



Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

ARTS, COMMERCE & SCIENCE COLLEGE, NEW PANVEL (AUTONOMOUS)

Re-accredited 'A+' Grade by NAAC

'College with Potential for Excellence' Status Awarded by UGC 'Best College Award' by University of Mumbai

Program: M.A.

Revised Syllabus of M.A.-I Economics Choice Based Credit & Grading System (60:40) w.e.f. Academic Year 2022-23

Sr.	Heading	Particulars
No.		
1	Title of Course	Economics
2	Eligibility for Admission	T.Y.B.A. in Economics / Any Graduate
3	Passing marks	External -24 Internal -16
4	Ordinances/Regulations (if any)	
5	No. of Semesters	Four
6	Level	P.G.
7	Pattern	Semester (60:40)
8	Status	Revised
9	To be implemented from Academic year	2022-2023

Revised Syllabus of Courses of M.A.-I Programme at Semester I & II with Effect from the Academic Year 2022-23 Preamble

The Paper aims at introducing concepts, theories and policies regarding Economics. The student should be able to use these concepts to understand the relevance of economics to the real world. The student should be able to build on these concepts in the future to develop deeper understanding of the Economy as well as the revised syllabus is framed to understand the economic theory and its relevance in decision making.

COURSE CONTENT

SN	Modules	No. of
		Lectures
1	Module - I	15
2	Module - II	15
3	Module - III	15
4	Module - IV	15
	Total	60

Revised Scheme of Examination Faculty of Arts

(Post-Graduate Programmes)

Choice Based Credit System (CBCS)

Revised Scheme of Examination

The performance of the learners shall be evaluated into two parts. The learner's performance shall be assessed by Internal Assessment with 40% marks in the first part and by conducting the Semester End Examinations with 60% marks in the second part. The allocation of marks for the Internal Assessment and Semester End Examinations are as shown below-

A) Internal Assessment: 40 %

Sr. No.	Particular	Marks
01	One periodical class test / online examination to be	20 Marks
	conducted in the given semester	
	Any two tools out of these (10 Marks each)	
02	1. Group/ Individual Survey Project	
	2. Presentation and write up on the selected topics	
	of the subjects	20 Marks
	3. Case studies / Test based on tutorials	
	4. Book Review /Poetry Appreciation/ Open Book Test	
	5. Quiz	

Question Paper Pattern

(Periodical Class Test/ online examination for the Courses at Post Graduate Programmes)

Maximum Marks: 20 Duration: 30 Minutes

40 Marks

Particular	
Match the Column / Fill in the Blanks / Multiple Choice Questions/ True/False/Answer	20
in One or Two Lines (Concept based Questions) (1 Marks each)	Marks

B) Semester End Examination: 60 %

60 Marks

• Duration: The examination shall be of 2 hours duration.

Question Paper Pattern

Theory question paper pattern

- 1. There shall be four questions each of 15 marks.
- 2. All questions shall be compulsory with internal options.
- 3. Question may be subdivided into sub-questions a, b, c... and the allocation of marks depends on the weightage of the unit.

Passing Standard

The learners shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment and Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of grade D in each project wherever applicable to pass a particular semester.

Guidelines and Evaluation pattern for project work (100 Marks)

Introduction

Inclusion of project work in the course curriculum of the M.A. programme is one of the ambitious aspect in the programme structure. The main objective of inclusion of project work is to inculcate the element of research work challenging the potential of learner as regards to his/ her eager to enquire and ability to interpret particular aspect of the study in his/ her own words. It is expected that the guiding teacher should undertake the counseling sessions and make the awareness among the learners about the methodology of formulation, preparation and evaluation pattern of the project work.

- There are two modes of preparation of project work
 - 1. Project work based on research methodology in the study area
 - 2. Project work based on internship in the study area

Guidelines for preparation of Project Work

Work Load

Work load for Project Work is 01 (one) hour per batch of 15-20 learners per week for the teacher. The learner (of that batch) shall do field work and library work in the remaining 03 (three) hours per week.

1. General guidelines for preparation of project work based on research methodology

- The project topic may be undertaken in any area of Elective Courses.
- Each of the learner has to undertake a Project individually under the supervision of a teacher-guide.
- The learner shall decide the topic and title which should be specific, clear and with definite scope in consultation with the teacher-guide concerned.
- University/college shall allot a guiding teacher for guidance to the students based on her / his specialization.
- The project report shall be prepared as per the broad guidelines given below:
 - Font type: Times New Roman
 - Font size: 12-For content, 14-for Title
 - Line Space : 1.5-for content and 1-for in table work
 - Paper Size: A4
 - Margin : in Left-1.5, Up-Down-Right-1
 - The Project Report shall be bounded.
 - The project report should be 80 to 100 pages

A) External Assessment

Question Paper Pattern

Maximum Marks: 60

Questions to be set: 04

Duration: 2 Hrs.

All Questions are Compulsory Carrying 15 Marks each.

Question	Particular			
No				
Q-1	Attempt Any 2 out of 3	15 Marks		
	A. Full Length Question			
	B. Full Length Question			
	C. Full Length Question			
Q-2	Attempt Any 2 out of 3	15 Marks		
	A. Full Length Question			
	B. Full Length Question			
	C. Full Length Question			
Q-3	Attempt Any 2 out of 3	15 Marks		
	A. Full Length Question			
	B. Full Length Question			
	C. Full Length Question			
Q-4	Attempt Any 2 out of 3	15 Marks		
	A. Full Length Question			
	B. Full Length Question			
	C. Full Length Question			

Programme outcomes (POs) for

M. A.

Sr. No.	Attributes	Programme Outcomes
PO1.	Disciplinary Knowledge	Amalgamations of theoretical and practical understanding generated from the chosen programme and develop the students with academic perspective.
PO2.	Communication Skills	Demonstrate effective communication skills pertaining to different domains of the courses.
PO3.	Critical Thinking	Application of analytical thoughts, arguments, evidences and relevant assumptions for development of scientific approach.
PO4.	Problem Solving	Solving of different kinds of non-familiar problems and apply ones learning to real life situations.
PO5.	Analytical reasoning	Identification of relevance along with logical flaws in the arguments for synthesis of the data of variety of sources.
PO6.	Research-related skills	Development of sense of enquiry and research capabilities and acumen related problems of research.
PO7.	Reflective thinking	Critical sensibility about live experiences with self-awareness and its reflection in self and society.
PO8.	Moral and ethical awareness	Demonstration of moral and ethical values in one's life.
PO9.	Leadership qualities	Capability for building a team to achieve desired goals and objectives.
PO10.	Lifelong learning	Acquisition of knowledge and skills for participating in learning activities throughout the life.

Programme outcomes (PSOs) for

M. A. Economics

Name of the	Programme Coordinator	Head of the Department		
Programme	Dr. B. S. Patil	Dr. B. S. Patil		
B.A. Economics				
After o	completing the programme in Economics, stude	nts will able to:		
PSO1	Demonstrate advanced knowledge of Resear	ch Methodology, Agricultural		
	Economics, Public Finance, Environmental F	Policies, Industrial Relations,		
	and Statistical and Mathematical methods.			
PSO2	Develop Research skills like- methods of data collection, sampling			
	methods, interpretation, Report writing, by applying both quantitative and			
	qualitative knowledge.			
PSO3	Develop proficiency of research analysts, indu	strial consultancy,		
	environment policy applications, own busines	s at the same time ability to		
	engage in competitive exams like MPSC, UPSC	, IES, ISS, Labour Officers,		
	Research analyst's, Bank POs and other course	25.		

M.A – I (ECONOMICS)

SEMESTER - I and II

Academic Year - 2022 – 23

SEMESTER - I

Sr.	PAPER	COURSE	NAME OF THE SUBJECT		MARKS
No	NO	CODE			
1	Ι	PAR1MIE	MICRO ECONOMICS	6	100
2	II	PAR1MAE	MACROECONOMICS	6	100
3	III	PAR1EOD	ECONOMICS OF DEVELOPMENT	6	100
4	IV	PAR1MTE	MATHEMATICAL TECHNIQUES FOR ECONOMICS	6	100
SEMESTER :- II					
5	Ι	PAR2MEC	MICRO ECONOMICS	6	100
6	II	PAR2MAE	MACRO ECONOMICS	6	100
7	III	PAR2PUE	PUBLIC ECONOMICS	6	100
8	IV	PAR2SEM	STATISTICAL AND ECONOMETRIC METHODS	6	100

Microeconomics – I	I, SEM - I
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COURSE CODE	PAPER TITLE	CREDITS	MARKS
PAR1MIE	MICRO ECONOMICS	06	100

Course Outcomes

Cos	After completing the course, student will able to:	Course Attributes
CO1	Relate the utility with consumer behavior.	Remember
CO2	Explain production, cost and supply function.	Understand
CO3	Make use of price and output determination under	Apply
	perfect competition.	
CO4	Examine the monopoly and its aspects.	Analyse

SYLLABUS

Module –I: Consumer Behavior

Utility function, Cardinal Approach – Marshall, Ordinal Approach - Indifference Curve, Slutsky equation :- Uses of Slutsky equation, Income, Price and Substitution effects, Comprehended Demand Curve, Revealed preference approach to consumer choice, consumer's optimization problem, Giffen goods.

Module –II: Production, Cost

Production Function – CES Production function Properties and Importance, Returns to scale , Law of Variable proportions, production function (Cobb-Douglas), Cost Minimization, Relationship between production function and cost function, Production possibility curve,

Module –III: Price and Output determination under perfect competition

Features of perfect competitions, price and output determination in the long and short run, Equilibrium of the firm and the industry, practical applications of perfect competitions, General equilibrium- Meaning, existence and stability of General equilibrium in a pure consumption economy, first and second fundamental theorems of welfare economics, market failures and theory of the second best, Profit Maximization in perfect competition.

Module – IV: Monopoly

Monopoly: Its features, measures market power, price and output determination in a monopoly, Price Discrimination-First, Second and Third degree under monopoly, bilateral monopoly, regulation of monopolies. Profit Maximization under monopoly.

Reference Books

Micro Economics - Paper I

1. Gravelle H. and Ress R. (2004) : Microeconomics., 3rd Edition, Pearson edition Ltd, New Delhi.

2. Varian H. (2000) : Intermediate microeconomics : A Modern Approach, 8th Edition, W. W. Norton and company.

(lectures 15)

(lectures 15)

(lectures 15)

Microeconomics -I, Sem - II

COURSE CODE	PAPER TITLE	CREDITS	MARKS
PAR2MEC	MICRO ECONOMICS	06	100

Course Outcomes

	After completing the course, student will able to:	Course Attributes
CO1	Outline the game theory in detail.	Understand
CO2	Create an understanding of strategic behaviour	Create
	under oligopoly and monopoly market.	
CO3	Simplify the information economics for their	Analyse
	practical life.	
CO4	Define various alternative theories of the firms.	Remember

SYLLABUS

Module –I: Introduction to Game Theory

Introduction to Game theory, Types of Games :- Types of Strategies, normal form games and extensive form games, dominant strategy equilibrium, Prisoner's dilemma, Nash equilibrium in Pure and Mixed strategies, sub game perfection, measures of Risk Aversion.

Module –II: Oligopoly Market

Oligopoly and its features, Cournot Model, Collusion Model, Bertrand Model, Stackelberg Model, Edgeworth Model, Sales and Revenue maximization model of oligopoly, , limit pricing, Nudge Theory

Module –III: Asymmetric information based analysis

Moral hazard and adverse selection, market for lemons, principle – agent models, optimal contracts under symmetric information, screening and signaling applications.

Module –IV: Alternative Theories of the firms

Alternative theories of the firm: Morris model of managerial enterprise, Williamson's model of managerial discretion, behavioral theories of the firm, Full cost pricing Principle, Baomol Model

Reference Books

Micro Economics - Paper I

1. Gravelle H. and Ress R. (2004) : Microeconomics., 3rd Edition, Pearson edition Ltd, New Delhi,

Varian H. (2000) : Intermediate microeconomics : A Modern Approach, 8th Edition, W. W. Norton and company.
Gibbons R. A. Primer in Game Theory, Harvester – Wheatsheaf, 1992

(lectures 15)

(lectures 15)

(lectures 15)

Macroeconomics -II, Semester - I

PAR1MAE MACROECONOMICS 06 100	COURSE CODE	PAPER TITLE	CREDITS	MARKS
	PAR1MAE	MACROECONOMICS	06	100

Course Outcomes

Cos	After completing the course, student will able to:	Course Attributes
CO1	Relate economic mechanism with their regular life.	Remember
CO2	Illustrate the concept of national income.	Understand
CO3	Identify the mechanism of the open economy.	Apply
CO4	Assess the functions of the money and capital	Evaluation
	market.	

SYLLABUS

Module –I: Introduction to Macroeconomics

Macroeconomics- Meaning, Scope, Importance and Limitations, Stocks and Flows; Concepts of National Income- GDP, GNP, NDP, Gross Value Added (GVA), Personal Income, Disposable Income, Per Capita Income, GDP Deflator; Methods and limitations of measuring National Income.

Module -II: Micro foundations of Macroeconomics

Consumption Function- Keynes's Theory of Consumption and Keynes's Psychological Law of Consumption, Types of Investment, irreversibility and investment, Autonomous and Induced Investment, Accelerator Theory of Investment, Theory of Multiplier.

Module –III: Determination of National Income and the Price Level (lectures 15) The Demand for Money and Supply of Money, The Keynesian Model: IS-LM Analysis, Fiscal and Monetary Policy, The role of expectations: The AS-AD Model; Inflation and Unemployment.

Module – IV: The Open Economy

Balance of Payments: - Meaning-Structure-Disequilibrium-Corrective Measures, Trade Barriers- Tariffs and Import Quotas- Effects of Tariff, Effects of Quotas, Floating/Flexible Exchange Rates and Managed Float/Managed Flexible exchange rate, The IS-LM-BP model

Reference Books

Macro Economics - Paper II

1. Carlin, wendy and David Soskice, 2007, Macroeconomics, Oxford University Press.

2. D'Souza, Errol, Macroeconomics, 2012, Dorling Kindersley (India) Pvt Ltd.

3. Michl, Thomas, 2009, Macroeconomic Theory, PHI Learning.

4. H.L. Ahuja, 2020, Macroeconomics- Theories and Policies, S. Chand.

(lectures 15)

(lectures 15)

Macroeconomics –II, Semester – II

CREDITS

PAPER TITLE

PAR2MAE		MACRO ECONOMICS	06		100
Course Outcomes					
	After completing the course, student will able to: Course Attributes				
CO1	Examine the price setting mechanism in an economy.				Analyse
CO2	CO2 Understand the importance of Neo-Classical economics.				Evaluation
CO3	B Elaborate the Keynesian economics in detail.			Create	
CO4	Summarise Macroeconomic policies.				Understand

SYLLABUS

Module –I: Money and Pricing

Money- Meaning, History and origin, Functions of Money, Importance of Money, Measures of money supply in India-M1, M2, M3, M4, Fisher's Equation of Money, Cambridge cash balance approach, Credit creation, Menu costs.

Module –II: Neo Classical Economics

COURSE CODE

New Classical Economics, Credit Control methods by RBI- Quantitative and Qualitative Methods, Wealth Effects and the Government Budget Constraint; money/bond finance, the government budget deficit; Ricardian Equivalence.

Module –III: Keynesian theory

New Keynesian Economics and disequilibrium, Theories of Consumption- Relative Income Theory of Consumption- Life Cycle Theory of Consumption - Permanent Income Theory of Consumption, The NK model of inflation.

Module – IV: Macroeconomic Policy

Government in Macroeconomic Policy- Types of Public Expenditure, Direct and Indirect Taxes, Inflation Targeting and Exchange Rate policies, Union Budget, Finance Commission and FRBM Act, 2003, Recent Macroeconomic policies.

Reference Books

Macro Economics - Paper II

- Heijdra, Ben J. and Frederick Van Der Ploeg, 2002, Foundations of Modern Macroeconomics, Oxford University Press, Oxford.
- 2. Romer, David, 2012, Advanced Macroeconomics, McGraw-Hill, Fourth Edition
- Wickens, Michael, 2011, macroeconomic Theory and the Dynamic General Equilibrium Approach, Princeton University Press.
- 4. H.L. Ahuja, 2020, Macroeconomics- Theories and Policies, S. Chand.

(lectures 15)

MARKS

(lectures 15)

(lectures 15)

Economics of Development –III, Semester – I

COURSE CODE	PAPER TITLE CREDITS			MARKS	
PAR1EOD	ECONOMICS OF DEVELOPMENT	06		100	
Course Outcomes					
Cos	After completing the course, student will able to:			ourse Attributes	
CO1	Demonstrate the role of social and economic			Understand	
	indices of growth and developme	ent.			
CO2	Judge various modern theories of growth and			Evaluate	
	distribution.				
CO3	Define various market concepts.			Remember	
CO4	Examine the various aspects of Foreign trade.			Analyse	

SYLLABUS

Module -I: Concepts and measures of Growth and Development Concept of Growth and Developments, Economic growth and structural change- capabilities, entitlements and deprivation- inequality and growth – Measurement of inequality and poverty- Vicious circle of poverty, Measurement of Development-HDI,GDI.

Module -- II: Theories of Economic Growth and Development

Harrod- Domar Model of growth - Solow model of growth, - Endogenous Growth models of Romer – Big push theory

- Balanced growth (Nurkse), Unbalanced growth (Hirschman)

Module –III: Microeconomics of Development

Rural Land market- Labour market- Capital market- Credit market-Microfinance- Market interlink-ages-Households sector –The household model of fertility decisions- institutions and development.

Module -- IV: Interlinkeges between environment and Development

Environment and development- Population environment linkage - Natural resources-Environmental problems in Economic Development- Environment and sustainable Development- Environmental Acts - Trade and Development-Trade and foreign exchange- Role of International financial and trade institutions- Structural adjustment and stabilization.

Reference Books

Economics of Development - Paper III

1. Basu, Kaushik (1998), Analytical Development Economics, OUP, New Delhi.

2. Ray, Debraj (2004), Development Economics, OUP, New Delhi.

(lectures 15)

(lectures 15)

(lectures 15)

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(COURSE CODE	PAPER TITLE	CREDITS	MARKS
PAR2PUE PUBLIC ECONOMICS 06			100	
		Course Out	comes	
Cos	After comp	pleting the course, stude	ent will able to:	Blooms Taxonomy
CO1	Define mechanism	of taxation in India		Remember
CO2	Illustrate local, stat	te and central governme	ent expenditure.	Understand
CO3	Evaluate tax regulati	on, distribution, implication	on and tax evasion.	Evaluation
CO4 Examine India's federal structure, Decentralization and Government reforms.			Analysing	
		SYLLAB	US	
Module –I:	Introduction to Welfare	economics		(lectures 15)
Concept of	Welfare economics, Pige	ou's approach view on welfa	re, The Social welfare funct	ion, Market failure and
Externalitie	s, Theorems of welfare	economics: Pigou, Pareto O	ptimality, Compensation pr	inciple, Arrow Impossibility
Theorem, T	he Principle of Maximur	n Social advantage		
Module –II:	Taxation			(lectures 15)
Tax:- Class	ification, Direct vs. indir	ect Taxes, VAT, GST, Lump	sum taxes , Cess, Corporate	Tax, , Cannon of Taxation
Ability to pa	ay, Benefit Principle of T	axation, Imapact and Incide	ence Tax, Shifting of Tax, Inc	idence and Burden Tax, Ta
Evasion: ba	sic Model, Auditing and	punishment.		
Module –III	: Public Expenditure: Ra	tionale and Evaluation		(lectures 15)
Public Good	ds, Private Goods, Club	Goods, Merit Goods, private	provision of public Goods,	Optimal Provision, Lindahl
Voluntary E	xchange Approach, Gov	vernment Expenditure, - Eva	luation of Government Exp	enditure: Elements of Cos
3enefit ana	lysis.			
Module –IV	: Fiscal Federalism			(lectures 15)

Concept of Fiscal Federalism, India's Federal Structure, Working of Indian fiscal federation, Decentralization: Need Decentralization Theorem, expenditure responsibilities, Intergovernmental Transfers, Fourteenth and Fifteenth

finance commission in India.

Reference Books

Public Economics - Paper III

1. Atkinson A.B. and J.E. Stieglitz: Lectures on public Economics, New York: McGraw-Hill, 1980

2. Cullis J. and P. Jones: Public Finance and Public Choice, OUP,1998

3. Hindricks J. and Gareth D. Myles: Intermediate public Economics, MIT Press, 2006.

4. Myles G.: public Economics , Cambridge University Press, 1995

5. Oates W.: Fiscal Federalism, Harcourt, Brace Jovanovich, 1972

6. Purohit M.: Value Added Tax, Gayatri Publications.

7. Tesch R.: Public Finance: A Normative Theory, Academic Press, 1995

Mathematical Techniques for Economics –IV, Semester – I

COURSI	ECODE	PAPER TITLE	CREDI	MARKS	
PAR1	MTE	MATHEMATICAL TECHNIQUES FOR ECONOMICS	06		100
Course Outcomes					
Cos	Cos After completing the course, student will able to:			Blooms Taxonomy	
CO1	CO1 Construct the economic functions.			Construct	
CO2 Apply derivatives in economics and Understand Unconstrained optimization techniques in economics		A	Apply		
CO3 Understand constrained optimization techniques in economics		Und	erstand		
CO4	CO4 Apply matrix in economics.			A	Apply
		SYLLABUS			

Module –I The concept of Sets and types of Function:

A set and its elements, Operations on sets, De Morgan's laws, slope and intercept of a straight line, higher order functions, logarithmic and exponential functions, rules of logarithms and exponentiation, Economic applications of Equation (Supply and Demand Analysis, Income determination)

Module –II Derivatives and its applications:

limits, Derivative of a function, rules of differentiation, uses of derivatives in economics, Unconstrained optimization in economics, partial derivatives and their applications in Economics, introduction to integration and its applications in Economics.

Module –III Optimization techniques:

Constrained optimization in Economics, Lagrange multipliers and equality constraints, constrained optimization with inequality constraints, applications in economics.

Module – IV Matrix algebra:

Introduction to matrices, matrix operations (upto 3 X 3), matrix addition and multiplication, transpose and inverse of a matrix, Adjoin of a matrix, solving simultaneous equations with matrices, Determinant-minors and cofactors – cramer's Rule, Application in Economics

Reference Books

Mathematical Techniques for Economics - Paper IV

1. Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 2005

2. K. Sydsaeter and P. Hammond, Mathematics for Economic Analysis, Pearson Educational Asia: Delhi, 2002.

 Dowling Edward T : Introduction to Mathematical Economics, Schaum Outline Series in Economics, Tata McGraw -Hill, New Delhi,2004

(lectures 15)

(lectures 15)

(lectures 15)

Statistical and Econometric Methods – IV, Semester – II

COURSE	CODE	PAPER TITLE	CREDITS	MARKS		
PAR2S	SEM	Statistical and Econometric Methods	06	100		
	Course Outcomes					
Cos		After completing the course, student will able to:	Blooms Ta	Blooms Taxonomy		
CO1	Understand the basic statistics concepts. Understand					
CO2	Const	ruct the hypothesis and select suitable test for data	a Const	ruct		
	analysis.					
CO3	Estimate and Interpret the regression coefficient. Estimate and Interpret			d Interpret		
CO4	Under	stand the problems of heteroscedasticity,	Unders	stand		
	autoc	orrelation and multicollinearity in regression model.				

SYLLABUS

Module –I introduction of statistics and Probability

Measures of Central tendency and dispersion, Random variables mean and variance of a random variable, basic laws of probability, Discreet random variables (Geometric, Binomial and Poisson), Continuous distributions (The Normal Distribution), Covariance and Correlation (Pearson's and spearman's coefficients), the law of large numbers (without proof),

Module -- II Tests of Hypothesis :

Tests of Hypothesis: Tests of hypothesis, null and alternative hypothesis, one tailed and two tailed tests, the standard normal distribution and its applications, the Chi-square distribution and its applications, the T distribution and its application the central Limit Theorem.

Module – III Fundamentals of Regression Analysis :

The linear regression model: Estimation and hypothesis testing, properties of least square estimators, the Coefficient of determination and adjusted R square, the F test in regression, interpreting regression coefficients, Multiple Regression Analysis.

Module – IV Relaxing the Assumptions of the Classical Model:

Problems in simple Linear Regression model: Heteroscedasticity and consequences of using OLS in the presence of Heteroscedasticity, Detection of Heteroscedasticity, autocorrelation and its consequences, Detection of Autocorrelation, multicollinearity and its consequences, Detection of Multicollinearity.

Reference Books

Statistical Methods in Economics - Paper IV	
1. Hatekar Neeraj R: Principles of Econometrics : an introduction Using R, SAGE publications, 2	2010

2. Kennedy P.: A Guide to Econometrics, Sixth Edition, Wiley Blackwell edition, 2008

3. Gujarati D. N. and Porter D.C., Basic Econometrics, McGraw Hill, 5th edition, International Edition, 1 July, 2017

4. Wooldridge, J., Introductory Econometrics: A Modern Approach, Cengage Learning, 2009

5. Stock J. H. and Watson M. W., Introduction to Econometrics, Third Edition, Pearson, 2018

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