



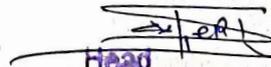
R.E.Society's
**R.P. Gogate College of Arts & Science
and R.V. Jogalekar College of Commerce
(Autonomous), Ratnagiri**

Syllabus for Second Year Master of Arts

**Program: M.A.
Course: Economics
Semester III & IV**

**Under Choice Based Credit System
(CBCS)**

**To be implemented from Academic Year-
2023-2024**


Head
Dept. Of Economics
Gogate- Jogalekar College
Ratnagiri

R. P. Gogate College of Arts & Science and
R. V. Jogalekar College of Commerce (Autonomous), Ratnagiri

Board of Studies in Economics

Academic Year 2024-25

PG Courses:

MA Part- II

S. N	Type of the course	No of Cr	Course Code	Nomenclature	S. N	Type of the course	No of Cr	Course Code	Nomenclature
Semester III					Semester IV				
1	Major : Mandatory	4	24_PAECO301	International Economics	1	Major : Mandatory	4	24_PAECO401	Money and Banking
2	Major : Mandatory	4	24_PAECO302	Economics of Human Development	2	Major : Mandatory	4	24_PAECO402	Environmental Economics
3	Major : Mandatory	4	24_PAECO303	Economics of Agriculture	3	Major : Mandatory	4	24_PAECO403	Economics of Rural Development
4	Major : Mandatory	2	24_PAECO304	Computer Application in Economics	Major : Mandatory				
5	Major : Elective (Any One)	4	24_PAECO305	Indian Economy	5	Major : Elective (Any One)	4	24_PAECO 404	Economics of Entrepreneurship
			24_PAECO306	OR Econometrics			4	24_PAECO405	Quantitative Economics
6	RP	4	24_PAECO307	Research Project (RP)	6	RP	6	24_PAECO406	Research Project (RP)

Syllabus for Master of Arts in Economics for the year 2024-25

Semester- III

Nome of the Course	International Economics
Class	MA
Semester	III
Course Code	24_PAECO301
No. of Credits	04
Nature	Theory
Type	Major (Mandatory / Elective)

Course Outcomes:

At the end of the Course, the Learner will be able to

CO1- Understand the flow of international trade.

CO2- Awareness on varied trade policies.

Syllabus:

Unit No.	Unit Title	Sub titles (Learning Points)
I	Classical and Neoclassical Theories of Trade	1.1 Brief review of absolute and comparative advantage of trade 1.2 real and opportunity cost approaches 1.3 terms of trade, reciprocal demand and offer curves 1.4 The Heckscher – Ohlin (H-O) Theory 1.5 Factor Price Equalization Theorem 1.6 Leontief’s paradox, 1.7 Rybczynski Theorem Product cycle theory and technological gap theory
II	Modern Trade Theory	2.1 Concept of intra industry trade 2.2 Imperfect competition and trade 2.3 The Neo Heckscher – Ohlin models: Favley model 2.4 Neo Chamberlinians model: Krugman model 2.5 Oligopolistic models: Brander– Krugman model, reciprocal dumping model, 2.6 Iceberg model 2.7 Gravity equation.
III	Trade Policy	3.1 Instruments of trade policy: Tariffs and welfare 3.2 Optimum tariff 3.3 Tariff and real rewards to factors of production 3.4 The Stolper–Samuelson Theorem 3.5 Metzler’s paradox 3.6 Theory of Customs union

		3.7 Quotas and export subsidies 3.8 Gains from trade 3.9 Trade and growth
IV	Contemporary Regional Trading and WTO	4.1 Regionalism and Multilateralism in the context of WTO 4.2 Critical Evaluation of the Role played by WTO 4.3 Overview of regional trading arrangement: SAARC, SAFTA, ASEAN, European Union, NAFTA.

Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Grimwade Nigel, International Trade (Second Ed), Routledge, London 2001
2. Grubel H.G. and P.J. Lloyd, Intra-Industry Trade, Macmillan, London, 1975
3. Haberler G. A Survey of International Trade Theory, International Finance Section, Department of economics, Princeton University, 1961
4. Krugman P.R. and –M. Obstfeld, International Economics Theory and Policy, Addison- Wesley, Delhi, 2000
5. Salvatore D., International Economics, John Wiley and Sons, Singapore 2002
6. Sodersten Bo and R. Geoffrey, International Economics, Macmillan, London, 1994

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Classical and Neoclassical Theories of Trade	Chalk and Talk, AV resources	15
II	Modern Trade Theory	Chalk and Talk, AV resources	15
III	Trade Policy	Chalk and Talk, AV resources	15
IV	Contemporary Regional Trading and WTO	Chalk and Talk, AV resources	15

Nome of the Course	Economics of Human Development	
Class	M.A.	
Semester	III	
Course Code	24_ PAECO302	
No. of Credits	04	
Nature	Theory/ Practical/ Project/ other (please specify)	
Type	Choose from these types Major (Mandatory / Elective) Core (Non NEP), Major (Mandatory / Elective) / Minor SEC / VSC / OE / AEC / VEC / RM	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Awareness on the concepts and dimensions of Human Development. CO2- Enable to understand the relevance of Human Development Indices.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Concepts of Human Development	1.1 Comparison of growth & development 1.2 Perspectives on development 1.3 Human development basic needs v/s quality of life approach 1.4 Capability approach 1.5 Millennium Development Goals v/s Sustainable Development Goals.
II	Dimensions of Human Development	2.1 Empowerment, equity, sustainability, security 2.2 Productivity and participation: role of freedom in promoting human development. 2.3 Multi- dimensionality of poverty: concept of inclusive growth and obstacles to achieve it 2.4 Government policy to promote human development with respect to education and health care.
III	Human Development Indices	3.1 Need for Indices, GDP, and Physical quality of life index (PQLI) 3.2 Disability Adjusted Life Years (DALY) 3.3 Social Capability Index 3.4 Human Development Index, 3.5 Human Poverty Index 3.6 Gender Related Development Index (GDI) 3.7 Gender Empowerment Measure comparative analysis for the past three years.
IV	Aspects of Human Development	4.1 Livelihood, Inequality, Gender 4.2 Child Labour 4.3 Aging Population, 4.4 Poverty Alleviation 4.5 Food Security, Environment 4.6 Displacement and Migration

		4.7 Education and Health 4.8 Workers in informal Sector 4.9 Need for Social Security- Role Conflict between ILO and WTO 4.10 Concept of Human Security.
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Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Chelliah Raja J. and R. Sudarshan (ed), Income Poverty and Beyond: Human Development in India, UNDP, Social Science Press, New Delhi 1999.
2. Comim F.M. Qizilbash and S. Alkire (eds), The Capability Approach: Concepts, Measures and Applications, Cambridge Uni. Press, Cambridge, 2007.
3. Dev S. Mahendra, P. Antony, V. Gayathri and R.P. Mamgain, Social Economic Security in India, Institute for Human Development, New Delhi 2001
4. International Labour Organization, A Fair Globalization: Creating Opportunities for All, World Commission on the Social Dimension of Globalization, Geneva, 2004.
5. United Nations Development Programme (UNDP) : Human Development Reports
6. UNDP – India, State Human Development Reports

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Concepts of Human Development	Chalk and Talk, AV resources	15
II	Dimensions of Human Development	Chalk and Talk, AV resources	15
III	Human Development Indices	Chalk and Talk, AV resources	15
IV	Aspects of Human Development	Chalk and Talk, AV resources	15

Nome of the Course	Economics of Agriculture
Class	M.A.
Semester	III
Course Code	24_ PAECO303
No. of Credits	04
Nature	Theory
Type	Major (Mandatory / Elective)

Course Outcomes:

At the end of the Course, the Learner will be able to

CO1- Enhances Knowledge on the process of development of agriculture in an emerging economy.

CO2- It throws light on the role and the policies as well as the competitiveness of the agricultural sector.

Syllabus:

Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction: Nature and Scope of Agriculture	1.1 Nature and Scope of Agriculture Economics 1.2 Role of Agriculture in Economic Development 1.3 Crop Pattern in India 1.4 Agricultural Productivity 1.5 Causes for Low Agricultural Productivity -Remedial Measures 1.6 Risk and Uncertainty in Agriculture
II	Changing Perspective in Agriculture	2.1 Changing Perspective in Indian Agriculture 2.2 Management of Integrated Farming 2.3 Organic Farming- Contract Farming 2.4 Argo Process Industries: Scope, Problems and Measures 2.5 Water Management: Efficiency and Irrigation Tools 2.6 Water Sources for Irrigation and Challenges
III	Agriculture Extension and Developments	3.1 Mission on Agricultural Extension (SMAE) 3.2 Support to State Extension Programmes for Extension Reforms Scheme(ATMA Scheme) 3.3 Use of ICT, Mass Media Support to Agricultural Extension 3.4 Natural Resource Management 3.5 Agricultural Innovations and Mechanization 3.6 New Methods of Cultivation 3.7 Agro Tourism and Policy Measures.
IV	Agriculture Trade Policy, Promotion and Logistics Development	4.1 India's Agriculture foreign Trade 4.2 Foreign Direct Investment (FDI) Policy in the Agriculture Sector 4.3 Export Promotion Forum (EPF) 4.4 Food & Agriculture Organization (FAO) 4.5 International Fund for Agricultural Development (IFAD) 4.6 Agriculture infrastructural development program and its evaluation 4.7 Agri-logistics in India: Challenges and Emerging Solutions

Prescribed Text/s (If any):**Other Learning Resources recommended:**

1. B. D. Dhawan, Indian Water Resource Development for Irrigation: Issues, Critics, Reviews.
2. Ashok K. Mitra, Irrigation Reforms EPW Vol. XXXII No. 13, March 29, 1997.
3. Mellor John W., the Economics of Agricultural Development, Cornell University Press, New York.
4. M. L. Dantwala et al, Indian Agricultural Development since Independence: A Collection of Essays, Oxford and IBH Publishing Company, New Delhi.
5. S. Narayan, Organic Farming in India: Relevance, Problems and Constraints, NABARD Occasional Paper 38.
6. Annual Report 2020-21, Department of Agriculture, Cooperation & Farmers' Welfare Ministry of Agriculture & Farmers' Welfare Government of India Krishi Bhawan, New Delhi-110 001

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction: Nature and Scope of Agriculture	Chalk and Talk, AV resources	15
II	Changing Perspective in Agriculture	Chalk and Talk, AV resources	15
III	Agriculture Extension and Developments	Chalk and Talk, AV resources	15
IV	Agriculture Trade Policy, Promotion and Logistics Development	Chalk and Talk, AV resources	15

Nome of the Course	Computer Application in Economics	
Class	M.A.	
Semester	III	
Course Code	24_ PAECO304	
No. of Credits	02	
Nature	Theory/Practical	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Acquire the basic knowledge of Computer and Data Information.		
CO2-Enable the learners to acquaint the soft wares like Excel and SPSS which are essential for research.		
CO3-Make the learners more able to handle real data with confidence by applying Econometric methods of analysis to new circumstances.		
CO4- develop the skills of using more scientific tools based on computers for economic analysis, research and forecasting.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Text Processing,	1.1 Introduction to Text Processing- 1.2 Word Processor: Meaning, Uses and Advantages; 1.3 Popular Word Processing Packages; 1.4 Features of MS-Word: Getting Started, Creating and Saving a document, Editing, Page Setting and Formatting the text and Printing the Document.
	Spreadsheet Software and Internet	2.1 Spreadsheet Software: Meaning, Advantages and application areas; 2.2 Features of MS-Excel: Entering Information; saving workbooks, Commands like creating deleting and copying rows and columns, Create store 2.3 SPSS: Data Entry, Define variable, Frequency Distribution, Cross tabulation
II	Descriptive Statistics	3.1 Central Tendency: Meaning, concept and objectives 3.2 Measures of Central Tendency: Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean 3.3 Growth Rates: Simple Growth Rate and Compound Growth Rate 3.4 Diagrammatic Presentation of Data: Line Graph, Bar Diagram, Frequency and Polygon, Histogram, Pie Chart, and Ogive Curve
Prescribed Text/s (If any):		

Other Learning Resources recommended:

1. Dhanasekaran. K (2013) Computer applications in Economics, Vrinda Publications Pvt. Ltd.
2. Elhance, D. N. (1962), Fundamentals of Statistics, KitabMahal, Allahabad.
3. Gupta, S. C. (1981), Fundamentals of Statistics, Himalaya Publishing House, Bombay.
4. N. M. Downie and R. W. Heath (1970), Basic Statistical Methods, Harper and Row, New York.
5. Rajaram,V, (1996), Fundamentals of Computers, Prentice Hall of India, New Delhi.
6. Sanders, D. H. (1988), Computer Today, McGraw Hill, New York.
7. Sinha, P. K. (1992), Computer Fundamentals, BPB Publications, New Delhi.
8. Yamane, Taro (1973), Statistics, An Introductory Analysis, Harper and Row (India) and John Weatherhill Inc., Tokyo

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures / Practical
I	Text Processing,	Talk, chalk and Practical	Lectures -5 Practical -5
II	Spreadsheet Software and Internet	Talk, chalk and Practical	Lectures -5 Practical -5
III	Descriptive Statistics	Talk, chalk and Practical	Lectures -5 Practical -5
Total			30

Nome of the Course	Indian Economy
Class	M.A.
Semester	III
Course Code	24_ PAECO305
No. of Credits	04
Nature	Theory
Type	Major (Mandatory / Elective)

Course Outcomes:

At the end of the Course, the Learner will be able to

CO1- Know the introductory part of Indian Economy.

CO2- Assess the infrastructure and Human Development of India.

CO3 –Analyse the industry and FDI in India

CO4- Examine the agricultural sector in India.

Syllabus:

Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction of Indian Economy	1.1 Features and Characteristics of the Indian Economy 1.2 Trends and Structure 1.3 Demographic features 1.4 National income trend since in 1991 1.5 d Structural Change in the Indian Economy 1.6 Poverty, inequality and policy implications.
II	Infrastructure and Human Development	2.1 Energy; Conventional and Non-Conventional energy development in India 2.2 Energy policy 2.3 Social infrastructural developments- Education and Health 2.4 Recent debates on Human Development in India; Concept and Measurement.
III	Industry and FDI	3.1 Industrial Profile of India - Private Sector, Large, Medium and Small Scale Industries, Village Industries, 3.2 Role and Problems of Public Sector Industries 3.3 Small-scale and cottage industries in India 3.4 SMEs in India. 3.5 Recent trends in Industrial growth. 3.6 Industrial sickness, Exit policy 3.7 Role of BIFR 3.8 Impact of Globalization: Trends and pattern of FDI in India 3.9 Export and import component of Indian industrial sector 3.10 Industrial Combinations; Causes, Mergers & Amalgamations.
IV	Agricultural Sector	4.1 Agricultural Production and Productivity issues 4.2 land reforms in India 4.3 technological change in agriculture

		4.5 agricultural Price policy 4.6 Terms of trade between agriculture and industry 4.7 Agricultural finance policy 4.8 Agricultural Marketing and Warehousing 4.9 Issues in food security 4.10 Policies for sustainable agriculture.
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Prescribed Text/s (If any):

Other Learning Resources recommended:

- 1 Agarawal A.N. (2006): Indian Economy: Problems of Development and Planning, A Division of New Age International (P): Limited, New Delhi.
- 2 Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Dev University Press, Amritsar.
- 3 Brahmananda, PR. And V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-state Perspectives, Book well, Delhi.
- 4 Dutt R and KPM Sundharam (2002): Indian Economy: S. Chand New Delhi.
- 5 Misra S.K. and V.K. Puri, (2020): Indian Economy, Himalaya, Publishing house, Mumbai.
- 6 Uma Kapila (2019): Indian Economy-Since Independence-17th Edition, Academic Foundation.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Characteristics of Indian Economy	Chalk and Talk, AV resources	15
II	Infrastructure and Human Development	Chalk and Talk, AV resources	15
III	Industry and FDI	Chalk and Talk, AV resources	15
IV	The Agricultural Sector	Chalk and Talk, AV resources	15

Nome of the Course	Econometrics	
Class	M.A.	
Semester	III	
Course Code	24_ PAECO306	
No. of Credits	04	
Nature	Theory	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- To draw inferences and solve research problems using advanced econometric techniques.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Theory of Probability	1.1 Basic concepts and definitions of probability 1.2 Laws of addition and multiplication 1.3 Conditional probability 1.4 Bay's theorem (statement) 1.5 Binomial, Poisson and Normal Distribution The Law of Large Numbers (without proof).
II	Index Numbers	2.1 Problems and methods of construction of various types of indices -Laspeyer's, Pasche's and Fisher's ideal index numbers 2.2 Tests for adequacy of index numbers: Time reversal, factor reversal and circular tests, chain base indices, base shifting splicing and deflating the index nos., costs of living index numbers and consumer price index numbers 2.3 New CPI of India, Estimation of CPI food, Fuel etc using the method of exclusion.
III	Classical Linear Regression Model	3.1 The classical linear regression model: Simple Linear Regressions and Multiple linear Regressions, Properties of estimators, Estimation and hypothesis testing 3.2 Interpreting regression coefficients 3.3 R ² and adjusted R ² , F and t values in regression 3.4 Assumption and violation of the assumptions of Classical Linear Regressions Models, 3.5 Interval estimation and hypothesis testing 3.6 Problem of autocorrelation, Heteroskedasticity, Multicollinearity.
IV	Time Series Analysis	4.1 Testing for unit root 4.2 Cointegration and Error Correction Models 4.3 Granger causality 4.4 ARDL models, ARIMA Model, ARCH and GARCH Models.

Prescribed Text/s (If any):**Learning Resources recommended:**

1. Chiang A. C.: Fundamental Methods of Mathematical Economics, 3rd edition, McGraw-Hill, 1984.
2. Dowling Edward T: Introduction to Mathematical Economics, Schaum Outline Series in Economics, Tata McGraw -Hill, New Delhi, 2004.
3. Green W H, Econometric Analysis, eighth edition.
4. Gujarati D: Econometrics: by Examples, Palgrave Macmillan, 2011
5. Gupta S.C. Fundamentals of Statistics S. Chand & Sons New Delhi (1993)
6. Kennedy P.: A Guide to Econometrics, sixth edition, Wiley Blackwell edition, 2008

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Theory of Probability	Chalk and Talk, AV resources	15
II	Index Numbers	Chalk and Talk, AV resources	15
III	Classical Linear Regression Model	Chalk and Talk, AV resources	15
IV	Time Series Analysis	Chalk and Talk, AV resources	15

***Syllabus of Courses of Master of Arts (M.A.) Programme at
Semester III
with Effect from the Academic Year 2024-25***

Name of the Course	RESEARCH PROJECT
Course Code	24_PARPECO307
Class	M.A
Semester	III
No of Credits	04
Nature	Practical
Type	Research Project
Relevance with Employability/ Entrepreneurship/ Skill development	The research project outcomes for M.A. students, encompassing research methodologies, statistical analysis, econometric techniques, and financial management strategies, are highly relevant for both employability and entrepreneurship. Proficiency in these areas enhances analytical and problem-solving skills, making graduates valuable assets to employers in various fields. For entrepreneurs, these skills are crucial for informed decision-making, market analysis, and effective business planning, contributing to the success and sustainability of their ventures in a dynamic business environment.

Inclusion of project work in the course curriculum of the M.A. programme is one of the ambitious aspects 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 counselling sessions and make the awareness among the learners about the methodology of formulation, preparation and evaluation pattern of the project work.

Marks: 60 (Research Project); 40 (Project Viva): Total 100 Credits: 4

Course Outcomes

At the end of the Course, the Learner will be able to

1. Identify the research problem and formulate objectives
2. Choose appropriate methodology with proper tools and techniques
3. Analyze and interpret the data collected from different sources.
4. Make decision or find out conclusions on the basis of data analysis
5. Recall and list key research paradigms and methodologies in the subject.
6. Explain the principles of statistical analysis and their application in subject of research.
7. Develop new business models which can be practically implemented

Guidelines for preparation of Research Project Work

1. Research Project can be undertaken on any Major subject or Interdisciplinary subject.
2. Research Project can be based on primary data or secondary data.
3. The Research Project should be prepared under the guidance of the Project Guide.

4. The Research Project shall contain at least five chapters as follows:
Chapter I: Introduction & Research Methodology
Chapter II: Literature Review
Chapter III: Profile of Study Area/ Organization
Chapter IV: Data Analysis, Interpretation and Presentation
Chapter V: Conclusions and Suggestions
5. Project Work will be done by the student individually. Project Work, which is interdisciplinary in nature or have higher level of research activity, can be done by group of students with the prior permission of their respective Head of Departments.
6. The Research Project shall consist of 40 to 60 Pages.
7. Two Copies of typed Research Projects should be submitted through the concerned college as per the schedule provided by the college.
8. All P.G. Teachers under the Department / Faculty are eligible to work as Project Guide.
9. The Responsibility of guiding the projects will be shared by all P.G.Teachers in proportion.
10. Project viva shall be conducted by the panel of examiners.

For this purpose, the following points may be kept in mind while assessing the project reports:

- a. The panel of experts should try to verify that the candidate has done the project on his own and also identify his/her insight in the research problem concerned. The quality of the work should be evaluated on the basis of novelty, use of research methodology, contribution to the society or business and developing critical thinking, analytical thinking and decision-making skills of students.
- b. Research Project report will be examined by the Internal Examiner, who will allot 60 marks for the same.
- c. Panel of Viva-Voce examination will consist of Internal and External examiners. The evaluation of Viva Voce for 40 marks will be made collectively by Internal and External Examiners
- d. The viva voce examination shall be conducted as per scheduled of the College.

Structure to be followed to maintain the uniformity in formulation and presentation of Project Work

(Model Structure of the Project Work)

Chapter I: Introduction & Research Methodology

In this chapter Selection and relevance of the problem, historical background of the problem, brief profile of the study area, definition/s of related aspects, characteristics, different concepts pertaining to the problem etc can be incorporated by the learner.

This chapter also Research Methodology which will include Objectives, Hypothesis, Scope of the study, limitations of the study, significance of the study, Selection of the problem, Sample size, Data collection, Tabulation of data, Techniques and tools to be used, etc can be incorporated by the learner.

Chapter II: Literature Review

This chapter will provide information about studies done on the respective issue. This would specify how the study undertaken is relevant and contribute for value addition in information/ knowledge/ application of study area which ultimately helps the learner to undertake further study on same issue.

Chapter III: Profile of Study Area/ Organization

This chapter describe the information about the study area or Organisation. It includes the Background part & Overall information about the Research area

Chapter IV: Data Analysis, Interpretation and Presentation

This chapter is the core part of the study. The analysis pertaining to collected data will be done by the learner. The application of selected tools or techniques will be used to arrive at findings. In this, table of information's, presentation of graphs etc can be provided with interpretation by the learner.

Chapter V: Findings, Suggestions & Conclusions

In this chapter of project work, findings of work will be covered and suggestion will be enlisted to validate the objectives and hypotheses.

Note: If required more chapters of data analysis can be added.

Bibliography

Appendix

Rubric for Evaluation of Research Project (60 Marks)

Evaluator: Internal Examiner

Criteria	Marks	Excellent (10-9)	Good (8-7)	Satisfactory (6-5)	Needs Improvement (4-0)
Problem Identification & Objectives	10	Clearly defined problem with strong rationale and well-framed objectives	Clear problem statement, objectives mostly aligned	Problem statement and objectives somewhat unclear	Vague or poorly defined problem and objectives
Research Methodology	10	Appropriate research design, well-defined scope, hypothesis, sample size, and data collection methods	Methodology mostly appropriate, minor gaps in execution	Some weaknesses in research design and data collection	Major flaws in research design or insufficient details
Literature Review	10	Comprehensive, well-organized, and critically analyzed existing literature	Covers relevant literature but lacks depth in analysis	Limited review with some missing key references	Weak or insufficient literature review
Data Analysis & Interpretation	10	Effective data presentation, well-interpreted findings using relevant techniques	Data presented well but minor inconsistencies in interpretation	Some data analysis present but lacks depth	Poor data analysis, incorrect or incomplete interpretation
Findings, Conclusion & Suggestions	10	Strong conclusions supported by data, relevant suggestions	Good conclusions but minor gaps in linking with analysis	Some conclusions drawn but weak support from data	No clear findings, weak or missing conclusions
Report Structure & Presentation	10	Well-structured, clear formatting, proper citations, free from errors	Mostly well-organized with minor formatting issues	Some formatting issues, minor errors	Poorly structured, frequent errors, lacks coherence

Rubric for Viva-Voce (40 Marks)

Evaluators: Internal & External Examiners

Criteria	Marks	Excellent (10-9)	Good (8-7)	Satisfactory (6-5)	Needs Improvement (4-0)
Understanding of Research	10	Demonstrates deep understanding and strong grasp of concepts	Good understanding but some gaps in explanation	Basic understanding with minor misconceptions	Lacks clarity, weak understanding
Application of Research Methods	10	Clearly explains methodology, tools, and techniques used	Good explanation with minor gaps	Partial understanding, some incorrect methodology usage	Poor explanation, lacks knowledge of methodology
Data Interpretation & Critical Thinking	10	Strong analytical skills, justifies findings effectively	Good analysis but lacks depth in some areas	Some analysis done but lacks proper justification	Weak interpretation, poor analytical skills
Communication & Presentation Skills	10	Clear, confident, well-structured responses	Good communication with minor hesitation	Some difficulty in expressing ideas clearly	Lacks confidence, poor articulation

Syllabus for Master of Arts in Economics for the year 2024-25

Semester- IV

Nome of the Course	Money and Banking	
Class	M.A.	
Semester	IV	
Course Code	24_ PAECO401	
No. of Credits	04	
Nature	Theory	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1-Understand the role and functions of money in the economy.		
CO2- Analyze the structure and operations of banking systems, including both traditional banks and non-bank financial institutions.		
CO-3 Evaluate the historical evolution and functions of commercial banks, as well as the role of central banking systems.		
CO-4 Assess the significance of development banking and reforms in shaping the modern banking sector.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Money	1.1 Introduction, Definition, function and Evolution of Money 1.2 Nature and Significance of Money 1.3 Kinds of Money 1.4 Monetary Standards 1.5 The 'H' Theory of Money Supply. Crypto currency: Mining and Futures
II	Banking System and Theory of Banks and Non-Banks	2.1 Group Banking and Chain Banking, Unit Banking, Mixed Banking and Correspondent Banking - Advantages and Disadvantages. 2.2 Banking in United Kingdom: Origin, Banking System and Structure, Bank of England and Evolution of Central Banking, Structure, Management and Functions of Bank of England. 2.3 Banking in United States of America: Introduction, Commercial Banking in USA, Federal Reserve System, Other Financial institutions , Credit Control Devices, 2.4 E.S.Shaw, Gurley - Shaw Thesis of Non-Bank Financial Institutions (NBFIs).
III	Development of Commercial Banks	3.1 Introduction of Commercial Banks 3.2 Evolution of Modern Banking System 3.3 Structure of Commercial Banking System, Importance,

	and the Central Banking System	Functions, Process of Credit Creation. 3.4 Central Banking System: Definition, Changing Concepts of Central Banking, 3.5 Objectives and Measures of Central Banks , Functions of Central Bank 3.6 Role of Central Banks in Developing Countries: Regulatory and Promotional Role 3.7 State Ownership of Central Bank
IV	Development Banking and Banking Sector Reforms	4.1 Structure of Banking System in India 4.2 Introduction of Development Banking - Development Finance Institutions 4.3 Non-Bank Financial Institutions (NBFIs) 4.4 Banking Sector Reforms 4.5 Brief review of Banking Legislation 4.6 Narasimham Committee Reports 4.7 Post Reform Scenario-Basel norms I, II and III

Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Basu A.K, (1967), Fundamentals of Banking Theory and Practice, Fourth Edition, Mukerji, Calcutta.
2. Bedi H.L and Hardikar, (2001) Practical Banking Advances, UBS Publishers, 10th edn. New Delhi.
3. Desai Vasant (2017), Development Banking and Financial Intermediaries, Himalaya Publishing House, Mumbai
4. M. Y. Khan (2011), Indian Financial System, Tata McGraw Hill, 7th edition, New Delhi.
5. Mithani and Gordon, (2016), Banking Theory and Practice, Himalaya Publishing House, Mumbai.
6. Srivastava P K. (2020), Banking Theory and Practice, Himalaya Publishing House, Mumbai.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Money	Chalk and Talk, AV resources	15
II	Banking System and Theory of Banks and Non-Banks	Chalk and Talk, AV resources	15
III	Development of Commercial Banks and the Central Banking System	Chalk and Talk, AV resources	15
IV	Development Banking and Banking Sector Reforms	Chalk and Talk, AV resources	15

Nome of the Course	Environmental Economics	
Class	M.A.	
Semester	IV	
Course Code	24_ PAECO402	
No. of Credits	04	
Nature	Theory	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- understand the conceptual framework of environmental economics. CO2- It equips students to solve issues related to the environmental field. CO3- It empower students to handle Environmental sustainability projects.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Environmental Economics	1.1 Types of goods and services- public, private and common pool resources 1.2 externalities and market failure 1.3 Pollution as a Public Bad 1.4 The equi-marginal principle 1.5 Economic efficiency versus equity 1.6 Damage functions and abatement costs Coase Theorem
II	Environmental impact assessment	2.1 Valuation of Natural Resources 2.2 Direct and Indirect Methods 2.3 Environmental impact assessment 2.4 Regional, National and Supranational dimensions of environmental degradation 2.5 Global Externalities and Climate Change.
III	Economic Growth and the Environment	3.1 Limits to growth and Sustainable Development 3.2 Economic Growth and environment 3.3 Environmental Kuznets Curve 3.4 Environment as an economic and social good/asset Natural Resource (Exhaustible, renewable, common property resources) 3.5 Green Accounting.
IV	Environmental Policy and Practices	4.1 Approaches to environmental policy- Command and control, Environmental Standards, Technology Mandates, 4.2 Market based instruments - Taxes, subsidies, liability instruments tradable permits; 4.3 Kyoto Protocol 4.5 Rio debate- Relevant Case Studies
Prescribed Text/s (If any):		
Other Learning Resources recommended:		
1. Dixon, J. A., and M. M. Hufschmidt, eds. (1986): Economic valuation techniques for the environment: A case study workbook. Baltimore: Johns Hopkin University.		
2. Field B.C. (1997): Environmental Economics- An Introduction, McGraw-Hill		

International Edition, Singapore.

3. Hodge Ian (1995): Environmental Economics, MacMillan Press Ltd., London.
4. Jeroen C.J.M. van den Bergh (2002): Handbook of Environmental and Resource Economics, Edward Elgar Publishing.
5. Jinhua Zhao and Tony Fisher: Notes on Irreversibility, Sustainability and the Limits to Growth, <http://econpapers.repec.org/paper/isugenres/default22.htm>
6. Kolstad Charles (2006): Environmental Economics, Oxford University Press, USA.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Environmental Economics	Chalk and Talk, AV resources	15
II	Environmental impact assessment	Chalk and Talk, AV resources	15
III	Economic Growth and the Environment	Chalk and Talk, AV resources	15
IV	Environmental Policy and Practices	Chalk and Talk, AV resources	15

Nome of the Course	Economics of Rural Development
Class	M.A.
Semester	IV
Course Code	24_ PAECO403
No. of Credits	04
Nature	Theory
Type	Major (Mandatory / Elective)

Course Outcomes:

At the end of the Course, the Learner will be able to

CO1- Acquire knowledge of the introductory aspects of rural development.

CO2- Examine the approaches to rural development.

CO3-Analise the diversification of rural economy.

CO4 – Assess the rural empowerment programmes have initiated by the government to overcome the problems of rural development.

Syllabus:

Unit No.	Unit Title	Sub titles (Learning Points)
I	Rural Development: Introductory Aspects	1.1 Concept, Nature and Scope of Rural Development 1.2 Charactersties of the Rural Economy 1.3 Objectives and Importance of Rural Development The problems of Rural Development in India
II	Approaches to Rural Development	2.1 Gandhian Approach 2.2 Rural Reconstruction Approach 2.3 Community Development Approach 2.4 Sectoral Approach, Participatory Approach 2.5 Area- Specific and Target Group Oriented Approach 2.6 Integrated Rural Development and Economic Development with Social Justice Approach
III	Diversification of Rural Economy	3.1 Livestock economics 3.2 Dairy Development 3.3 Social Forestry 3.4 Agro-Based Industries: Problems & Remedial Measures 3.5 Role of KVIC in Rural Development 3.6 Recent Development of Science & Technology in Rural Development.
IV	Rural Empowerment Programmes	4.1 An Overview of Rural Development Programmes: Provisions of Urban Amenities in Rural Area (PURA), Rural Employment: Mahatma Gandhi National Rural Employment Guarantee Act-2005 (MGNREGA) 4.2 Rural Livelihoods: Deendayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM) 4.3 National Social Assistance Programme (NSAP), Microfinance and Self-help Groups

Prescribed Text/s (If any):

Other Learning Resources recommended:

1. Thomas William and A.J. Christopher (2011), Rural Development: Concept and Recent Approaches, Rawat Publication, Jaipur.
2. Annual Report 2019-20, 2018-19 & State performance report-2018-19 and Action plan 2019-20, Volume-I, Ministry of Rural Development, Department of Animal Husbandary & Dairying, Government of India, New Delhi.
3. Datt & Sundharam (2012), Indian Economy, S. Chand & Company LTD. Mumbai.
4. Desai Vasant (2012), Rural Development in India, Himalaya Publishing House, Mumbai.
5. Dr. I. Satya Sundaram (2002), Rural Development, Himalaya Publishing House, Mumbai. Page No. 3 to 24
6. Eleventh Five Year Plan 2007-12, Planning Commission, Government of India, New Delhi

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Rural Development: Introductory Aspects	Chalk and Talk, AV resources	15
II	Approaches to Rural Development	Chalk and Talk, AV resources	15
III	Diversification of Rural Economy	Chalk and Talk, AV resources	15
IV	Rural Empowerment Programmes	Chalk and Talk, AV resources	15

Nome of the Course	Economics of Entrepreneurship	
Class	M.A.	
Semester	IV	
Course Code	24_ PAECO404	
No. of Credits	04	
Nature	Theory	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to CO1- Acquire knowledge about entrepreneurship. CO2- Analyse the business plan and project management. CO3- Examine the institutional support to entrepreneurs. CO4- Evaluate the recent trends in entrepreneurship and setting up small enterprises.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Introduction to Entrepreneur	1.1 Definitions and Characteristics of an Entrepreneur 1.2 Nature and Importance of Entrepreneurship 1.3 Functions of an Entrepreneur 1.4 Types of Entrepreneurs 1.5 Entrepreneur and Economic Development Factor influences on Entrepreneurship Development
II	Business Plan and Project Management	2.1 Meaning and concept of business plan 2.2 Key elements of business plan 2.3 Project identification, Sources of Finance for the Project 2.4 Project selection, Formulation of Project Report (specimen) 2.5 Project appraisal.
III	Institutional Support to Entrepreneurs	3.1 Institutional support to Entrepreneurship Role of Directorate of Industries 3.2 District Industries Centers (DICs) 3.3 Industrial Development Corporation (IDC) 3.4 State Financial corporation (SFCs) 3.5 Small Scale Industries Development Corporations (SSIDCs) 3.6 Khadi and village Industries Commission (KVIC) 3.7 National Small Industries Corporation (NSIC) 3.8 Small Industries Development Bank of India (SIDBI)
IV	Recent Trends in Entrepreneurship and Setting up Small Enterprises	4.1 Recent Trends and Concepts in Entrepreneurship: Start up, Stand up, Skill India, Make in India 4.2 Definition, Importance, Problems of MSME and Remedies, Government Policy and Support 4.3 Formation of Small Enterprises- Location, Clearances, and Permits required, Formalities, Licensing and Registration Procedure.
Prescribed Text/s (If any):		

Other Learning Resources recommended:

1. Khanka C.S., Entrepreneurial Development, S. Chand and Company
2. Gupta C.B. , Entrepreneurial Development, S. Chand and Company
3. Sarvate Dilip, Entrepreneurial Development, Concepts and Practices, Everest Prakashans.
4. Rathore B.S., Entrepreneurial Opportunities in Modernizing Economy, Abhishek Publications.
5. Desai Vasant, Dynamics of Entrepreneurial Development and Management, Himalaya Publications.
6. Lall Madhumira and SahaiShikha, Entrepreneurship, Excel Books
7. Bhandari Ramesh, Entrepreneurship and Women in Empowerment, Alfa Publications.
8. Seth Amita, Entrepreneurship and E Business Development for Women, ALB Books
9. G.Barani, Performance of Women Entrepreneurs, Serials Publications New Delhi
10. Singh P.N. and Saboo J.C., Entrepreneurship Management, P.N.Singh Centre
11. Tiwari Sanjay and Tiwari Anushija, Entrepreneurship Development in India, Swarup and Sons.

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Introduction to Entrepreneur	Chalk and Talk, AV resources	15
II	Business Plan and Project Management	Chalk and Talk, AV resources	15
III	Institutional Support to Entrepreneurs	Chalk and Talk, AV resources	15
IV	Recent Trends in Entrepreneurship and Setting up Small Enterprises	Chalk and Talk, AV resources	15

Nome of the Course	Quantitative Economics	
Class	M.A.	
Semester	IV	
Course Code	24_ PAECO405	
No. of Credits	04	
Nature	Theory	
Type	Major (Mandatory / Elective)	
Course Outcomes:		
At the end of the Course, the Learner will be able to		
CO1- Apply mathematical techniques to solve complex economic problems.		
CO2- Analysis the differential and integral calculus.		
CO3- Examine the matrices and determinants.		
CO4- Evaluate the difference equations.		
CO5 – Analyse the Linear Programming.		
Syllabus:		
Unit No.	Unit Title	Sub titles (Learning Points)
I	Differential and integral calculus	1.1 Derivative of a function: addition, multiplication and Chain rule 1.2 Second and Higher Order Differentiation 1.3 Concavity and convexity of functions Simple rules of indefinite integration, and definite integration and their applications.
II	Matrices and Determinants	2.1 Matrices: Inverse of a matrix– Solution of simultaneous equations using matrices (Cramer’s Rule) Transpose, Trace, Adjoint and Inverse of Matrix 2.2 Determinants: Types and Properties, 2.3 Rank of a Matrix, Application of Matrices in Economics: Input-Output Analysis 2.4 Hawkins-Simon Conditions
III	Difference Equations	3.1 Solving first-order difference equations – Application of first-order difference equations to financial problems 3.2 The cobweb model 3.3 Second-order difference equations 3.4 economic applications o f second 3.5 order difference equations – Applications of difference equations 3.6 Growth models and lagged market equilibrium mode
IV	Linear Programming	4.1 Basic concept, formulation of a linear programming problem Its structure and variables 4.2 Nature of feasible, basic and optimal solution 4.3 Solution of linear programming through graphical and simplex method 4.4 Statement of basic theorems of linear programming 4.5 Formulation of the dual of a programme and its interpretation 4.6 Shadow prices and their uses.

Prescribed Text/s (If any):**Other Learning Resources recommended:**

1. Chiang A. C.: Fundamental Methods of Mathematical Economics, 3rd edition, McGraw-Hill, 1984.
2. Dowling Edward T: Introduction to Mathematical Economics, Schaum's Outline Series in Economics, Tata McGraw -Hill, New Delhi, 2004.
3. Lerner Joel J and P. Zima: Theory and Problems of Business Mathematics, McGraw Hill, New York, 1986.
4. Mehta and Madnani: Mathematics for Economists, Sultan Chand & Sons, 2013.
5. Soni R S: Essential Business Mathematics & Business Statistics, Ane Books Pvt. Ltd, 2009.
6. Handry, A.T. (1999), Operations Research, PHI, New Delhi

Teaching Plan:

Unit No.	Unit Title	Teaching Methods	No. of Lectures
I	Differential and integral calculus	Chalk and Talk, AV resources	15
II	Matrices and Determinants	Chalk and Talk, AV resources	15
III	Difference Equations	Chalk and Talk, AV resources	15
IV	Linear Programming	Chalk and Talk, AV resources	15

***Syllabus of Courses of Master of Arts (M.A.) Programme at
Semester IV
with Effect from the Academic Year 2024-25***

Name of the Course	RESEARCH PROJECT
Course Code	24_PARPECO406
Class	M.A
Semester	IV
No of Credits	6
Nature	Practical
Type	Research Project (RP)
Relevance with Employability/ Entrepreneurship/ Skill development	The Research Project outcomes for M.A. students, encompassing research methodologies, statistical analysis, econometric techniques, and financial management strategies, are highly relevant for both employability and entrepreneurship. Proficiency in these areas enhances analytical and problem-solving skills, making graduates valuable assets to employers in various fields. For entrepreneurs, these skills are crucial for informed decision-making, market analysis, and effective business planning, contributing to the success and sustainability of their ventures in a dynamic business environment.

Inclusion of Research Project in the course curriculum of the M.A. programme is one of the ambitious aspects in the programme structure. The main objective of inclusion of Research Project project 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 counselling sessions and make the awareness among the learners about the methodology of formulation, preparation and evaluation pattern of the project work.

Marks: 90 (Research Project); 60 (Project Viva): Total 150 Credits: 6

Course Outcomes
<ol style="list-style-type: none"> 1. Identify the research problem and formulate objectives 2. Choose appropriate methodology with proper tools and techniques Advanced Research hypothesis testing methods should be used (e.g T test, ANOVA, Chi-square, etc.) 3. Analyze and interpret the data collected from different sources. 4. Make decision or find out conclusions on the basis of data analysis 5. Recall and list key research paradigms and methodologies in the subject. 6. Explain the principles of statistical analysis and their application in subject of research. 7. Develop new business models which can be practically Implemented 8. Apply econometric techniques to analyze real-world business scenarios. 9. Assess the effectiveness of financial management strategies on organizational performance.

Guidelines for preparation of Research Project Research Project t can be undertaken on any Major subject or Interdisciplinary subject.

1. Research Project can be based on primary data or secondary data.
2. The Research Project should be prepared under the guidance of the Project Guide.
3. The Research Project shall contain at least five chapters as follows:
Chapter I: Introduction & Research Methodology
Chapter II: Literature Review
Chapter III: Profile of Study Area/ Organization
Chapter IV: Data Analysis, Interpretation and Hypothesis Testing
Chapter V: Conclusions and Suggestions
4. Research Project will be done by the student individually. Research Project which is interdisciplinary in nature or have higher level research problem can be done by group of students with the prior permission of their respective Head of Departments.
5. The Research Project shall consist of at least 80 Pages.
6. Two Copies of typed Research Project Projects should be submitted through the concerned college as per the schedule provided by the college.
7. All P.G. Teachers under the Department Faculty are eligible to work as Project Guide.
8. The Responsibility of guiding the projects will be shared by all P.G. Teachers in proportion.
9. Project viva shall be conducted by the panel of examiners.
10. Same Topic can be continued from Semester III to Semester IV to cover the larger aspects of the research problem and find solutions

For this purpose, the following points may be kept in mind while assessing the project reports:

a. The panel of experts should try to verify that the candidate has done the Research Project on his own (or in group if allowed) and also identify his/her insight in the research problem concerned. The quality of the work should be evaluated on the basis of novelty, use of research methodology, contribution to the society or business and developing critical thinking, analytical thinking and decision-making skills of students.

b. Research Project report will be examined by the Internal Examiner, who will allot 90 marks for the same.

c. Panel of Viva-Voce examination will consist of Internal and External examiners. The evaluation of Viva Voce for 60 marks will be made collectively by Internal and External Examiners

d. The viva voce examination shall be conducted as per scheduled of the College.

Structure to be followed to maintain the uniformity in formulation and presentation of Project Work (Model Structure of the Project Work)

Chapter I: Introduction & Research Methodology

In this chapter Selection and relevance of the problem, historical background of the problem, brief profile of the study area, definition/s of related aspects, characteristics, different concepts pertaining to the problem etc can be incorporated by the learner.

This chapter also Research Methodology which will include Objectives, Hypothesis, Scope of the study, limitations of the study, significance of the study, Selection of the problem, Sample size, Data collection, Tabulation of data, Techniques and tools to be used, etc can be incorporated by the learner.

Chapter II: Literature Review

This chapter will provide information about studies done on the respective issue. This would specify how the study undertaken is relevant and contribute for value addition in information/ knowledge/ application of study area which ultimately helps the learner to undertake further study on same issue.

Chapter III: Profile of Study Area/ Organization

This chapter describe the information about the study area or Organisation. It includes the Background part & Overall information about the Research area

Chapter IV: Data Analysis, Interpretation and Hypothesis Testing

This chapter is the core part of the study. The analysis pertaining to collected and will be done by the learner. The application of selected tools or techniques will be used to arrive at findings. In this, table of information's, presentation of graphs etc can be provided with interpretation by the learner.

Chapter V: Conclusions and Suggestions

In this chapter of project work, findings of work will be covered and suggestion will be enlisted to validate the objectives and hypotheses.

Note: If required more chapters of data analysis can be added.

Bibliography

Appendix

Rubric for Evaluation of Research Project (90 Marks)

Evaluator: Internal Examiner

Criteria	Marks	Excellent (10-9)	Good (8-7)	Satisfactory (6-5)	Needs Improvement (4-0)
Problem Identification & Objectives	10	Clearly defined problem with strong rationale and well-framed objectives	Clear problem statement, objectives mostly aligned	Problem statement and objectives somewhat unclear	Vague or poorly defined problem and objectives
Research Methodology & Hypothesis Testing	15	Advanced methodology, correct hypothesis formulation, well-defined tools (T-test, ANOVA, Chi-square, etc.)	Good methodology but minor gaps in execution	Some weaknesses in research design and hypothesis testing	Major flaws in research design, insufficient data
Literature Review & Theoretical Framework	10	Comprehensive review, well-organized, critical analysis, clear research gap	Covers relevant literature but lacks depth in analysis	Limited review with missing key references	Weak or insufficient literature review
Profile of Study Area/Organization	10	Clear, relevant, and well-structured description of study area with proper context	Good background, minor gaps in context	Limited or general background with minimal details	Poorly defined study area, lacks clarity
Data Collection & Sampling	10	Proper sampling methods, accurate and reliable data sources	Good data collection but minor inconsistencies	Some gaps in data reliability or sample selection	Weak data collection, insufficient sample size
Data Analysis, Interpretation & Hypothesis Testing	15	Strong analytical approach, correct statistical techniques, clear interpretation	Good analysis but minor errors in statistical application	Some analysis present but lacks depth	Poor data analysis, incorrect hypothesis testing
Findings, Conclusion & Suggestions	15	Strong conclusions based on analysis, innovative recommendations, validated hypotheses	Good conclusions but minor gaps in linking with data	Some conclusions drawn but weak support from data	No clear findings, weak or missing conclusions
Formatting, Report Structure & Citations	5	Well-structured, clear formatting, proper citations, free from errors	Mostly well-organized with minor formatting issues	Some formatting issues, minor errors	Poorly structured, frequent errors, lacks coherence

Rubric for Viva-Voce (60 Marks)

Evaluators: Internal & External Examiners

Criteria	Marks	Excellent (10-9)	Good (8-7)	Satisfactory (6-5)	Needs Improvement (4-0)
Understanding of Research Problem	10	Demonstrates deep understanding and strong grasp of concepts	Good understanding but some gaps in explanation	Basic understanding with minor misconceptions	Lacks clarity, weak understanding
Application of Research Methods & Statistical Tools	15	Clearly explains methodology, hypothesis testing, tools (ANOVA, Chi-square, etc.)	Good explanation with minor gaps	Partial understanding, some incorrect methodology usage	Poor explanation, lacks knowledge of methodology
Data Interpretation & Critical Thinking	15	Strong analytical skills, justifies findings effectively	Good analysis but lacks depth in some areas	Some analysis done but lacks proper justification	Weak interpretation, poor analytical skills
Practical Implications & Models	10	Connects research findings with models or real-world applications	Provides some insights, minor gaps in practical application	Limited practical application of findings	No practical application, or weaker model integration
Communication & Presentation Skills	10	Clear, confident, well-structured responses	Good communication with minor hesitation	Some difficulty in expressing ideas clearly	Lacks confidence, poor articulation

The bounded Research Project 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

Format

1st page (Main Page)

Title of the problem of the Project
A Project Submitted

To

**R. P. Gogate College of Arts & Science and
R.V. Jogalekar College of Commerce (Autonomous), Ratnagiri**

of

Master in Arts

Under the Faculty Arts

By

Name of Student

Under the Guidance of
Name of the Guiding Teacher

**R. P. Gogate college of Arts & Science and
R.V. Jogalekar College of Commerce (Autonomous), Ratnagiri**

Advocate N.V. Joshi Road,
Near Ratnagiri District Court, Ratnagiri

Month and Year

On separate page

Declaration by learner

I the undersigned Miss/Mr. _____
[Name of the learner] here by, declare that work embodied in this Research project work
titled _____ forms my own contribution to the research work carried out under
the guidance of [Name of the guiding teacher] _____ is a
result of my own research work and has not been previously submitted to any other
University or College for any other Degree/ Diploma.

Wherever reference has been made to previous works of others, it has been clearly indicated
as such and included in the bibliography.

I, here by further declare that all information of this document has been obtained and
presented in accordance with academic rules and ethical conduct.

Name and Signature of the learner

Certified by
Name and signature of the Guiding Teacher

On separate page

Acknowledgment

(Model structure of the acknowledgement)

To list who all have helped me is difficult because they are so numerous and the depth is so enormous.

I would like to acknowledge the following as being idealistic channels and fresh dimensions in the completion of this Research project.

I thank the **R. P. Gogate college of Arts & Science and R.V. Jogalekar College of Commerce (Autonomous), Ratnagiri** for giving me opportunity to do this project.

I would like to thank my **Principal, Prof. Dr M. R. Sakhalkar Sir**, for providing the necessary facilities required for completion of this project.

I take this opportunity to thank our Coordinator _____, for his moral support and guidance.

I would also like to express my sincere gratitude towards my project guide _____ whose guidance and care made the project successful.

I would like to thank my College Library, for having provided various reference books and magazines related to my project.

Lastly, I would like to thank each and every person who directly or indirectly helped me in the completion of the project especially my Parents and Peers who supported me throughout my project.

Evaluation Pattern - (04 Credit Course) - Sem- III & IV

A) Continuous Internal Evaluation: Maximum Marks: 40

Method	Marks
Class Test	20
Home assignment, seminar, viva voce, report submission	10
Active class participation and attendance	10
Total	40

B) Semester End Examination: Maximum Marks: 60

Duration: 2 Hours

Marks: 60

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.3 Attempt any two of the following. a,b,c	Unit-I	Essay,	15
Q.2 Attempt any two of the following. a, b,c	Unit-II	Essay	15
Q.3 Attempt any two of the following. a, b,c	Unit- III	Essay	15
Q.4 Attempt any two of the following. a, b,c	Unit- III	Essay	15

Evaluation Pattern – (2 Credit -Computer Application in Economics)

A) Continuous Internal Evaluation: Maximum Marks: 20

Method	Marks
Practical Work and journal summation	20
Total	20

B) Semester End Examination: Maximum Marks: 30

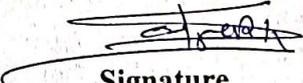
Duration: 1 Hour

Marks: 30

Question No. and Sub questions (If any) (E.g. Q. 1 a) ...	Unit and sub unit (with number and title)	Type of Question (Essay / short note / Objective / Diagram, etc.)	Marks
Q.3 Attempt any one of the following. a or b	Unit-I	Essay	10
Q.2 Attempt any one of the following. a or b	Unit-II	Essay	10
Q.3 Attempt any one of the following. a or b	Unit- III	Essay	10

Date: 8/04/2025

Place: Ratnagiri


Signature

Chairperson and HoD
Dept Of Economics
Gogate- Joglekar College
Ratnagiri