VIRUDHUNAGAR HINDU NADARS' SENTHIKUMARA NADAR COLLEGE
(An Autonomous Institution Affiliated to Madurai Kamaraj University)
[Re-accredited with 'A' Grade by NAAC]
Virudhunagar – 626 001.

Course Name: **Bachelor of Arts**

Discipline: **Economics**

(**For those who joined in June 2022 and after**)

Semester	Part	Subject	Hours	Credit	Int+Ext =Tot	Local	Regional	National	Global	Professional Ethics	Gender	Human Values	Environment & Sustainability	Employability	Entrepreneurship	Skill Development	Subject Code	Revised/ New/ No Change/ Interchanged. (If revised % of change)
I	I	இக்கால இலக்கியம்	6	3	25+75=100		✔					✔					**U22PT11**	
	II	English - Paper I	6	3	25+75=100				✔	✓		✓					**U22PE11**	
	Core 1	Micro Economics - I	5	4	25+75=100				✔	✓							**U22ECC11**	19% Revised
	Core 2	Statistics - I	5	4	25+75=100				✔	✓							**U22ECC12**	83% Revised
	Allied 1	Agricultural Economics	6	5	25+75=100	✔	✔	✔	✔	✓							**U22ECA11**	36% Revised
	Part IV SLC	Value Education	-	3	25+75=100				✔			✓		✓			**U22VE11**	
				22														
II	I	அற இலக்கியமும் காப்பிய இலக்கியமும்	6	3	25+75=100		✔					✔					**U22PT21**	
	II	English - Paper II	6	3	25+75=100				✔	✓		✓					**U22PE21**	
	Core 3	Micro Economics - II	5	4	25+75=100				✔	✓							**U22ECC21/ U3ECC21**	No Change
	Core 4	Statistics - II	5	4	25+75=100				✔	✓							**U22ECC22**	100% Changed
	Allied 2	Money and Banking	6	5	25+75=100	✔	✔	✔	✔	✓							**U22ECA21**	Shifted from 3rd Sem
	Part IV SLC	Environmental Studies	-	2	25+75=100				✔			✓		✓			**U22ES21**	
				21														

Year	Part	Subject	Credit	Int=Total	Code
I & II	Part V	NSS/ NCC/ Physical Education – Sports/YRC/RRC	3	100=100	U2NS4/ U2NC4/ U2PS4/ U1YR4/ **U22RR4**

CORE PAPER 1

Course Title: MICRO ECONOMICS - I	Total Hours: 90
Course Code: U22ECC11	Total Credits: 4

Course outcomes

Upon successful completion of this course, students will be able to:

Cos	outcomes
CO 1	Understand the fundamentals of the subject economics and also microeconomics
CO 2	Get an introduction to supply and demand and the basic forces that determine equilibrium in a market economy
CO 3	Get introduced to the framework for learning about consumer behavior and analyzing consumer decisions
CO 4	will be able to obtain and interpret the concept of elasticity
CO 5	will able to analyze producer equilibrium

Unit I: Introduction to Economics: -   **18 Hours**

Definition of Economics: Wealth, Welfare, Scarcity and Growth – Methods of Economic Analysis: Micro and Macro analysis, Positive and Normative Analysis, Deductive and Inductive Analysis. – Static and Dynamic Analysis. Basic concepts (Meaning only): Free goods and Economic goods – Economic and non-economic activities – Wants – Utility – Price – Value – Wealth – Income – Market – Equilibrium: Stable, Unstable and Neutral equilibrium. Economy: Meaning – Sub-divisions: Production, Consumption, Exchange, Distribution and Public finance. Central Problems of an economy.

Unit II: Demand and Supply Analysis   **18 Hours**

Meaning of Demand – Types of Demand - Determinants of Demand - Demand Schedule - Demand Curve – Law of Demand - Reasons for the downward slope of the Demand Curve – Exceptions to Law of Demand – Contraction and Extension of Demand – Shifting of Demand. Meaning of Supply – Law of Supply- Contraction and Extension of Supply – Shifting of supply- Factors determining supply.

Unit III: Elasticity of Demand and Supply   **18 Hours**

Meaning – Types: Price, Income and Cross Elasticity of Demand – Degrees of price elasticity of demand– Factors Determining Elasticity of Demand -Measurement of Price Elasticity of Demand: Percentage, Total Outlay, Point and Arc Methods – Elasticity of Supply: Factors Determining Elasticity of Supply - Measurement of elasticity of supply: Pont method- Ratio method.

Unit IV: Consumer Behavior   **18 Hours**

Cardinal Utility: Meaning – Assumptions- Law of Diminishing Marginal Utility – Law of Equi-Marginal Utility – Consumer Surplus. Ordinal Utility: Meaning –Assumptions-

Indifference Curve: Meaning – Price, income and substitution effects - Marginal Rate of Substitution: Meaning and Properties - Consumer Equilibrium with the help of Indifference Curve Analysis.

Unit V: Production Analysis   18 Hours

Production: Meaning - Factors of Production and their characteristics – Production function: Short run and Long run -Law of Variable Proportions – Law of Returns to Scale.

Text Book:
1. Principles of Micro Economics, N Gregory Mankiw, https://www.cenage.com/economics/mankiw

Reference Books:
1. Ahuja H.L. Principles of Micro Economics, S.Chand and Company, New Delhi, 2015.
2. John Kennedy. M. Micro Economics, Himalaya Publishing House, Mumbai- 2016.
3.. Seth M. L., Principles of Economics, LaksmiNarayinAgarwal , Agra, 2013
4. Dewett, K.K, Modern Economic Theory, S.Chand and Company Ltd., New Delhi,2014.

e-Resources: -
https://www.economicsdiscussion.net/concepts-2/5-basic-concepts-of-economics/18127
https://www.vedantu.com/commerce/basic-concepts-of-economics
https://www.soas.ac.uk/cedep-demos/000_P542_EP_K3736-Demo/unit1/page_07.htm
https://www.yourarticlelibrary.com/essay/law-of-demand-essay/essay-on-demand-and-law-of-demand/75474
https://www.123helpme.com/essay/Law-Of-Demand-Essay-664445
https://www.economicsdiscussion.net/essays/demand-essays/essay-on-demand-top-8-essays-demand-microeconomics/26426
https://www.yourarticlelibrary.com/essay/price-elasticity-essay/essay-on-the-price-elasticity-of-demand/75515
https://www.econlib.org/library/Topics/College/elasticityofdemand.html
https://www.economicsdiscussion.net/essays/consumer-behaviour/essay-on-consumer-behaviour-top-8-essays-microeconomics/26399
https://www.khanacademy.org
https://www.economicscafe.com.sg

CORE PAPER 2

Course Title: STATISTICS -I	Total Hours:90 hours
Course Code: U22ECC12	Total Credits: 4

Course outcomes;
Upon successful completion of this course, students will be able to:

Cos	outcomes
CO 1	Define the meaning and importance of statistics in economic research.
CO 2	Describe the measures of Central tendency and measures of dispersion.
CO 3	analyse the correlation and Karl Pearson co-efficient correlation between two variables
CO 4	analyze regression methods and lines between X on Y and Yon X
CO 5	analyze time series data and various tests for research in economics.

UNIT I INTRODUCTION AND MEASURES OF CENTRAL TENDENCY   18 Hours

Statistics: Meaning, definition and uses; Measures of Central Tendency – requisites of good average: Mean – Weighted Mean – Median – Quartiles – Mode – Merits and Demerits of Mean, Median and Mode.

UNIT II MEASURES OF DISPERSION   18 Hours

Range – Co-efficient of Range; Quartile Deviation, Mean Deviation, Mean deviation from Mean, Mean Deviation from Median and their Co – efficient – Standard Deviation – Variance – Co-efficient Variance – Skewness – Kurtosis

UNIT III CORRELATION   18 Hours

Correlation: Meaning – Types; Positive and Negative, Strong and Weak, Simple, Partial and multiple and linear and non – linear correlations (Meaning Only). Scatter Diagram: Meaning – interpretation – Correlation measures: Karl's Pearson's co- efficient of correlation - Spearman's Rank Correlation and interpreting their Co-efficient.

UNIT IV REGRESSION   18 Hours

Regression: Meaning – methods – simple and multiple – linear and non – linear – Uses – limitations. Regression lines: Regression equations of X on Y and Yon X. Comparisons between Correlation analysis and Regression analysis.

UNIT V TIME SERIES AND INDEX NUMBERS   18 Hours

Time series: Meaning – Components of time series – Moving average – Uses. Index Number: Meaning – Uses – Trend Line. Problems in construction of Index Numbers-Construction of Index Numbers: Unweighted and weighted Index Number: Laspere's, Paasche's, Marshall,Fisher's and Bowley's – Tests of Adequacy of Index Number – Unit Test: Time Reversal Test – Factor Reversal Test – Cost of Living Index.

Text Book:
1. Gupta S.P.(2011) , Statistical methods, Sultan Chand & Sons, New Delhi.
2. R.S.N Pillai & Bagavathi (2016), Statistics Theory and Practice, S.Chand and Company PVT LTD.
References:
1. Gujarati D.N. & Porter D.C., Basic Econometrics, Boston, Mass: McGraw-Hill.
2. Gupta S.C.(2012), Fundamentals of Statistics, Himalaya, New Delhi.C
3. Chandan J.S.(2011), statistics for Business and Economics, Vikas Publishing House Pvt LTD.
4.P.K.Mohanty & S.K.Patel (2016), Basic Statistics, Scientific Publishers, New Delhi.
5. P.N.Arora and P.K Malhan (2016), Biostatistics, Himalaya Publishing House, New Delhi.
e- Rosoruces:
1. https://youtu.be/a2rd4Qy8yNI
2. https://youtu.be/h8EYEJ32oQ8
3. https://youtu.be/E4HAYd0QnRc
4. https://youtu.be/GAmzwIkGFgE
5. https://youtu.be/u4ugaNo6v1Q
6. https://youtu.be/ROpbdO-gRUo
7. https://youtu.be/f9tyljdHQaA

QUESTION BANK
1. Summarizes the characteristics of statistics.

2. Construct Mean, Median and Mode from the following data.

Class interval	0-20	20-40	40-60	60-80	80-100
Frequency	5	12	15	20	8

3. Compute Quartile Deviation and its Co-efficient from the data:

40	55	45	25	60	30	100

4. Find out the Standard deviation from the following data.

Class Interval	0-20	20-40	40-60	60-80	80-100
Frequency	8	16	24	32	20

5. State the types of Correlation.

6. Analyse the Properties of Correlation.

7. Find the Rank Correlation from the following data.

X	8	7	2	1	4	3	5	6	10	9
Y	6	5	3	4	10	9	8	7	2	1

8. Indicate the uses of Regression.

9. Differentiate between Regression and Correlation.

10. Compute Regression equation of X on Y and Y on X from the data.

X	40	60	66	75	80	90
Y	80	45	65	40	85	90

11. Describe the uses of Time Series.

12. Discuss the problems of constructions of Index numbers.

13. Construct the Least Square Method from the following data:

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008
Production	21	23	25	24	25	26	26	27	28

14. Calculate Fishers ideal Index number from the following data:

Column1	Column2		Column3	
Commodity	Current year		Base Year	
	Price	Quantity	Price	Quantity
A	10	50	5	100
B	5	60	10	50
C	20	40	15	60
D	15	30	10	30

ALLIED PAPER 1

Course Title: AGRICULTURAL ECONOMICS	Total Hours:90 hours
Course Code: U22ECA11	Total Credits: 5

Course outcomes:
Upon successful completion of this course, students will be able to:

Cos	Statement
CO 1	Understand agriculture as the foundation of economic growth and development
CO 2	Analyze the progress and changing nature of agricultural sector and its contribution to the economy as a whole.
CO 3	Analyze various measures taken in our country to promote the agricultural sector
CO 4	Identify the available marketing and financial assistance to the farmers in India.
CO 5	understand the recent happenings in agricultural acts.

Unit I: Introduction   **18 Hours**

Agricultural Economics: Meaning and Definition – Characteristics of Indian agriculture – Role of Agriculture in Economic Development of India – Interdependence between agriculture and industry-Declining importance of agriculture in India.

Unit II: Agricultural Farming and Productivity   **18 Hours**

Agricultural Farming: Types of farming: Large vs small scale farming – Collective farming – Co-operative farming. Agricultural productivity: Meaning – Causes and measures to improve agriculture in India. Green Revolution: Meaning – Components – Achievements and functions.

Unit III: Land Reforms and Land Holdings   **18 Hours**

Land Reform: Meaning – Zamindari, Mahalwari, Ryotwari systems – Measures taken to abolish of intermediaries: Tenancy Reforms - Ceiling on land holdings – Failures of land reforms in India- Bhoodan Movement- Sub-division and fragmentation of land

Unit IV: Agricultural Marketing and Finance   **18 Hours**

Agricultural Marketing: Meaning – Defects – Measures for improvement – Regulated market – Food Corporation of India. Agricultural Finance: Meaning – Need – NABARD, Primary cooperative Societies, Land Development Bank and Regional Rural Bank.

Unit V: Agricultural Price Policy   **18 Hours**

Agricultural Price Policy: Meaning – Objectives – Policy for the development of agriculture – Instrument of Agricultural Price Policy: Support Price, Procurement Price and Issue Price – Indian Agricultural Acts of 2020: Components – pros and cons.

Text Books
1. Tyagi.B.P "Agricultural Economics and Rural Development", Jai Prakashnanth & co, Meerut, 2015.

Reference Books

1. Misra and Puri, Indian Economy, Himalaya Publishing House, Mumbai 2017.
2. Sankaran.S."Indian Economy (Problems, Policies and Development)"Margham Pulications,Chennai, 2015.
3. Datt & Sundaram "Indian Economy" Chand &Company Private ltd, New Delhi,2014.
4. Rajalakshmi.N."Tamil Nadu Economics,"Allied Publishers, Mumbai,2011.

e-Resourses

1. www.agritech.tnau.ac.in
2. https://youtube/Uhjq-lm71qk
3. https://yoube/YGFCWpgyTk
4. https://youtube/ALMfgMRZXOo
5. https://en.wikipedia.org/wiki/2020_Indian_agriculture_acts
6. https://timesofindia.indiatimes.com/india/what-are-new-farm-laws-and-and-why-farmers-are- protesting/articleshow/79609234.cms
7. https://www.Khanacacemy.org
8. https://www.src.edu
9. https://www.nipfp.org

CORE PAPER 3

Course Title: MICRO ECONOMICS - II	Total Hours:90
Course Code: U22ECC21/ U3ECC21	Total Credits: 4

Course outcomes;
Upon successful completion of this course, students will be able to:

Cos	outcomes
CO 1	Students will be able to understand Different concepts of cost and revenue
CO 2	Students will be able to understand the perfect and monopoly market and the determination prices.
CO 3	Can understand two common market situation and the determination of price and output.
CO 4	To have better awareness regarding the determination of rent, Wage.
CO 5	Understand the basic concepts of interest and profit and their determination.

Unit I: Cost and Revenue Analysis   **18 Hours**
Cost Concepts: Total, Average and Marginal Cost - Fixed and Variable Cost Curves – AFC and AVC Curves – Short Run and Long Run Cost Curves – Relationship between Total cost, Average Cost and Marginal Cost. Revenue Concepts: Total, Average and Marginal Revenues and their relationship (some numerical examples)

Unit II: Perfect Competition and Monopoly   **18 Hours**
Perfect Competition: Meaning – Features – Price and Output Determination - Monopoly: Meaning – Features – Price and Output Determination- Price discrimination: Meaning and Types.
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Unit III: Monopolistic competition and Oligopoly   **18 Hours**
Monopolistic Competition: Meaning – Features - Price and Output Determination. Duopoly, Bilateral monopoly and Monopsony: Meaning . Oligopoly: Meaning - Features – Kinked Demand Curve – Cartel and price leadership (simple explanation only).

Unit IV: Rent and Wage   **18 Hours**

Marginal Productivity Theory of Distribution Rent: Meaning - Ricardian Theory of Rent-Quasi rent. Wage: Meaning – Money wage and Real wage – Factors determining real wage - Subsistence theory - Wage fund theory

Unit V: Interest and Profit   **18 Hours**

Interest: Meaning – Gross and Net interest –Classical theory – Loanable Fund theory - Liquidity Preference Theory. Profit: Meaning – Gross and Net profit –Dynamic theory – Innovation theory - Risk theory - Uncertainty Theory.

Text Book:
1. Principles of Micro Economics, N Gregory Mankiw, https://www.cenage.com/economics/mankiw

Reference Books:
1. Ahuja H.L. Principles of Micro Economics, S.Chand and Company, New Delhi, 2015.
2**.** John Kennedy. M. Micro Economics, Himalaya Publishing House, Mumbai- 2016.
3.. Seth M. L., Principles of Economics, LaksmiNarayinAgarwal , Agra, 2013
4. Dewett, K.K, Modern Economic Theory, S.Chand and Company Ltd., New Delhi,2014.

e-Resources: -

https://nios.ac.in/media/documents/SrSec318NEW/318_Economics_Eng/318_Economics_Eng_Lesson17.pdf

https://www.economicsdiscussion.net/production-function/production-function-meaning-definitions-and-features/6892

https://www.yourarticlelibrary.com/economics/production-cost-different-types-of-costs-of-production/32823

https://www.cliffsnotes.com/study-guides/economics/theory-of-the-firm/production-costs-and-firm-profits

https://www.yourarticlelibrary.com/economics/revenue-the-meaning-and-concept-of-revenue-micro-economics/9089

https://www.geektonight.com/what-is-revenue/

https://courses.lumenlearning.com/wm-microeconomics/chapter/perfect-competition/

https://www.economicsdiscussion.net/perfect-competition/study-notes-on-perfect-competition-meaning-and-its-features/16964

https://www.economicshelp.org/blog/311/markets/monopolistic-competition/

https://www.economicsdiscussion.net/monopolistic-competition/7-main-features-of-monopolistic-competition/7297

https://www.economicsdiscussion.net/oligopoly/price-leadership-under-oligopoly-with-diagram/3778

https://www.economicshelp.org/blog/glossary/kinked-demand-curve/

https://www.tutor2u.net/economics/reference/oligopoly-the-kinked-demand-curve

https://www.microeconomicsnotes.com/economic-theories/factor-pricing/theory-of-factor-pricing-meaning-and-need-microeconomics/14851

https://www.studocu.com/row/document/tribhuvan-vishwavidalaya/business-economics/theory-of-factor-pricing/5013574

https://www.khanacademy.org

https://www.economicscafe.com.sg

CORE PAPER 4

Course Title: STATISTICS - II	Total Hours:90 hours
Course Code: U22ECC22	Total Credits: 4

Course outcomes;
Upon successful completion of this course, students will be able to:

Cos	outcomes
CO 1	Identify and recall the statistical methods and tools used for advanced economic research
CO 2	interpret and summarize probabilities and variables used in economic research in various ways.
CO 3	analyze and illustrate the hypothesis testing and its significance level for effective research.
CO 4	assess and test the Chi – Square and Anova
CO 5	define and describe and analyze the basic concepts of econometrics

UNIT I PROBABILITY   **18 Hours**
Basic terminologies – Experiment – Outcome – Trail – Favourable Event – Exhaustive Event – Exclusive Event – Equally likely events – Independent Events – Basic Problems – Addition, Multiplication and Bayesian Theorems

UNIT II: - RANDOM VARIABLES AND THEORETICAL DISTRIBUTIONS
                                                                 18 Hours
Random Variable : Meaning , distribution function, mathematical expectation (definition and basic concepts only) Binominal Distribution – Poisson distribution (Definitions and basic concepts only) – Normal Distribution: Definition – characteristics of Normal Distribution.

UNIT III: - HYPOTHESIS TESTING AND TESTS OF SIGNIFICANCE   **18 Hours**
Hypothesis: Meaning – definition – types of hypothesis, Hypothesis Testing: Procedure for hypothesis testing, one tailed and two tailed test of hypothesis, error in hypothesis testing – Z test: Definition, meaning and uses (simple problems only); Students t – test: definition, meaning and uses, t – test for single mean.

UNIT IV: - CHI–SQUARE TEST AND ANALYSIS OF VARIANCE   **18 Hours**
Chi – square test: meaning and definition , Chi – Square varaite – uses of Chi distribution – χ^2 test for association of attributes (simple Problems only). Analysis of Variance (ANOVA): Meaning – uses of ANOVA, Comparison of two means.

UNIT V: - INTRODUCTION TO ECONOMETRICS   **18 Hours**
Econometrics: Meaning – Definition – Scope and Limitation of Econometrics – Difference between Mathematical Economics and Econometrics – Role of Econometricsin Economic analysis – Econometric methodology – specification of Simple Linear Regression Model(SLRM) in stochastic form – Rationale for the inclusion U-OLS – Assumptions – OLS Estimators – R^2 – Interpretation of regression Co-efficient

TEXT BOOKS:
1. Gupta S.P. (2011), Statistical Methods, Sultan Chand and sons, New Delhi

2. Gujarati D.N. & Porter D.C (2009), Basic Econometrics, Boston, Mass: McGraw-Hill

REFERENCES:

1. Gupta S.C.(2012), Fundamentals of Statistics, Himalaya, New Delhi.C
2. Chandan J.S.(2011), statistics for Business and Economics, Vikas Publishing House Pvt LTD.
3.P.K.Mohanty & S.K.Patel (2016), Basic Statistics, Scientific Publishers, New Delhi.
4. R.S.N Pillai & Bagavathi (2016), Statistics Theory and Practice, S.Chand and Company PVT LTD.
5. P.N.Arora and P.K Malhan (2016), Biostatistics, Himalaya Publishing House, New Delhi.

e-resources:

1. https://youtu.be/uzkc-qNVoOk
2. https://youtu.be/3v9w79NhsfI
3. https://youtu.be/cqK3uRoPtk0
4. https://youtu.be/-FtlH4svqx4
5. https://youtu.be/KS6KEWaoOOE
6. https://youtu.be/jABsbNBPXIk
7. https://youtu.be/dXB3cUGnaxQ
8. https://youtu.be/vEP4RIOKuE4

ALLIED PAPER 2

Course Title: MONEY AND BANKING	Total Hours:90 hours
Course Code: U22ECA21	Total Credits: 5

Course outcomes;

Upon successful completion of this course, students will be able to:

CO1	know the evolution of money
CO2	Understand the concept of monetary system
CO3	Have the knowledge on various theories related to the supply of money.
CO4	Understand functions of central bank and commercial banks.
CO5	Have knowledge over the functioning of money market and capital market in India.

Unit I: Introduction to Money

Barter System; Meaning and Difficulties - Money; Meaning and Definition - Evolution – Characteristics of Money – Kinds – Functions- Importance and defects of money.

Unit II: Monetary Standard: -

Meaning – Forms – Gresham's Law – Qualities of a good monetary standard - Principles of Note Issue – Systems of Note Issue – Merits and demerits of Paper currency.

Unit III: Monetary Theories: -

 Meaning of value of money - Fisher's Quantity Theory of Money: The Cash transaction approach -The Cambridge Equations: The Cash Balance Approach - Superiority of Cash Balance Approach over Transaction Approach.

Unit IV: Banking:

Banking: -Meaning and Definition – Features - Evolution - Structure of Banks: Types - Credit creation process – Functions of Commercial Banks- Functions of Central bank – Credit Control methods – Monetary Policy of Reserve Bank of India- Recent Trends in Banking.

Unit V: Financial Market:

Money Market: Meaning – Functions – Institutions – Instruments – Indian Money Market. Capital Market; Meaning – Importance – Functions – Components of Indian Capital Market – Progress of Indian Capital Market.

Text Book:

1. Mithani D M, Money, Banking, International Trade and Public Finance, Himalaya Publishing House, Mumbai, 2016.

Reference Books:

1. Gorden Natarajan, Banking Theory, Law and Practice, Himalaya Publishing House, Mumbai, 2017. 2.Paul R.R Monetary Economics , Kalyani Publishers, Ludhiana, 2015.
Eresources;
1. https://www.collegetutor.net
2. https://www.economicsdiscussion.net

Course Name : Bachelor of Arts
Discipline: Economics
CHOICE BASED CREDIT SYSTEM
(For those who join in June 2018 and after)

Course Scheme

Semester	Part	Subject	Hour	Credit	Int+Ext = Total	Local	Regional	National	Global	Professional Ethics	Gender	Human Values	Environment & Sustainability	Employability	Entrepreneurship	Skill Development	Subject Code	Revised / New / No Change / Interchanged & Percentage of
III	Part I	Tamil/Hindi	6	3	25+75=100		✔					✔					U3PT3/ U1PH3	Revised / 60%
	Part II	English	6	3	25+75=100				✔	✓		✔					U3PE3	Revised / 90%
	Core 5	Macro Economics I	5	4	25+75=100				✔	✓							U3ECC31	Revised / 13%
	Core 6	Mathematical Methods I	5	4	25+75=100			✔		✓							U1ECC32	No Change
	Allied 3	Money and Banking	6	5	25+75=100			✔		✓							U3ECA3	Revised / 80%
	SBE-1	Entrepreneurial Development	2	2	25+75=100		✔	✔		✓	✓				✔		U3ECS3	Revised / 20%
IV	Part I	Tamil/Hindi	6	3	25+75=100		✔					✔					U2PT4/ U1PH4	Revised / 60%
	Part II	English	6	3	25+75=100				✔	✓		✔					U3PE4	Revised / 65%
	Core 7	Macro Economics II	4	4	25+75=100				✔	✓							U3ECC41	Revised / 16%
	Core 8	Mathematical Methods II	4	4	25+75=100			✔		✓							U2ECC42	Revised /
	Allied 4	Economic System	6	5	25+75=100			✔		✓							U3ECA4	New / 100%
	SBE-2	Travel and Tourism	2	2	25+75=100			✔	✔	✓						✔	U3ECS41	Revised / 38%
	SBE-3	Elements of Advertising	2	2	25+75=100			✔		✓						✔	U3ECS42	Revised / 65%

III SEMESTER
CORE PAPER – 5 - MACRO ECONOMICS - I

Contact Hours Per Week: 05   Subject Code: U3ECC31

Contact Hours per Semester: 75   Credits: 4

Objectives:

To enable the students to

   i.   understand the basic macroeconomic concepts and theories.
   ii. understand about important macro economic variables namely National Income, Employment, Inflation and Trade Cycle
   iii. understand about how the inflation affects various group of people
   iv. know about economic conditions during the period of ups and downs of business cycle.

UNIT I: - Introduction

   Macro Economics: Meaning and Definition – Difference between Micro and Macro Economics –Scope, Importance and Limitations of Macro Economics - Circular flow of economic activities.

UNIT II: - National Income

   National Income: Meaning – Concepts of National Income: GNP, NNP, GDP, PI, DPI, Per capita income - Methods of calculating National Income - Difficulties in the Computation of National Income – Green Accounting- Importance of National Income estimation.

Unit III: - Theories of Employment

   Meaning: Full Employment, unemployment and underemployment - Types of unemployment – Classical Theory of Employment: J B Say's Law of Market and Pigou's Wage cut Theory - Keynesian Theory of Employment: The Principle of Effective Demand – Determinants of Effective Demand: Aggregate Demand Function - Aggregate Supply Function- Comparison of Classical and Keynesian Theories of Employment.

Unit IV: - Inflation and Deflation

   Inflation: Meaning- Types- Headline and Core inflation- Causes and Effects - Inflationary Gap – Phillip's curve - Measures to control inflation – Deflation and Stagflation: Meaning.

UNIT V: - Trade Cycle

   Trade Cycle: Meaning, Features – Phases and Effects - Theories of Trade Cycle: Schumpeter, Keynesian and Hawtrey's - Measures to control trade cycle.

Text Books:

1. Jhingan M .L (**2017**) Macro Economic Theory, Vrinda Publications, New Delhi. **Reference Books:**

1. R D Gupta, (2015), Keynesian Economics, S.Narain & Co, Delhi.

2. Rana, K.C. and Verma K.N., (2012), Macro Economic Analysis, Vishal Publishing Company, NewDelhi

3. H L Ahuja, (2017) Macro Economic Theory and Policy, S. Chand & Company Ltd., New Delhi.

CORE PAPER – 6 - MATHEMATICAL METHODS – I

Contact Hours Per Week: 05   Subject Code: U1ECC32
Contact Hours per Semester: 75   Credits: 4

Objectives:
To enable the students to;
i. understand the fundamentals of elementary mathematical tools
ii. prepare for appearing various competitive examinations
iii. apply them in higher studies.

Unit I : Introduction
        Nature and Scope of Mathematical Economics – Role of Mathematics in Economic Theory – Mathematical Economics Vs Descriptive Economics – Mathematical Economics Vs Econometrics.

Unit II: Elementary Algebra
        Basic Rules of Arithmetic Operations – The Real Number System – Constant – Variable – Functions: Linear, Quadratic, Exponential and Logarithmic and their Graphical Representation.

Unit III: Equations
        Solving of Equations: Linear and Quadratic Equations in one Variable – Simultaneous Equations with Two and Three Variables.

Unit IV: Logarithm, Permutations and Combinations
        Logarithm: Definition – Formula (Product, Quotient, Exponent) – Calculations using tables. Permutations and Combination: Factorial Notation – Fundamental Principles.

Unit V: Set Theory
        Definition of a Set – Types – Equality of Set – Universal Set – Operation of Sets – Union and Intersection of Sets – Difference of Sets – Complement of a Set – De-Morgan Law – Venn Diagram.

Text Book:
1. Bose D **(2012)** "An Introduction to Mathematical Methods; Himalaya Publishing House, Mumbai

Reference Books:
1. Allen R.G.D, **(1986),** Mathematical Analysis for Economists, Macmillan, London.
2. Mehta, B.C. and Madnani, G.M.K, **(2003)** „Mathematics for Economists", Sultan Chand
& Sons, New Delhi.
3. Bose D **(2012)** "An Introduction to Mathematical Methods; Himalaya Publishing House, Mumbai
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ALLIED PAPER – 3 – MONEY AND BANKING

Contact Hours Per Week: 06   Subject Code: U3ECA3
Contact Hours per Semester: 90   Credits: 5

Objectives:
To enable the students to:
   i.   know the evolution of monetary system
   ii. know the concept of supply of and demand for money
   iii. Understand functions of central bank and commercial banks.
   iv. Have knowledge over the functioning of money market and capital market in India.

Unit I: Introduction to Money
        Barter System; Meaning and Difficulties - Money; Meaning and Definition - Evolution – Characteristics of Money – Kinds – Functions- Importance and defects of money.

Unit II: Monetary Standard
        Meaning – Forms – Gresham's Law – Qualities of a good monetary standard - Principles of Note Issue – Systems of Note Issue – Merits and demerits of Paper currency.

Unit III: Monetary Theories
        Meaning of value of money - Fisher's Quantity Theory of Money: The Cash transaction approach -The Cambridge Equations: The Cash Balance Approach - Superiority of Cash Balance Approach over Transaction Approach.

Unit IV: Banking
        Banking: Meaning and Definition – Features - Evolution - Structure of Banks: Types - Credit creation process – Functions of Commercial Banks- Functions of Central bank – Credit Control methods – Monetary Policy of Reserve Bank of India- Recent Trends in Banking.

Unit V: Financial Market
        Money Market; Meaning – Functions – Institutions – Instruments – Indian Money Market. Capital Market; Meaning – Importance – Functions – Components of Indian Capital Market –Progress of Indian Capital Market.

Text Book:
 1. Mithani D M, Money, Banking, International Trade and Public Finance, Himalaya Publishing House, Mumbai, 2016.

Reference Books:
1. Gorden Natarajan, Banking Theory, Law and Practice, Himalaya Publishing House, Mumbai, 2017.
 2.Paul R.R Monetary Economics , Kalyani Publishers, Ludhiana, 2015.
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SBE – 1 ENTREPRENEURIAL DEVELOPMENT

Contact Hours per Week: 02   Subject Code: U3ECS3
Contact Hours per Semester: 30   Credits: 2

Objectives:
To enable the students to:
   i.   Understand various basis of entrepreneurship
   ii. know about the role of government to support women entrepreneurs
   iii. understand the problems of rural enterepreneurs
   iv. Have knowledge over the project appraisal and various entrepreneurship development programmes.
   v.   Get practical exposure to improve their entrepreneurial skill.

Unit I: Entrepreneur

Concept of Entrepreneur – Characteristics – Functions – Need – Types – Role of Entrepreneurs in Economic Development.

Unit II: Women Entrepreneurship

Meaning – Functions – Problems – Growth of Women Entrepreneur – Government Support to Women Entrepreneur.

Unit III: Rural Entrepreneurship

Meaning - Need – Problems – Development of Rural Entrepreneurship – NGO and Rural Entrepreneurship.

Unit IV: Entrepreneurship Motivation and Project Appraisal

Meaning – Motivational Cycle – Concept of Project Appraisal – Methods of Project Appraisal

Unit V: Entrepreneurship Development Programmes

EDPs; Need – Objectives – KVIC – TIIC - NAYE – DIC- MUDRA

For Practical Exposure
- Submission of Assignment after visiting Micro Industries run by Women.
- One day field visit.
- Training Programme on Entrepreneurial Skill by Trainers.
- Writing Project Proposal for own Business Idea.

Text Books:

1. Khanka, Entrepreurial Development, 2013

Reference Books:

1. Gupta C.B., & Srinivasan N.P (2010), Entrepreneurial Development", Sultan Chand & Sons, New Delhi.

2. Rengarajan. L, (2008), "Entrepreneurial Development", Sree Renga Publications, Rajapalayam, Tamilnadu.

3. Gordon, E and Natarajan ,K (2011), Entrepreneurship Development, Himalaya Publication, Mumbai.

4. Jayshree Suresh (2011) "Entrepreneurial Development" Margham publication, Chennai.
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IV SEMESTER
CORE PAPER – 7 - MACROECONOMICS II

Contact Hours Per Week: 04   Subject Code: U3ECC41

Contact Hours per Semester: 60   Credits: 4

Objectives:

To enable the students to
   i. understand how the consumption attitudes of people influenced by various factors at macro level
   ii. know about the determinants of investment in a country
   iii. understand the cyclical relationship among investment, income, consumption through multiplier and accelerator principle
   iv. know about various theories explaining how the national income should be distributed among the owners of factors of production.

UNIT I: Consumption Function

Meaning – Keynesian Psychological Law of Consumption – APC, MPC, APS and MPS – Determinants of Propensity to Consume: External factors and internal factors – Importance and Limitations of Consumption Function. Theories of Consumption Function; Absolute Income Theory – Relative Income Theory

UNIT II: Investment Function

Meaning – Kinds of Investment –Determinants of Investment - Relationship between Interest and Investment and Marginal Efficiency of Capital and Investment - Factors determining MEC – Criticism of MEC

UNIT III: Multiplier

Meaning – Types of Multiplier - Investment Multiplier: Mechanism – Working – Leakages – Importance – Limitations.

UNIT IV: Accelerator

Meaning – Principles– Importance - Criticisms – Super-Multiplier – Difference between Multiplier and Accelerator.

UNIT V: Macro Theories of Distribution

Ricardian, Marxian, Kaldor's and Modern Theory of Distribution

Text Books:

1. Jhingan M .L (**2017**) Macro Economic Theory, Vrinda Publications, New Delhi.

Reference Books:

1. R D Gupta, (2015), Keynesian Economics, S.Narain & Co, Delhi.

2. Rana, K.C. and Verma K.N., (2012), Macro Economic Analysis, Vishal Publishing Company, NewDelhi

3. H L Ahuja, (2017) Macro Economic Theory and Policy, S. Chand & Company Ltd., New Delhi.

4. K K Dewett, (2009), Modern Economic Theory, S.Chand & Company Ltd., New Delhi

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CORE PAPER – 8 - MATHEMATICAL METHODS – II

Contact Hours Per Week: 04   Subject Code: U2ECC42

Contact Hours per Semester: 60   Credits: 4

Objectives:

To enable the students to

i.   understand the fundamentals of elementary mathematical tools.

ii. prepare for appearing various competitive examinations

iii. apply them in higher studies.

Unit I: Matrices

Matrices: Meaning – Types – Operation of Matrices: Addition, Subtraction and Multiplication – Transpose of a Matrix – Determinants – Rank of a Matrix – Minor – Cofactor-Adjoint to the Matrix – Inverse of a square matrix – Solving a System of Linear Equations – Matrix Inversion Technique.

Unit II: Differential Calculus

Meaning and Definition – Rules of Differentiation – Partial Differentiation: Direct and Cross – Total Differentiation – Applications in Economics and Business.

Unit III: Theory of Consumer Behaviour

Cardinal Utility Approach – Ordinal Utility Approach – Maximization of Utility – Demand Function – Elasticity of Demand (Simple Problems) - Applications in Economics and Business.

Unit IV: Theory of Firm's Behaviour

Cost Functions and Curves of a Firm – Revenue Functions and Curves – Equilibrium of a Firm– Maximization of Profit - Applications in Economics and Business.

Unit V: Integral Calculus

Meaning – Basic Rules of Integration – Definite Integration – Area between two Curves – Cost Function – Revenue Function – Consumer's Surplus – Producer's Surplus.

Text Book:

1. Bose D (**2016**) "An Introduction to Mathematical Methods; Himalaya Publishing House, Mumbai

Reference Books:

1. Allen R.G.D, (1986), Mathematical Analysis for Economists, Macmillan, London.
2. Mehta, B.C. and Madnani, G.M.K, (2003) „Mathematics for Economist", Sultan Chand & Sons, New Delhi.
3. Chiang A.C (1986), Fundamental Methods of Mathematical Economics, Mc. Graw, Hill London.

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APPLIED PAPER – 4 - ECONOMIC SYSTEMS

Contact Hours per Week: 06   Subject Code: U3ECA4

Contact Hours per Semester: 90   Credits: 5

Objectives:

To enable the students to;

    i. have basic knowledge over Economics Systems
    ii. know about the emergence of capitalism
    iii. know about the evolution of socialism, Marxism and Mixed Economy
    iv. acquire the knowledge over the Economic Systems followed in India.

Unit I: - Introduction

Economic System: Meaning – Definitions – Features – functions – Types of Economic System – Marxian classification of economic system- Importance of the study of Economic System- Problems of studying economic system.

Unit II: - Capitalism

Feudalism – Features of Feudalism – Break down of Feudalism. Capitalism: Meaning – Stages of Capitalism – Merits and Demerits of Capitalism – Transformation of Capitalism.

Unit III: - Socialism

Socialism: Meaning – Characteristics – Advantage and Shortcomings of Socialism – Evolution of Socialism – Break down of Socialism in Russia – Market socialism in China.

Unit IV: - Marxism

Marxian Economics – Importance – Materialistic Interpretation of History – Theory of Surplus Value – Labour Theory of Value – Disintegration of Capitalism – Convergence of Economic System.

Unit V: - Indian Economic System

Mixed Economy: Definition – Features – Merits and Demerits of Mixed Economy-Public and Private Sectors in India : Importance and problems – Economic reforms – Stabilizations and Structural adjustment programs – Achievements and failures of economic reforms in India.

Text Book:

1. K K Sen, (2016) Comparative Economic System, Sultan Chand and Sons, New Delhi.

Reference Books:

1. Indian Economy – Misra and Puri Himalaya Publishing House, Mumbai 2018.
2. Grossman, (2016), Economic System, Prentice –Hall of India Private Limited, New Delhi.

Pillai, (1985) Economic System, Himalaya Publishing House, New Delhi

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SBE – 2 – TRAVEL AND TOURISM

Contact Hours Per Week: 02   Subject Code: U3ECS41
Contact Hours per Semester: 30   Credits: 2

Objectives:

To enable the students to;

   i. have a knowledge over the role of tourism in a country's development
   ii. know about regulations to be followed to arrange for tour
   iii. get idea about the functioning of tour operators
   iv. study about the social and cultural impact of tourism

Unit I: Tourism: An Introduction

Tourism: Meaning –Features- Forms of tourism - Geographical components of Tourism-Significance - Role of Tourism in the Economic Development of a Country.

Unit II: Travel Formalities and Regulations

Passport- Visa- Health Regulations for International Travel – Special Permits for restricted areas – Customs Regulations- Travel insurance.

Unit III: Travel Agent and Tour Operators

Travel Agencies: Types – functions– Sources of income – Tour Operators: Types of Package Tours- Guides and Escorts.

Unit IV Tourism Infrastructure

Different forms of Accommodation – Hotels: Types and Classification of hotels by physical characteristics and price level – Hotel chain – Paying Guest accommodation – Heritage Hotels.

Unit V Impact of Tourism

Economic Impact – Social and cultural impact – Tourism and pollution – Eco-tourism-Major Tourism Centers in Tamilnadu.

For Practical Exposure

A visit to a place of tourist attraction.

Text Books:

1. Sunetra Roday,(2016) Tou

Reference Books:

1. A.K. Bhatia (2015) "Tourism Development: Principles and Practices, Sterling Publishers Private Limited, New Delhi.

2. J.K. Sharma, (2014) „Tourism Planning and Development: A New Perspective", Kanishka Publishers, New Delhi.

3. Ricard Sharpley and David J. Telfer (2014) 'Tourism and Development: Concepts and Issues,"Viva Books Private Ltd., New Delhi.

4. P.N.Seth and S.S. Bhat, (2006) „An Introduction to Travel and Tourism" Sterling Publishers Pvt., Ltd., New Delhi.

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SBE – 3 – ELEMENTS OF ADVERTISING

Contact Hours Per Week: 02   Subject Code: U3ECS42

Contact Hours per Semester: 30   Credits: 2

Objectives:

To enable the students to;

    i.   understand the importance of advertising in marketing

    ii. Know about various advertising media and their features

    iii. Get the idea about various types of advertising agencies and their functions

    iv. Know about advantages and disadvantages of on-line advertising.

Unit I: Advertising

       Advertising: Meaning - objectives – Nature –Types - Role.

Unit II: Advertising Media

       Meaning – Types – Features - Factors governing the Choice of Media

Unit III: Advertising Appeals

       Meaning – Features – Types – Essentials of an Advertising Appeal

Unit IV: Advertising Agency

       Advertising Agency: Meaning – Functions – Types – Advantages – Media selection – Advertising Budget.

Unit: V Online Advertising

       Meaning – Types: Meaning, Advantages and Disadvantages.

For Practical Exposure

- Assignment on the importance of media in determining a purchase.
- Group discussion on Advertising.
- Role play in Advertising products.
- Training the students on writing advertisement copy in an appealing manner.

Text Books:

1. C.B. Gupta, (2011) Advertising & Personal Selling, Sultan Chand & Sons Educational Publishers, New Delhi.

Reference Books:

1. B.S Rathor, (1997), "Advertising Management", Himalaya Publishing House, Mumbai

2. Mahendra Mohan (1998) "Advertising Management"; Tata McGrawhill Publishing Company Limited, New Delhi.

3. Chunawalla (2001), Advertising Theory and Practice, Himalaya Publishing House, Mumbai.

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Course Name : Bachelor of Arts
Discipline: Economics
CHOICE BASED CREDIT SYSTEM
(For those who join in June 2018 and after)
Course Scheme

Semester	Part	Subject	Hour	Credit	Int+Ext= Total	Local	Regional	National	Global	Professional Ethics	Gender	Human Values	Environment & Sustainability	Employability	Entrepreneurship	Skill Development	Subject Code	Revised / New / No Change / Interchanged & Percentage of revision
V	Core 9	History of Economic Thought	5	5	25+75=100				✔	✓							U3ECC51	New
	Core 10	International Economics	5	5	25+75=100			✔	✔	✓							U3ECC52	Revised / 25%
	Core 11	Fiscal Economics	5	4	25+75=100			✔		✓							U3ECC53	Revised / 10%
	Core 12	Indian Economy	5	4	25+75=100			✔		✓							U3ECC54	Revised / 13%
	Elective 1	Research Methodology	6	5	25+75=100			✔		✓						✓	U2ECE51	No Change
	SBE- 4	Employability Skills	2	2	25+75=100			✔		✓				✓			U1PS51	No Change
	NME-1	Elementary Economics	2	2	25+75=100			✔		✓							U2ECN51	No Change
VI	Core 13	Planning and Growth	6	5	25+75=100			✔		✓							U3ECC61	Revised / 30%
	Core 14	Computer Science	6	5	25+75=100			✔		✓						✓	U3ECC62	Revised / 15%
	Elective 2	Labour Economics	6	5	25+75=100				✔	✓							U2ECE61	No Change
	Elective 3	**Project**	6	5	100+0=100			✔		✓						✓	U1EC6PR	New
	SBE-5	Soft Skills for Career Development	2	2	25+75=100			✔		✓	✓	✓	✓			✓	U3ECS61	Revised / 83%
	SBE-6	Business Correspondence	2	2	25+75=100	✔		✔		✓						✓	U3ECS62	Revised / 70%
	NME-2	**Dimensions of Indian Economy**	**2**	**2**	25+75=100	✔		✔		✓							U3ECN61	New

Self-Learning Course:

Subject	Credit	Ext =Tot	Subject Code
Economic Development of India	5	100 = 100	U1ECSL51

CORE PAPER – 9
History of Economic Thought

Contact Hours per Week: 05   Subject Code: U3ECC51
Contact Hours per Semester: 75   Credits: 5
Course Outcome:

CO1:	Able to understand emergence of economic thoughts in the world.
CO2:	Ideology of various economic thinkers in chronological order, in brief.
CO3:	Various concepts promulgated by Father of Economics – Adam Smith and his followers.
CO4:	Contributions of J M Keynes to economics and few of his ideas.
CO5:	Thoughts of few Indian Economic Thinkers.

Unit I: Introduction
        Meaning and Definition of Economic Thought - Significance of Economic Thought - Contributions of Early Thinkers: Hebrew – Greek Economic Thought: Plato – Aristotle.
Unit II: Mercantilism and Physiocracy
        Factors responsible for emergence of Mercantilism – Main Idea of Mercantilism –– Decline of mercantilism.
        Factors responsible for the emergence of Physiocracy– Main Idea of Physiocracy – Criticisms of Physiocracy.
Unit: III Classical Thought
Adam Smith – Value, Division of Labour, Canons of Taxation, Free Trade, Laissez-faire policy. T.R.Malthus: Theory of Population - Rent and Value. David Ricardo: Value theory - Rent theory. J S Mill: Law of Self-Interest, Free Competition, Population, International Trade and Wage.

Unit IV: Keynesian Thought: -
Background of Keynesian Economics – Contributions of Keynes: Theory of Employment – Rate of Interest – Role of Government – Keynes vs Classicals.
Unit-V Indian Economic Thinkers
Main Idea of: R.C.Dutt, Gopalakrishnan Gokhale, Mahathma Gandhi, Ambedkar, Nehru and Amartya Sen.
Text Book:
   1. Lokanathan V A, History of Economic Thought, S Chand and Company Ltd, New Delhi, 2016.
Reference Books:
   1. Hajela T N, History of Economic Thought, ANE Books Pvt, Let., New Delhi, 2017
   2. Paul R R, History of Economic Thought, Kalyanai Publshers, Pubjab, 2007.
   3. Sankaran S, History of Economic Thought, Margham Publication, Chennai, 2016.
   4. Girija M, Manimekalai A, Sasikala L, History of Economic Tought, Vrinda Publications (P) Ltd, Delhi, 2016.

CORE PAPER – 10
INTERNATIONAL ECONOMICS

Contact Hours per Week: 05   Subject Code: U3ECC52
Contact Hours per Semester: 75   Credits: 5
Course Outcome:

CO1:	Various fundamental theories of international trade and how the international trade benefiting the trading countries.
CO2:	Factors determining the gains from international trade.
CO3:	State trading, free trade, protection, various types of tariff, quota and dumping.
CO4:	Components of Balance of Payment and measures to correct the disequilibrium in BoP.
CO5:	Functioning of various international organizations in regulating the international trade.

Unit I: Introduction (15 Hours)
International Trade: Meaning – Similarities and Dissimilarities between inter-regional and international trade – Production Possibility Curve, Offer Curve, Community Indifference Curve, Trade Indifference Curve (meaning and simple explanation with diagram)
Absolute Cost Theory of Adam Smith – Comparative Cost Theory of Ricardo.
Unit II : Trade Policy (15 Hours)
State Trading: Objectives - Merits and demerits. Free trade and Protection: Meaning - Advantages and disadvantages Tariff: Meaning – Types – Effects. Quota: Meaning – Objectives –Types with Merits and demerits. Dumping: Meaning – Objectives – Types.
Unit III : Balance of Payments (15 Hours)
Balance of Trade: Meaning - Balance of Payments: Meaning – Favorable and unfavorable Balance of Payments – Components of Balance of Payments – Disequilibrium in Balance of Payments: Meaning – Causes – Measures to correct the disequilibrium.
Unit IV: Foreign Exchange (15 Hours)
Foreign Exchange: Meaning – Determination of Equilibrium Exchange Rate–Causes of change in Exchange Rate - Fixed and Flexible Exchange Rate: Meaning - Case for and Case Against - Foreign Exchange Market: Meaning and structure – Spot and Forward Exchange Markets – Hedging, Speculation and Arbitrage
Unit V: International Organizations (15 Hours)
Objectives and Functions of IBRD (World Bank), IMF, WTO, NIEO, IFC and ADB.
Text Book:
1. Jhingan, M.L.,(2014) "International Economics", Vrinda Publications, (P) Ltd., Delhi, Sixth Edition.

Reference Books:
1. Mannur H.G.,(2012) "International Economics", Vikas Publishing House Pvt., Ltd., New Delhi.
2.Francis Cherunilam (2008) "International Economics", Tata McGraw Hill Publishing Company Pvt., Ltd., New Delhi.

CORE PAPER- 11
FISCAL ECONOMICS

Contact Hours Per Week: 05   Subject Code: U3ECC53
Contact Hours per Semester:75   Credits:4
Course Outcome:

CO1:	Understand that how is public authorities should behave to get maximum social benefit through fiscal activities.
CO2:	Know various principles and effects of public expenditure.
CO3:	Get knowledge over various types of tax and the effect of shifting of tax.
CO4:	Know about various objectives of public debt and methods of redemption.
CO5:	Can understand about the functioning of federal financing system

Unit I: Introduction (15 Hours)

Meaning and Scope of Public Finance – Functions of a Modern State – Objectives of Fiscal Operations – Comparison of Public and Private Finance – The Principle of Maximum Social Advantage: Views of Dalton and Musgrave.

Unit II: Public Expenditure (15 Hours)

Public Expenditure: Meaning – Comparison of Public and Private Expenditure – Reasons for the Growth of Public Expenditure - Canons of Public Expenditure – Classification of Public Expenditure – Effects of Public Expenditure. Theories: Adolph Wagner's hypothesis and Wiseman peacock hypothesis.

Unit III: Public Revenue (15 Hours)

Public Revenue: Sources of Public Revenue – Classifications of Public Revenue –Canons of Taxation– Direct and Indirect Taxes: Meaning – Merits and Demerits – Tax Structure: Proportional, Progressive, Regressive and Degressive Taxation – Impact, Shifting and Incidence of Taxation: Meaning and differentiate Impact and Incidence – GST: Meaning and Features.

Unit IV: Public Debt (15 Hours)

Public Debt: Meaning — Comparison of Public and Private Debt – Objectives of Public Debt – Classification – Causes - Effects– Redemption of Public Debt.

Unit V: Federal Finance (15 Hours)

Meaning - Principles – Problems – Finance Commission: Functions – Recommendations of 14th and 15th Finance Commissions of India –Local Finance in India

Text Book:

1 Tyagi, B.P. (2009) "Public Finance", Jai Prakash Nath and Co. Meerut. New Delhi.

Reference Books:

1. Cauvery et al., (2008)"Public Finance", S.Chand and Company Ltd. New Delhi.
2. Bhatia H L, Public Finance, Vikas Publishing House, Noida, 2018.
3. Hajela T N, Public Finance, ANE Book Pvt. Ltd., New Delhi, 2017.
4. M. Maria John Kennedy, "Public Finance", PHL Learning Privated Ltd, New Delhi.

CORE PAPER - 12
INDIAN ECONOMY

Contact Hours per Week: 05   Subject Code: U3ECC54

Contact Hours per Semester: 75   Credits:4

Course Outcome:

CO1:	Understand the Structure of Indian economy and resource profile of India.
CO2:	Know the various important issues in India like poverty, unemployment and price increase.
CO3:	Understand the Economic inequalities and methods to correct it.
CO4:	Have knowledge on foreign investment in Indian economy.

CO5:	Know the factors responsible for parallel economy and measures to set right it.

Unit: I Nature and Structure of Indian Economy (15 Hours)

Features of Indian Economy – Structure of Indian Economy: Agriculture, Industry and Service sectors- Resource Profile: Natural Resources (Land, Water, Forest, Mineral and Energy) and Human Resource. India as a developing economy - Impact of Economic reforms.

Unit: II Major Issues in Indian Economy (15 Hours)

Poverty : Meaning – Types - Poverty line- Causes of poverty -Measures to alleviate poverty. - Unemployment: Causes – Measures to reduce unemployment – Problems of Price Increase: Causes – Consequences – Remedies.

Unit III : Regional Disparities (15 Hours)

Regional disparities: Indicators – Causes – Policy measures to remove regional disparities - Inequality of Income: Causes – Methods of Reducing Inequalities of Income

Unit: IV Foreign Capital (15 Hours)

Foreign capital – Forms of foreign capital – Needs for foreign capital - Government Policy towards foreign capital – Foreign Collaboration in the post independence period – Impact of foreign aid on India's economic development.

Unit V: Parallel Economy (15 Hours)

Parallel economy – Estimation of black income in India – Factors responsible for generation of black money – Measures to unearth black money – Corruption – Causes.

TEXT BOOK:

1. Gaurav Datt and Ashwani Mahajan (2016) " Indian Economy", S. Chand and Ltd, New Delhi.

Reference Books:

1. Mirsa S.K. and Puri, V.K. (2011) "Indian Economy", Himalaya Publishing House Mumbai.

2.Radha.V (2013) "Indian Economy", Prasanna Publishers and Distributers, Chennai.

3.Sankaran.S.(2013) "Indian Economy", Margham Publications, Chennai

ELECTIVE PAPER – 1
RESEARCH METHODOLOGY

Contact Hours per Week: 06   **Subject Code: U2ECE51**

Contact Hours per Semester: 90   **Credits: 5**

Course Outcome:

To enable the students to

1. Understand the research process, problem and research design.

2. Gain knowledge over the collection, processing and analysis of data.

3. Familiar with the preparation of a research report.

Unit I: Introduction to Research (18 Hours)

Research: Meaning – Objectives –Characteristics – Significance –Types of Research - Research Process: Meaning - Steps involved in a Research Process.

Unit II: Research Problem (18 Hours)

Research Problem: Meaning – Importance of formulating a research problem - Sources – Selecting a research problem – steps involved in formulating a research problem.

Unit III: Sampling Design (18 Hours)

Sampling : Concepts – Steps in Sampling Design (or Sampling process) – Criteria of Selecting Sampling Procedure – Characteristics of a good sampling design - Probability (or Random) and Non – Probability (Non - random) sampling.

Unit IV: Data Collection (18Hours)
Data Collection: Primary Vs Secondary Data – Methods of Collecting Primary Data – Sources of Secondary Data –Questionnaire Vs Schedule – Features of a good Questionnaire.

Unit V: Analysis and Presentation of Data (18 Hours)
Analysis of Data: using statistical tools. Presentation of Data: Classification – Tabulation – Diagram – Graphical representation of data – Preparation of research report.

Text Books:
1. **Kothari**, **C.R. (2009)** "Research Methodology; Methods and Techniques", New Age International (P) Limited Publishers, New Delhi.

Reference Books:
1. **R. Panneerselvam (2009)** "Research Methodology", Prentice Hall of India Private ltd., New Delhi, 7.
2. **Ranjith Kumar,(2012)** Research Methodology, Vage Publication India, Private Ltd., New Delhi. 2012.
3. **Narayanan Nadar, E., (2011).** "Statistics", Prentice Hall of India Learning Pvt, Ltd., New Delhi.

SBE- EMPLOYABILITY SKILLS

Contact Hours per week: 2   **Subject Code: U1PS51**
Contact Hours per Semester: 30   **Credits: 2**
Objectives:
        To enrich the Employability Skills by imparting Reasoning skills, Aptitude skills and General Knowledge.
Unit I : Quantitative Aptitude – Averages, Percentage, Profit & Loss, Ratio & Proportion, Time & Work, Time & Distance, Clock.

                                                              (6-hours)
Unit II : Quantitative Aptitude –Problems on Ages, Boat & Stream, Simple Interest, Compound Interest, Area, Partnerships.   **(6-hours)**
Unit III: Reasoning   **(6-hours)**
Verbal Reasoning - Analogy, Classification, Series, Coding & Decoding, Blood Relations, Direction Sense Test.
Unit IV: Reasoning   **(6-hours)**
Verbal Reasoning - Number Test, Ranking & Time sequence Test, Alphabet Test, Logical Venn Diagrams.
Unit V: **(6-hours)**
General Knowledge: Abbreviations, Acronyms, Famous Personalities, Important Days, Capital Cities, Currencies, Books and Authors, Inventions.
Reference Books:
   1. Verbal & Non Verbal Reasoning   -   R.S.Aggarwal
   2. Quantitative Aptitude   -   R.S.Aggarwal
   3. Subjective & Objective Quantitative Aptitude -   R.S.Aggarwal
   4. Malayala Manorama Year Book, 2014

NME -1
ELEMENTARY ECONOMICS

Contact Hours per Week: 02　　　　　　　　　**Subject Code: U2ECN51**

Contact Hours per Semester: 30　　　　　　　**Credits: 2**

Course Outcome:

To enable the students to understand the:

1. Fundamentals of Economics.

2.Market mechanism

3.Pricing of factors.

Unit I : An Introduction to Economics (6 Hours)

Definitions of Economics: Wealth definition of Adam Smith – Welfare Definition of Alfred Marshall – Scarcity Definition of Lionnel Robbins – Growth Definition of Paul A. Samuelson. Basic Concepts of Economics: Wants, Goods, Utility, Price and Value, Market, Equilibrium. Scope of Economics: Consumption, Production, Exchange, Distribution and Public Finance.

Unit II : Demand Analysis (6 Hours)

Meaning of Demand - Law of Demand – Extension and Contraction of Demand - Law of Diminishing Marginal Utility – Law of Equimarginal Utility – Concept of Consumer's Surplus .

Unit III : Supply Analysis (6 Hours)

Meaning of Supply – Supply function – Determinants of Supply - Law of Supply.

Unit IV: Market Structure (6 Hours)

Factors of Production: Meaning and Characteristics – meaning and features of perfect competition – Monopoly – Duopoly - Monopolistic Competition – Oligopoly.

Unit V : Factor Pricing Analysis (6 Hours)

Meaning of Rent – Wages – Interest and Profit - Ricardian Theory of Rent – Marginal Productivity Theory of Wages – Liquidity Preference
Theory of Interest – Innovation Theory of Profit.

Text Book:

1. Dewett, K.K.,(2011) "Modern Economic Theory, S.Chand and Company Pvt., Ltd.,
New Delhi.

Reference Books:

1 Chopra, P.N., (1990) Principles of Economics, kalyani Publishers, New Delhi.

2 Ahuja, H.L.,(1992) Advanced Economic Theory, S.Chand and Company Pvt., Ltd.,
New Delhi.

SEMESTER - VI CORE PAPER – 13
PLANNING AND GROWTH

Contact Hours Per Week: 06   Subject Code: U3ECC61

Contact Hours per Semester: 90   Credits: 5

Course Outcome:

CO1:	Understand the role of economic planning in the developing country and on various types of planning.
CO2:	Know about various types of control during the plan execution.
CO3:	Know about the sector wise impact of Five Year Plans in India.
CO4:	Get knowledge on the difference between growth and development and various
CO5:	Know various basic theories of development.

Unit I: Introduction (18Hours)

Planning: Meaning – Definition - Role of planning in developing countries – Characteristics of a successful plan – Types of planning : Physical and financial planning, short term, medium term and perspective planning, imperative, totalitarian and democratic planning, centralized and decentralized planning.

Unit II: Stages of Planning and Controls in Planning:

Stages of Planning Formulation, Adoption, Execution and Supervision. Controls in Planning Direct and Indirect control – Types of control: Investment, Production, Consumption, Foreign Exchange and Foreign Trade control.

Unit III: Planning in India (18 Hours)

Features of Indian Plans – Objectives, Achievements and Failures of Five Year Plans of India – Agricultural Development under planning in India – Industrial progress during the plan period – NITI AYOG: Objectives and Composition .

Unit IV: Economic Development and Growth (18 Hours)

Growth: Meaning and Definition – Difference between Growth and Development – Measurement of Economic Development: GNP, Per Capita Income, Welfare and Social Indicators – Human Development Index : Meaning and components – Obstacles to Economic Development- Sustainable Development: Meaning and Objectives.

Unit V : Theories of Economic Growth (18 Hours)

Factors affecting Economic Growth (Economic and non-Economic) – Theories of Economic Growth: Malthusian, Marxian, Rostow's, Lewis and Balance growth and Unbalanced growth.

Text Book:
1. S.K. Mirsa and V.K. Puri,(2016) "Economics of Development and Planning", Himalaya Publishing House Mumbai, 12th Edition.

Reference Books:
1. Taneja M.L. and Myir R.M, (2012) "Economics of Development and Planning", Shoban Lal Nagin Chand and Co, Jalandhar.
2. M.L. Jhingan,(2016) "Economic of Development and Planning", Vrindha Publishing House New Delhi, 40th Edition.

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CORE PAPER-14

COMPUTER SCIENCE

Contact Hours per Week: 06   Subject Code: U3ECC62

Contact Hours per Semester: 90   Credits: 5

Course Outcome:

CO1:	Know the fundamentals of computers.
CO2:	Understand the basic knowledge of applications of windows 2003.
CO3:	Know how to create word documents.
CO4:	Know how to Prepare spread sheet and formulae applications.
CO5:	Know how to make an effective power point presentation.

Unit I: Fundamentals of Computer (18 Hours)

Computer: Importance – Types – Major features – Organisation – Meaning of Binary Number System – Hardware and Software –Computer Components: Input devices – Processing units – Output devices – External Storage Devices.

Unit II : Application in Windows 2003 (18 Hours)

Introduction and features – Basic components – Customizing Windows: Accessories - Notepad – Paint Brush – Control Panel – Windows Explorer – Internet Explorer

Unit III: Ms – Word (18 Hours)

Introduction to word processing – Advantages of word processing– Starting Ms-word – Customizing the work place – Types of views and styles – File management tools – Columns – Tables – Mail Merge.

Unit IV : Ms- Excel (18 Hours)

Introduction to spread sheets – Advantages of Excel– Basic Menu for working with spread sheet – Shortcut menus – entering, editing – Protecting spread sheets – moving deleting – copying cells and ranges – Creating and working with formulae – Data base in excel: Graphs and charts -Application of Excel in various fields.

Unit V : Ms – Power Point Presentation (18 Hours):

Creating and manipulating – Enhance presentations – Inserting Objects – Templates – Working with slide- Inserting WordArt, Text Box, Graphics, Audio and Video-Animation effect- Slide show setup

Text Book:

   1. Dr.R.Asokrajan (2018) , " An Introduction to Computer Technology (An Easy Approach)",Shanlax Publications, Madurai

Reference Books:

1. Bysons Gottried, (1991) "Schaums Outline Series Theory and Problems of Programming with basic Including Expanding Micro Computer Basic Section"; Tata MC Graw, hill Publishing Company Limited, New Delhi.

2. Vasanthi Ramanathan (2012) "Computer Application in Business", Meenakshi Pathippagam, Madurai.

ELECTIVE- 2
LABOUR ECONOMICS

Contact Hours per Week: 06   **Subject Code: U2ECE61**

Contact Hours per Semester: 90   **Credits: 5**

Course Outcome:

To enable the students to understand the:

1. Various labour problems in India.
2. Positions of workers participation in Management.
3. Structure of Trade Union in India.

Unit I: Nature of Labour Problems (18 Hours)

Labour: meaning – Factors involved in labour problems – characteristics of labour – Migration: Meaning – Causes – Effects – Causes for absenteeism and labour turnover.

Unit II: Industrial Disputes (18 Hours)

Industrial Disputes: Meaning – Forms- Causes- Effects-Prevention- Methods for settlement.

Unit III: Wage and Workers Participation in Management (18 Hours)

Wages – Causes for wage difference – Methods of wage payment .Workers Participation in management in India: Meaning – Works Committee – Joint Management Councils – Workers Directors, - workers participation in Industry and in Public sector.

Unit IV: Social Security Measures (18 Hours)

Social Security: Meaning – Need – benefits Provided under social security – social security measures in India – Workmen Compensation Act – Maternity Benefit Act – Employees State Insurance Scheme – Employees Provident Fund .

Unit V: Trade Union Movement (18 Hours)

Trade union : Meaning – Objectives – Forms: INTUC, AITUC, CITU and HMS - Structure of Trade Union in India – Functions of Trade Unions – Factors affecting the growth of Trade Unions – Growth of Trade Union in India – ILO: Aims and Functions.

Text Book:

1. **Tyagi B.P**. (2011)"Labour Economics and Social Welfare" Jain Prakesh Nath and Co Meerut 2011.

Reference Books:

1 Punekar, Deodhar, Sankaran,(2007) " Labour Welfare, Trade Unionism and Industrial Relations,", Himalaya Publishing House Mumbai,

2. **R.C. Saxena, S.R. Saxena (2007)** "Labour Relation in India, Asia Printer's mata Ghat Road, Khurja

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ELECTIVE PAPER – 3

PROJECT

Contact Hours per Week: 06   Subject Code: U1EC6PR

Contact Hours per Semester: 90   Credits: 5

Course Outcome:

CO1:	Student can find the interrelations of economic theory and practical problems.
CO2:	Able to think over various economic problems prevail in and around him and to suggest the solution.
CO3:	Hands on experience on collection, presentation of Analyse of Data.
CO4:	Able to apply the statistical and mathematical tools which he studied in the earlier semester.

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SBE-5

SOFT SKILLS FOR CAREER DEVELOPMENT

Contact Hours per Week: 02   Subject Code: U3ECS61

Contact Hours per Semester: 30   Credits: 2

Course Outcome:

CO1:	Know the different factors influencing individual personality.
CO2:	Understand the importance of personal grooming.
CO3:	Can develop a good Body Language.
CO4:	Become well-versed in communication skill.
CO5:	Prepare resume and perform their interview in successful manner.

Unit I: Personality

Meaning – Definition – Elements – Determinants: Biological , Cultural, Family , Social and Situational factors.

Unit II: Personal Grooming

Meaning of Grooming – Importance – Personal Grooming Habits – Do's and Don'ts in good grooming.

Unit III : Body Language

Types of Body language – Functions of Body Language – Role of Body Language – Proxemics.

Unit IV: Communication Skill

Art of Listening, Reading, Writing and Speaking.

Unit V: Interview Preparation

Resume Writing- Dress Code for Interview – Mock-Interview – Do's and Don'ts in Interview – Do's and Don'ts in Group Discussion.

Text Book:

1. R.Machakkalai, L.Saraswathi, "Personality Development – A Need", Spark Publication, Madura.

Reference Books:

2. Alex.K. 2011,Soft skills, S.Chand Company Limited, 2nd Revised Edition.
3. A.Rama, P.T.Kanthimathi, M.Subasini,(2019), Soft Skills New Century Book House.

SBE - 6

BUSINESS CORRESPONDENCE

Contact Hours per Week: 02   Subject Code: U3ECS62

Contact Hours per Semester: 30   Credits: 2

Course Outcome:

CO1:	Understand the fundamental concepts of business correspondence.
CO2:	Able to recognize the importance of a business letter.
CO3:	Understand basics in trade enquiries.
CO4:	Be able to Write various types of business letters.
CO5:	Know how to establish agencies. Able to organize the messages in Business letter.

Unit I: Introduction to Business Correspondence

Meaning – Significance – Elements – Do's and Don'ts in Business Correspondence – General Rules for All Business Correspondence.

Unit II: Business Letter

Things a good Business Letter can do – Essential of a good Business Letter – Purpose of a Business Letter – Physical Appearance of part of a Business Letter.

Unit III: Kinds of Business Letter

Common Types of Business Letter – Sales Letter – Circular Letter – Collection Letter – Banking Letter.

Unit IV: Business Letter Writing

Block Format for writing Business Letter – Tips for writing Acceptance Letter, Acknowledgement Letter, Announcement Letter, Apology Letter, Appreciation Letter, Approval Letter.

Unit V: Organisation of Message in Business Letter

Negative words and words with Negative Connotations – Avoiding Double Entry – Organisation of Positive and Informative Messages- Presentation of Bad News – Pattern to Outside the Organisation, Superiors, Subordinates.

Text book :

1. Chopra. R.K, "Business correspondence", Himalaya Publishing House, New Delhi**,** 2016.

Reference Books:

1. Homai Pradhan , N.S. Pradha, "Business communication", Himalaya Publishing House. 2016.

2. Lakshmi Narain Agarwal , Agra. 3. John.X.Wang, " Business Communication" CRC Press,Taylor and Frances group, 2016.

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NME - 2
DIMENSIONS OF INDIAN ECONOMY

Contact Hours per Week: 02   Subject Code: U3ECN61

Contact Hours per Semester: 30   Credits: 2

Course Outcome:

CO1:	Know the features of New Economic Policy of India.
CO2:	Understand Financing of agriculture in India, to some extent.
CO3:	Know the Role of MSMEs in India.
CO4:	Importance of the balanced regional development.
CO5:	Various components of export and import of India.

Unit I: Nature of Indian Economy (6 Hours)
Features of Indian Economy – India as a Developing Economy - New Economic Policy in India : LPG (meaning only) – Impacts of Economic reforms.

Unit III: Indian Agriculture (6 Hours)
Role of Agriculture in India – Green Revolution: Achievements – Weaknesses. Agricultural Finance: Need – Regional Rural Bank – NABARD.

Unit III: Industry (6 Hours)
Cottage Industries: Features. Small scale Industries: Features – Role of MSMEs – Problems - Policy Measures to remove disabilities.

Unit IV : Foreign Trade (6 Hours)
Importance – Foreign Trade since1991– Pattern of Imports and Exports– Direction of India's Foreign Trade.

Unit V: Balanced Regional Development (6 Hours)
Indicators of Regional Imbalances – Causes of Economic Backwardness – Policy Measures to Remove Regional Disparities: – Central and State Government Measures.

Text Book:
1. Indian Economy, 2015, Dutt and Sundharam, S.Chand Publication, New Delhi.

Reference Books:
1. Indian Economy, 2013, Puri and Mishra, Himalaya Publishing House
2. Indian Economy, Sankaran. Margham Publications,Chennai, 2013.

Department of Economics
From the Academic Year 2018-19 onwards

Self-Learning Course:

Subject	Credit	Ext =Tot	Subject Code
Economic Development of India	5	100 = 100	U1ECSL51

SELF LEARNING
ECONOMIC DEVELOPMENT OF INDIA

Total Marks: 100   **Subject code: U1ECSL51**
Credits: 5

Objectives:
To enable the students to understand the;
- Basic features of the Indian economy
- Major problems in India namely, poverty and unemployment
- Two major productive sectors namely agricultural and industrial sector,

Unit I: Introduction
Economic Development: Meaning – Measurement – Factors Determining Economic Development.

Unit II: Population
Birth and Death Rate in India - Demographic Features of India: - Life Expectancy, Infant Mortality Rate, Density of Population, Age Composition, Sex Ratio - Effects of Population on Economic Development.

Unit III: Poverty and Unemployment
Poverty: Meaning - Causes of Poverty – Definition of Poverty Line in India.
Unemployment: Meaning - Causes for Unemployment in India – NREGP, SGSY, SJSRY.
Unit IV: Agriculture
Role of agricultural in Indian Economy – Causes for Low Agricultural Productivity.
Green Revolution: Meaning - Features – Achievement and Failures.
Unit V: Industry
Meaning of Cottage, Medium, Small and Large Scale Industries in India.
Industrial Development in India – New Industrial Policy 1991

Text Books:

1. Dhingra I C and Garg V K, **Economics Development and Policy in India**, Sultan Chand and Sons, New Delhi, 2012.

Reference Books:

1. Taneja and Myer, Economics of Development and Planning, Vishal Publish Co., Jalandhar, 2012.
2. Jhingan M L, The Economics of Development and Planning, Vrindha Publications (P) Ltd. Delhi, 2013.