Program Project Report (PPR)

of

Masters of Economics (MA – Economics)

Centre for Distance and Online Education

TEERTHANKER MAHAVEER UNIVERSITY

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PROGRAMME PROJECT REPORT (PPR) – Distance
MA-Economics

1. Introduction:

High-quality management education is essential for the digital age and using technology is powerful way to enhance changing requirements of the corporate, business enterprises and society. Distance MA (Economics) students should be equipped to work across time zones, languages, and cultures. Employability, innovation, theory to practice connectedness is the central focus of this curriculum. The curriculum is designed as such that thestudents can gain an in-depth mastery of the academic disciplines and applied functional areas necessary to meet the requirements of economic enterprises and the industry.

The **Teerthanker Mahaveer University, Moradabad** Distance MA (Economics) Programme imparts knowledge and skill sets to students to achieve this, and face real world challenges. It teaches application of innovative practices to current economic situations. It incorporates analysis of contemporary issues besides providing a strong theoretical foundation. It provides a collaborative learning environment with dedicated faculty to ensure students achieve their full potential. The Programme teaches one to work smartly, take the lead in critical situations, and influence economic decisions more effectively. It teaches one to not only work efficiently, but also shape the economic environment and create opportBlockies for further growth.

The University emphasizes on the following courses *balanced with core and elective courses.* The curriculum of this program emphasizes an intensive, flexible education with total 128 credits. The programme structure and credits for MA (Economics) are finalized based on the stakeholders' requirements and general structure of the programme.

The Distance MA (Economics) Programme is a two-year Programme with inclusion of various specializations, the programme aims at developing focused managers with a strong understanding of their area of specialization, even as the core subjects equip the students with fundamental economic theories and concepts along with less tangible, but equally important soft skills. The Programme is designed to inculcate confidence, improve knowledge, and act as a catalyst in the search for success and growth.

1.1. Programme Mission and Objective:

To offer a high-quality Masters' degree in economics through Distance mode to the students and working professionals to help them to develop managerial and leadership skills to enhance their career prospects in field of economics. The students will be able to move up their career ladder and/or launch out on an entrepreneurial career by understanding the economic environment.

The objectives of the programme include:

- Introduce students to the basic concepts and domains of economics including Basics

of Economics, Development Economics, Agricultural Economics and International Economics.

- Equip students with analytical skills and decision making.
- Sharpen the skills of students and enable them to practice quantitative method techniques.
- Inculcate entrepreneurial skills managerial concepts with leadership skills.
- Develop knowledge about emerging economics areas and technologies

2. Relevance of Programme with Teerthanker Mahaveer University, Moradabad - Mission and Goals:

In order to align with the mission and goals of Teerthanker Mahaveer University Moradabad, the Programme is planned to enable students and working professionals gain knowledge in various domains of management, specialize in a domain of their choice, gain knowledge of not only skills including analysis, data based decision making and applying economic theories, but also introduce them to leadership role in newer and emerging markets, products and technologies.

2.1. Vision:

- To develop conceptual knowledge, practical insights and skills to deal with challenges present in economic environment.

2.2. Mission:

- To develop knowledge, skills and competencies in field of economics.
- To enable learn while you earn for the employed citizens thereby promoting continuous learning and application in their work life.
- To enable industrial employees to improve their qualifications without leaving their existing careers and enhance their employability in to managerial positions post completion of their degrees.

3. Nature of Prospective Target Group of Learners:

The programme is specially designed to cater the need of students who are not able to study through regular mode. Working professionals, housewives, students from rural areas, students who do not wish to prefer regular courses due to various reasons and students who cannot afford costly regular courses are the target group learners.

4. Appropriateness of programme to be conducted in Distance mode to acquire specific skills and competence:

The courses in the programme are delivered through Self-Learning Management System e-Module which is a modular Block of e-learning material which is inter-alia self-explanatory, self-

contained, self- directed at the learner, and amenable to self-evaluation, and enables the learner to acquire the prescribed level of learning in a course of study and includes contents in the form of a combination of the following e-Learning content, and made available through four-quadrant approach namely,

(a) e-Tutorial - faculty led Audio - Video Lectures, (b) e-Content (combination of PDF/ epub) Text Materials, (c) Discussion forum for raising of doubts and clarifying the same on real time basis by the Course Coordinators/Course Mentors assigned to students (d) Self- Assessment Quiz, Test and Assignments to reinforce learning. Reference books are also mentioned in the syllabus. Latest Edition of Reference books may be referred to.

A robust Learning Management System that keeps track of delivery of e-Learning Programmes, learner's engagement, assessment, results and reporting in one centralized location, is in place. All of the above can be done/delivered by Distance and other platforms without much loss of fidelity. Hence the MA (Economics) programme is suited for Distance mode of learning.

5. Instructional Design:
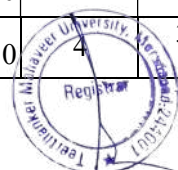### 5.1. Curriculum Design:

Curriculum has been designed by experts in the area of economics and care has been taken to include contemporary topics, as well as topics that also inculcate environmental awareness in students. The curriculum and syllabus are approved by the Board of Studies, Centre for Internal Quality Assurance (CIQA) and University Academic Council which consists of experts from Academia and Industry.

5.2. Programme structure and detailed syllabus:

MA (Economics)

Semester I

S. N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-1	MAECC101	Micro Economics	4	0	0	4	30	70	100
2	CC-2	MAECC102	Macro Economics	4	0	0	4	30	70	100
3	CC-3	MAECC103	Public Economics	4	0	0	4	30	70	100
4	CC-4	MAECC104	Mathematical Economics	3	2	0	4	30	70	100
5	CC-5	MAECC105	Financial Institutions and Markets	4	0	0	4	30	70	100
6	SPT-1	MAESP101	Environmental Studies	4	0	0	4	30	70	100

S.N	Category	Course Code	Course	L	T	P	Credit	Internal	External	Total
7	SPT-2	MAESP102	Health Economics	4	0	0	4	30	70	100
8	SPT-3	MAESP103	Demography	4	0	0	4	30	70	100
		Total		31	2	0	32	240	560	800

Semester II

S.N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-6	MAECC201	Advanced Micro Economics	4	0	0	4	30	70	100
2	CC-7	MAECC202	Advanced Macro Economics	4	0	0	4	30	70	100
3	CC-8	MAECC203	Indian Public Finance	4	0	0	4	30	70	100
4	CC-9	MAECC204	Statistical Techniques for Economics	3	2	0	4	30	70	100
5	SPT-4	MAESP201	Economics of Insurance	4	0	0	4	30	70	100
6	SPT-5	MAESP202	Regional and Urban Economics	4	0	0	4	30	70	100
7	SPT-6	MAESP203	Environmental Economics	4	0	0	4	30	70	100
8	OE-1	MAEOE201	Indian Economy*	4	0	0	4	30	70	100
9	Viva-Voce	MAEVV251	Comprehensive Viva- Voce	0	0	0	4	50	50	100
		Total		30	2	0	36	290	610	900

Semester III

S.N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-10	MAECC301	Economics of Growth	4	0	0	4	30	70	100
2	CC-11	MAECC302	International Economics	4	0	0	4	30	70	100
3	CC-12	MAECC303	Research Methodology	3	2	0	4	30	70	100

S.N	Category	Course Code	Course	L	T	P	Credit	Internal	External	Total
4	CC-13	MAECC304	Econometrics	3	2	0	4	30	70	100
5	SPT-7	MAESP301	Agricultural Economics	4	0	0	4	30	70	100
6	SPT-8	MAESP302	Industrial Economics	4	0	0	4	30	70	100
7	SPT-9	MAESP303	India and Global Economy *	4	0	0	4	30	70	100
8	Viva Voce	MAEVV351	Summer Internship	0	0	0	4	50	50	100
		Total		**30**	**4**	**0**	**32**	**260**	**540**	**800**

Semester IV

| S.N | Category | Course Code | Course | Periods | | | Credit | Evaluation Scheme | | |
				L	T	P		Internal	External	Total
1	CC-14	MAECC401	Economics of Development	4	0	0	4	30	70	100
2	CC-15	MAECC402	Advanced International Economics	4	0	0	4	30	70	100
3	CC-16	MAECC403	Indian Economic Policy	4	0	0	4	30	70	100
4	CC-17	MAECC404	Computer Applications in Economics	4	0	0	4	30	70	100
5	SPT-10	MAESP401	Rural Development	4	0	0	4	30	70	100
6	SPT-11	MAESP402	Labour Economics	4	0	0	4	30	70	100
7	Project	MAEVV451	Major Research Project	0	0	0	4	50	50	100
		Total		**24**	**0**	**18**	**28**	**230**	**470**	**700**

Note- A student who successfully qualifiesTwo MOOCs on SWAYAM/NPTEL of equal credits shall be exempted from the courses after obtaining the permission from ProgrammeCoordinator.

Course Code: **MAECC101**	**Core Course – 1** **MA - Economics - Semester-I** **Micro Economics**	**L-4** **T-0** **P-0** **C-4**
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper aimed at conceptualization, understanding and analyzing the behavior of individuals, firms and markets;	
CO2.	To study the recent theoretical advancements and promote practical applications of the same..	
CO3.	Applying various Economics concepts, theories, philosophies functions for an effective management of economic environment of the organization.	
CO4	Analyzing the influence of historical economic thoughts on the current practice of management.	
CO5.	Assessing social responsibility and ethical issues involved in society and logically articulate position on such issues.	
Course Content:		
Block-1:	**The Nature and Scope of Economic Theory** The Economic Problem- Scarcity and Choice- Scope of Economic Theory and Basic Economic Problems- Microeconomics-importance and use, Nature of scientific theories- derivation of economic theories and nature of economic reasoning; deductive and inductive method; role of assumption in economic theory.	**8 Hours**
Block-2:	**Demand Analysis and Theory of Consumer's Choice** Demand function-Cardinal utility approach-laws of cardinal utility analysis- law of diminishing marginal utility- law of equi-marginal utility; equilibrium of the consumer through cardinal utility analysis. Ordinal utility analysis of demand; Properties of indifference curves; consumers equilibrium; income effect-Derivation of Engel curve from income effect - substitution effect-Hicks-Allen and Sultsky substitution effect; Revealed preference theory- Hick's logical ordering theory of demand; Recent developments in theory of demand.	**8 Hours**
Block-3:	**Theory of Production** The theory of production: Production Function- production with one variable factor- Law of variable proportions- three stages of production, Production function with two variable factor. Cobb-Douglas production function. Laws of production - Laws of returns to scale.	**8 Hours**
Block-4:	**Cost Analysis** Optimum Factor Combination-Iso-cost line- Least-cost combination of factors. Cost Analysis- Technological Efficiency versus economic efficiency- the concepts of costs: opportBlocky cost.	**8 Hours**

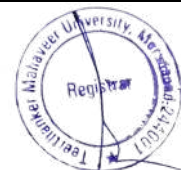|		
Block-5:	**Price and output determination in Market structures** Introduction to market structure- equilibrium of the firm and industry under prefect competition- price and output determination under monopoly and monopolistic competition- Chamberlin's theory of monopolistic competition; Oligopoly; Non-collusive models; Cournot's oligopoly model; Bertrand's model; Edgeworth's model; Chamberlin's duopoly model; Stackelberg's model; Kinked demand Curve model.	**8 Hours**
Text Books:	• Ahuja, H. L. (2010): Advanced Economic Theory, S. Chand & Co., New Delhi • Dwivedi (2008), *Microeconomics: Theory and Applications* (Second Edition), Dorling Kindersley (India) Pvt. Ltd.	
Reference Books:	• Koutsoyiannis A (1982): Modern Micro Economics, McMillan. • Sen, Anindya (1999): Microeconomic Theory and Applications, Oxford University, Press, New Delhi. • Varian. H. (2000), *Micro Economic Analysis*, W.W. Norton, New York. *** Latest editions of all the suggested books are recommended.**	

Course Code: MAECC102	Core Course -2	L-4 T-0 P-0 C-4
	MA – Economics - Semester-I	
	Macro Economics	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper equips the students to understand macro trends in different variables.	
CO2.	Systemic facts and latest theoretical developments for empirical analysis	
Course Content:		
Block-1:	**National Income and Accounts** Concepts of Macro Economics, Circular Flow of Income in two, three and four sector economy; Different forms of national income accounting - Social accounting; Input - output accounting; flow of funds accounting and balance of payments accounting and Green Accounting	**8 Hours**
Block-2:	**Classical and Macroeconomic Models** Basic assumptions of the classists, Says Law of Market, Wage price flexibility, criticisms of classical theory. The Keynesian System- The role of aggregate demand- Components – consumption function; Alternative Theories of consumer behaviour. Investment function- MEC and capital accumulation- Accelerator and investment behavior.	**8 Hours**
Block-3:	**Modern Development in Macroeconomics** Monetarism- Rational expectations- views of Mutt, Wallace, R.E.T Sargent and Lucas. Supply side economics- supply shocks, stagflation-wedge model- Laffer curve. Kaleckis pricing model- Small Menu Cost Model – Wage contract model.	**8 Hours**
Block-4:	**Inflation** Classical, Keynesian and Monetarist approaches to inflation; Structuralist theory of inflation;	**8 Hours**
Block-5:	Philips curve analysis-short run and long run Philips curve -Tobin's modified Philips curve; Adaptive expectations and rational expectations; Policies to control inflation .	**8 Hours**
Text Books:	1. Ackley, G., (1978), *Macroeconomic: Theory and Policy,* Macmillan, New York 2. Branson, W.A., (1989), *Macroeconomic Theory and Policy*, (3rd Edition), Harper and Row, New York,	
Reference Books:	3. Dwivedi, D.N. (2001), Macroeconomics: Theory and Policy, Tata McGraw Hill Publishing Company Limited, New Delhi, 4. Rana and Verma (1981), Macroeconomic Analysis, Vishal Publishing House, New Delhi 5. Romer, D.L., (1996), Advanced Macroeconomics, McGraw Hill Publishing Company Ltd. New Delhi, 6. Shapiro, E., (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi	

Course Code: MAECC103	Core Course – 3 MA – Economics - Semester-I **Public Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main aim of the paper is to provide an understanding of concepts and theories of Public Economics;	
CO2.	Impart to the student a thorough understanding of significance and implications of government's activities for growth in a modern economy.	
Course Content:		
Block-1:	Public Economics: Origin, Meaning and Subject Matter. Role of Government, Functions of Government: Allocation, Distribution and Stabilization. Market Failure: Decreasing Costs, Provision of Public Goods; Externalities; Informational Asymmetry; Theory of Second Best.	**8 Hours**
Block-2:	Voting systems: Concepts and Types, Majority voting and its instability; Problem of Preference Revelation: Wicksell, Buchanan and Tullock views; Political equilibrium. Bowen's Model; Arrow's Impossibility Theorem; Black Theorem; Economic Bureaucracy: Niskanan Monopoly Government; Rent Seeking and Directly Unproductive Profit Seeking (DUP) Activities.	**8 Hours**
Block-3:	Allocation of Resources: Benefit Approach: Lindahl Voluntary Exchange Model; Ability to Pay Approach. Samuelson Theory of Public Goods; Tiebout Model; Buchanan Theory of Club Goods.	**8 Hours**
Block-4:	Theories of Public Expenditure: Wagner's Law of Increasing State Activities, Wiseman- Peacock Hypothesis. Criteria for Public Investment: Social Cost-Benefit Analysis. Budgeting: Programme Budgeting and Zero Base Budgeting.	**8 Hours**
Block-5:	Public Debt: Sources and Principles of Debt Management and Repayment; Crowding Out of Private Investments	**8 Hours**
Text Books:	1. Herber, B. P. (2004), *Modern Public Finance*, AITBC Publishers, New Delhi. 2. Hyman, D. N. (1983), *Public Finance- A Contemporary Application of Theory to Policy,* The Dryden Press Chicago.	
Reference Books:	1. Jha H. (1998), *Modern Public Economics*, Routledge, London. 2. Lekhi, R. K. (2000), *Public Finance,* Kalyani Publishers, New Delhi. 3. Musgrave, R. A. (1959), *The Theory of Public Finance-A Study in Public Economy,* 4. McGraw Hill Book Co., New York. 5. Musgrave, R. A. and P. B. Musgrave (1989), *Public Finance-Theory and Practice,* 6. McGraw Hill Book Co., New Delhi. 7. Stieglitz, J. E. (2000), *Economics of Public Sector,* W. W. Norton and Co., New York. *** Latest editions of all the suggested books are recommended.**	

Course Code: MAECC104	Core Course – 4 MA- Economics - Semester-I **Mathematical Economics**	L-3 T-2 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main objective of this paper is to train the students to use the techniques of mathematical analysis, which are commonly applied to understand and analyze economic problems.	
Course Content:		
Block-1:	Concept of Mathematical Economics, Laws of Sets, Functions and Applications – Linear Demand and Supply Function; Market Equilibrium; Effects of Specific Tax and Subsidy on Equilibrium Price and Quantity.	**8 Hours**
Block-2:	Calculus - Limit, Continuity and Derivatives; Rules of Differentiation, Uses in Economics; Marginal Concept; Marginal Cost; Revenue; Utility; Elasticity's and Types; Partial Differentiation	**8 Hours**
Block-3:	Problems of Maxima and Minima; Unconstrained and Constrained; Optimization in Simple Economic Problems; Concept of Integration; Some Simple Rules of Integration and Applications to Consumer's Surplus and Producer's Surplus.	**8 Hours**
Block-4:	Matrix, Algebra- Types, Matrix Inverse and Rank of a Matrix; Determinants and their Basic Properties; Solution of Simultaneous Equations through Cramer's Rule	**8 Hours**
Block-5	Introduction to Input-Output Analysis	**8 Hours**
Text Books:	1. Barry Bressler, (2001), *A Unified Introduction to Mathematical Economics*, McGrawHill, New York.	
Reference Books:	1. Bose D (2003): An Introduction to Mathematical Economics, Himalaya Publishing house, 2. Chiang A.C.(2000), *Introduction to Mathematical Economics*, McGraw Hill, New York. 3. Edward T. Dosling (1992), *Introduction to Mathematical Economics*, Schaum's outline series Tara McGraw Hill, New Delhi. 4. Monga G.S (1972), *Mathematical and Statistics for Economists*, Vikas Publishing House, New Delhi. 5. Veerachamy R. (2002): Quantitative Methods for Economists. New Age International Publishers, Bangalore. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC105	Core Course – 5 MA- Economics - Semester-I **Financial Institutions and Markets**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The student of economics should be well conversant with the theory and practice of different financial institutions and markets To understand and analyses the interconnection between the monetary forces and realforces,theirdevelopmentalroleandlimitationsinshapingandinfluencingthemonetaryand related policies at the national.	
Block-1:	Money and Finance- Money and Near Money –Financial Intermediation and Financial Intermediaries Structure of the Financial System – Functions; Equilibrium in Financial Market- Financial System and Economic Development –Risk and Financial Assets- Types of Risks- Returns on Assets.	**8 Hours**
Block-2:	Commercial Banking – Functions - Credit Creation and its Control- Non Performing Assets; Central Bank- Credit Control Measures - The Problem of the Rupee and Issues related to Indian Currency; Development Banks – NBFIs and their Role and Functions - Financial Sector Reforms in India- Recent Issues.	**8 Hours**
Block-3:	Role and Structure of Money Market- Call Money Market; Treasury Bill Market- Commercial Bill Market; Including Commercial Paper and Certificate of Deposits- Discount Market- Govt. Securities Market- Market for Derivatives-, Forwards- Futures Options and Swaps; Structure of Capital Market - Stock Exchange Markets - Trading Regulations - SEBI – National Stock Exchange.	**8 Hours**
Block-4:	Foreign Exchange Rates - International Monetary Fund- International Liquidity- Leading Operation of World Bank and its Affiliates; Working of International Development Agency and International Finance Corporation;	**8 Hours**
Block-5	Asian Development Bank and India; Euro-Dollar and Euro Currency Markets.	**8 Hours**
Text Books:	Bholey L.M. (1999), *Financial Institutions and Markets*, Tata McGraw Hill Co Ltd,New Delhi	
Reference Books:	1. Bholey L.M.(2000),*Indian Financial Systems*,Chugh Publications, Allahabad 2. Johnson H.J.(1993),*Financial Institutions and Markets*, McGraw Hill Co Ltd, NewYork 3. KhanY.M.(1996), *Indian Financial System*,Tata McGraw Hill CoLtd, NewDelhi 4. Machiraju,M.R.(1999),*IndianFinancialSystem,*VikasPublishingHouse,NewDelhi *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP101	SPT - 1 MA-Economics - Semester-I Environmental Studies	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	Understanding ecology and environment for promoting sustainable development.	
CO2.	Understanding environmental policies, practices and Acts and its application in industries.	
CO3.	Applying the measures to control pollution.	
CO4.	Analyzing the opportBlockies to make optimum use of natural resources and biodiversity.	
CO5.	Applying the disaster management skills in case of disaster.	
Course Content:		
Block-1:	**Introduction and Evolution of Environmental Studies:** **Definition and Scope** of environmental studies, multidisciplinary nature of environmental studies, concept of sustainability & sustainable development. **Ecology and Environment:** Concept of an Ecosystem- its structure and functions, Energy Flow in an Ecosystem, Food Chain, Food Web, Ecological Pyramid & Ecological succession, Study of following ecosystems: Forest Ecosystem, Grass land Ecosystem & Aquatic Ecosystem & Desert Ecosystem.	**8 Hours**
Block-2:	**Natural Resources:** Renewable & Non-Renewable resources; Land resources and landuse change; Land degradation, Soil erosion & desertification. Deforestation: Causes & impacts due to mining, Dam building on forest biodiversity & tribal population. Energy Resources: Renewable & Non-Renewable resources, Energy scenario & use of alternate energy sources, Case studies. Biodiversity: Hot Spots of Biodiversity in India and World, Conservation, Importance and Factors Responsible for Loss of Biodiversity, Bio-geographical Classification of India.	**8 Hours**
Block-3:	**Environmental Pollutions:** Types, Causes, Effects & control; Air, Water, soil & noise pollution, Nuclear hazards & human health risks, Solid waste Management; Control measures of urban & industrial wastes,	**8 Hours**

	pollution case studies.	
Block-4:	**Environmental policies & practices:** Climate change & Global Warming (Greenhouse Effect), Ozone Layer - Its Depletion and Control Measures, Photochemical Smog, Acid Rain Environmental laws: Environment protection Act; air prevention & control of pollution act, Water Prevention & Control of Pollution Act, Wild Life Protection Act, Forest Conservation Acts, International Acts; Montreal & Kyoto Protocols & Convention on biological diversity, Nature reserves, tribal population & Rights & human wild life conflicts in Indian context.	**8 Hours**
Block-5:	**Human CommBlockies & Environment:** Human population growth; impacts on environment, human health & welfare, Resettlement & rehabilitation of projects affected person: A case study, Disaster Management; Earthquake, Floods & Droughts, Cyclones & Landslides, Environmental Movements; Chipko, Silent Valley, Vishnoi's of Rajasthan, Environmental Ethics; Role of Indian & other regions & culture in environmental conservation, Environmental communication & public awareness; Case study	**8 Hours**
Text Books:	1. De A. K. ,Environmental Chemistry, New Delhi : New Age Publishers Pvt. Ltd.	
Reference Books:	1. Bryant, P. J., Biodiversity and Conservation, New Delhi: Hypertext Book 2. Tewari, Khulbe& Tewari , Textbook of Environment Studies, New Delhi: I.K. Publication 3. Masters, G. M. Introduction to Environmental Engineering and Science, New Delhi : Prentice Hall India Pvt. Ltd. 4. Odem, E. P , Fundamentals of Ecology, New Delhi : W. B. Sannders Co. ***Latest editions of all the suggested books are recommended.**	

Course Code: MAESP 102	SPT – 2 **MA- Economics - Semester-I** **Health Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main aim of the paper is to enable a student to teach basic economic issues and aspects of health economics and to know about health cost, efficiency and health care system.	
Block-1:	Definition and Dimensions of Health–Morbidity– Mortality and Life Expectancy; Occupational Health Hazards; Determinants of Health –Mal-Nutrition, Demand for Health Services, Health Indicators and theirCorrelation with the Level of Economic Development Infant Mortality Rate,MMR BMI, CMR, TFR.	**8 Hours**
Block-2:	Need for Economic Evaluation – Theoretical bases of Economic Evaluation. Practical steps in Economic Evaluation: Cost Analysis (CA) – Cost Benefit Analysis (CBA) – Cost Effective Analysis (CEA) and Cost Utility Analysis (CUA); Issues in the Measurement of Costs–Hospital cost inflation; Measuring Benefits in Economic Evaluation – Valuing of Health Outputs.	**8 Hours**
Block-3:	Contracting–Transaction Cost–Health Sector contracting. Laissez- faire approach to healthcare industry, Market Structures – Imperfect Competition –Provider Competition in HealthCare– Monopoly–Oligopoly and Contestability; Hospital and Health provider Behaviour and Motivation – Profit Maximization; Economics of Regulation – Regulation in Health Sector.	**8 Hours**
Block-4:	Health Care System – Public and Private Health Systems; Health Care Delivery in India –Health Care Financing – Trends in Public Expenditure;	**8 Hours**
Block-5	Social Security schemes. Health Sector Reforms – Private – Public Mix–UserFees, NFHS; Indian National Health Policy, NRHM.	**8 Hours**
Text Books:	Alistari McGuire, John Henderson and Gavin Money(1998) Economics of Health Care: An Introductory Text, Routledge and Kegan Paul, New York.	
Reference Books:	1. David Daren(1975)National Health Insurance: Benefits, Costs and Consequences, Brookings Institutions. 2. William Jack (1999) Principles of Health Economics for Developing countries, WBI Development Studies, The World Bank, Washington, D.C. 3. Pearce D and P Das Gupta (1982)Social Benefit Cost Analysis, Macmilan, London. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP103	SPT – 3 MA- Economics - Semester-I Demography	L-4 T-0 P-0 C-4
Course Outcomes :	On completion of the course, the students will be :	
CO1.	The main objective of this paper is to make the students aware of the importance of population in economic development. The paper also enlightens the student on the quantitative and the qualitative aspects of the population through various demographic techniques.	
Block-1:	Meaning and Scope of Demography – Population Studies and Demography – Relation with other Disciplines – Size, Composition and Distribution of Population – Demographic Data Base in India: Study of Census in India; Changing characteristics and Occupational Structure of population in India.	8 Hours
Block-2:	Malthusian Theory–Post Malthusian Theories-Marxideason Population–Optimum Theory of Population– Theory of Demographic Transition; Models of Meadows, Enke, Becker and Easterlin; Population and Development.	8 Hours
Block-3:	Fertility-Measurement of Fertility, Factors Influencing Fertility, Fertility levels, Fertility in India. Mortality– Measurement, levels and trends in India, Infant Mortality; Life Table. Migration- Concept and Types, Factors Affecting and Theories of Migration.	8 Hours
Block-4:	Population Trends in 21st Century- Population Explosion, Age and Sex Structure. Urbanization–Rural- Urban Population, Population, Development and Environment Linkages. Population Policy– Meaning and Importance.	8 Hours
Block-5	Population Policy– Meaning and Importance.	8 Hours
Text Books:	Agarwal S.N.(1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.	
Reference Books:	1. Bogue, D.J (1971) Principles of Demography, John Wiley, New York. 2. Choubey, P.K.(2000),PopulationPolicyinIndia,KanishkaPublications,NewDelhi. 3. Gupta, J.A.(2000),NewReproductiveTechnogies,Women'sHealthandAutonomy,Indo Dutch Studies. 4. Coals,A.J.and E.M.Hoover(1958),Population Growth and Economic Development in Low income *** Latest editions of all the suggested books are recommended**	

Course Code: MAEC C201	CC – 6 MA- Economics - Semester-II Advanced Micro Economics	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	To enable the students to understand the theories of distribution and thereby understanding the fundamentals of welfare economics To analyze the working of general and partial equilibrium.	
Block-1:	Models of the low cost and dominate firm price leadership - Barometric price leadership - Concept of joint profit maximization and market sharing cartels; Baumol's sales maximization theory– Managerial theories of firm: Marris managerial theory of firm, Williamson's managerial theory of firm- Theories of limit pricing: Bain's model, Solos model of limit pricing, Modigliani's model of limit pricing, Bhagwati's Extension of Modigliani's model. Theory of Games.	8 Hours
Block-2:	Marginal Productivity theory of Distribution: Clark's version, Marshall-Hick's Marginal Productivity theory, Euler's theorem and Product Exhaustion Problem, Wicksteed's Solution of Product Exhaustion Problem. Wage determination in case of perfect competition and monopsony. Theory of Rent: Ricardian Theory of rent. Theories of interest: classical theory of interest-loanable funds theory - Keynes's Liquidity Preference Theory of Interest- Hicks-Hansen's synthesis of classical theories- Theory of profits.	8 Hours
Block-3:	General Equilibrium Analysis: Partial and General Equilibrium -Walrasian model – existence uniqueness and stability of equilibrium. Welfare Economics- Role of Value Judgment-Conditions of Pareto Optimality- Compensation Principle:Kaldor-Hicks Welfare Criterion-Scitovsky Paradox. Social Welfare: Pareto SocialWelfare Function, Rawlsian Social Welfare function, Bergson-Samuelson's Social Welfare Function.	8 Hours
Block-4:	The Concept of Risk: Risk Behaviour - Risk Aversion - Gambling - Insurance –Portfolio Selection - Consumption and Competitive Firm under Uncertainty.	8 Hours
Block-5	Information Problem and Markets with Asymmetric Information: Problems of Lemons; Allocate Inefficiency, Market Signaling.	8 Hours
Text Books:	Ahuja,H. L.(2010):Advanced EconomicTheory,S.Chand & Co., New Delhi	
Reference Books:	1. Dwivedi(2008),*Microeconomics:TheoryandApplications*(SecondEdition), Dorling Kindersley (India) Pvt. Ltd. 2. Koutsoyiannis A (1982):Modern Micro Economics, McMillan. 3. KrepsDavid.M.(1990),*ACourseinMicroeconomicTheory,*PrincetonUniversity	

Press, Princeton.

* Latest editions of all the suggested books are recommended

Course Code: MAECC 202	CC – 7 **MA- Economics - Semester-II** **Advanced Macro Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper equips the students to understand advanced issues in Macro Economics Latest theoretical developments for empirical analysis	
Block-1:	Classical, Keynesian and Post-Keynesian; Patinkin - Real Balance Effect; Approaches of Baumol, Tobin and Friedman. Supply of Money- Measures of money supply. Mechanism of Monetary expansion and contraction (deterministic and behavioural models); Determinants of money supply.	**8 Hours**
Block-2:	General equilibrium model in Two Sector System – the Real market – Money market ; Shifting IS Curve, Shifting LM Curve – Simultaneous shift of IS and LMCurve . IS – L Mmodel with Government Sector – IS-LM model with Labour Market; IS – LM model with Price flexibility.	**8 Hours**
Block-3:	The Flexible Accelerator Theory of Investment; Lags in Investment - Koyek's Approach-Financial theories of Investment-Its criticisms– Duesenberry's Financial theory of Investment - Jargenson's Neo-Classical theory of Investment. Business Cycle - Theories of Schumpeter, Kaldor, Samuelson and Hicks Goodwin's model.	**8 Hours**
Block-4:	The theory of economic policy, - target and Instrumental variables, policy lags. Monetary policy– Rules Vs Discretion, Monetary targeting and inflation.	**8 Hours**
Block-5	Fiscal policy, Okun's Law –Growth Vs Stability and Macro economic policy during reform period.	**8 Hours**
Text Books:	Ackley,G.,(1978),*Macroeconomic: Theory and Policy,* Macmillan, New York	
Reference Books:	1. Branson,W.A.,(1989),*MacroeconomicTheoryandPolicy*,(3rdEdition),Harp erandRow,New York, 2. Dwivedi,D.N.(2001),*Macroeconomics: Theory and Policy*, Tata McGraw Hill Publishing Company Limited, New Delhi, 3. Mankiw,N.G.(1994),*Macroeconomics,*(2nd Edition.),Worth Publisher, NewYork 4. Ranaand Verma(1981),Macroeconomic Analysis,Vishal Publishing House,NewDelhi 5. Romer, D.L.,(1996),*Advanced Macroeconomics*, McGraw Hill Publishing Company Ltd.New Delhi, *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 203	CC – 8	L-4 T-0 P-0 C-4
	MA- Economics - Semester-II	
	Indian Public Finance	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	Introduces to a macro perspective on fiscal policy, principles of fiscal federal practices in India. To well-equip students about tax system and budgetary procedure as stabilization instrument.	
Block-1:	Tax Incidence: Incidence and Shifting of Tax and Tax Burden, Modern Theory of Incidence; Allocative and Equity Aspects of Individual Taxes. Taxable Capacity; Theory of Optimal Taxation and Measurement of Dead Weight Losses; Trade-Off between Equity and Efficiency; the Problem of Double Taxation.	**8 Hours**
Block-2:	Fiscal Policy: Objectives, Interdependence of Fiscal and Monetary Policies. Budget: Meaning and Components, Budgetary Deficits and its Implications. Built-in Stabilizers and Discretionary Fiscal Policy, Effectiveness - Anti- Inflationary Fiscal Policy; Balanced Budget Multiplier.	**8 Hours**
Block-3:	Vertical and Horizontal Imbalances; Inter-governmental Grants; Fiscal Federalism in India: Constitutional Provisions; Assignment of Functions and Sources of Revenue; Finance Commissions - Criteria for Transfer of Resources and NITI A yoga; Centre- State Financial Relations in India; Problems of States Resources and Indebtedness.	**8 Hours**
Block-4:	Major Taxes in India; Reforms in Direct and Indirect Taxes, Task Force on Implementation of FRBM Act and Kelkar Committee Recommendations, GST and its Implications.	**8 Hours**
Block-5	Analysis of Recent Central and State Government Budgets; Fiscal Sector Reforms in India.	**8 Hours**
Text Books:	Bhatia H. L(1996), *Public Finance*,(19th Ed),Vikas Publishing House, New Delhi.	
Reference Books:	1. Jha,Raghavendra(1998),*Modern Theory of Public Finance,* Wiley Eastern Ltd.,New Delhi. 2. Lekhi,R.K. (2000),*Public Finance,* Kalyani Publishers, New Delhi. 3. Mithani,D.M.(2006),*Principles of Public Finance and Fiscal Policy*, Himalaya Publishing House, New Delhi. 4. Srivastava,D.K.(2005),*Issues in Indian Public Finance,* New Century Publication, New Delhi. 5. Sundaram,K.P. M and K. K. Andley (2003), *Public Finance-Theory and Practice,*S. Chand and Co.Ltd., New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 204	CC – 9 MA- Economics - Semester-II Statistical Techniques for Economics	L-3 T-2 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	The main objective of this paper is to train the students to use the techniques ofstatistical analysis that are commonly applied to understand and analyze economic problems. To provide basic inputs of applied statistics and application of Statistical tools in applied economics.	
Block-1:	Basic concepts of Statistics, Sources of Data – Primary and Secondary; Sampling - Simple Random, Stratified and Systematic Random Sampling Methods; Tabulation and Frequency Distribution, Graphical representation of Data.	8 Hours
Block-2:	MeasuresofCentralTendency;Mean,Median,Mode;MeasuresofDispersion-Range,QuartileDeviation,Meandeviation,Standarddeviation;LorenzCurve;Coefficient of Variation; Skewness and Kurtosis.	8 Hours
Block-3:	Correlation: Simple, Coefficient of correlation – Karl Pearson and Rank Correlation, Partial and Multiple correlation Analysis, Regression analysis – Estimation of regression line in abivariate distribution– Least squares method, interpretation of regression coefficients.	8 Hours
Block-4:	Analysis of Time Series; Components of Time Series-Trend, Seasonal, Cyclical and Irregular Variations; Estimation of Trend Values; Fitting of Straight Lines by Least Squares Method. Index Numbers- Problems in the Construction of Index Numbers;	8 Hours
Block-5	Laspeyres', Pasche's andFischer'sIdealIndexNumbers.Problemsintheconstructionandlimitationsofindexnumbers, Tests for ideal index number.	8 Hours
Text Books:	ElhanceD.N.et.al(1996), *Fundamentals of Statistics*, Kitab Mahal,Allahabad	
Reference Books:	1. GoomA .M and GuptaM.K (1975), *Fundamentals of Statistics*,The world Press Ltd. Kolkata 2. Gupta,B.N. (1992),*Statistic sTheory and Practice*, Sahithya Bhavan ,Agra 3. Gupta,S.P.(1983),*Statistical Methods*,S. Chandand Company,New Delhi 4. Gupta.S.C.(1982),*FundamentalsofStatistics*,HimalayaPublishingHousePrivate *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP201	SPT –4 MA- Economics - Semester-II Economics of Insurance	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	Thispaperattemptstogiveafairlycomprehensiveandscientificviewofinsuranceinthetask of risk bearing and risk elimination in the economic affairs.	
Block-1:	Definition of Insurance, nature, function, importance, Role of Insurance; Risk Pooling and Risk Transfer; Economic and Legal Perspectives; Social v/s Private Insurance; Life v/s Non-Life Insurance; Classification of Insurance.	8 Hours
Block-2:	Wealth Accumulation Planning; Life Cycle Planning; Planning for Accumulation, Investment-Tax-Advantaged and Tax Non-Advantaged; Essentials of Individual Retirement Planning; Analysis of Retirement; Income Needs; Retirement Planning Strategies; Investing. Pension Plans; Basic Principles of Pension Plans; Pension Plans in India; Estate Planning; Process of Estate Planning; Estate Planning Tools.	8 Hours
Block-3:	Concept of General Insurance- Types; Health Insurance, Marines Insurance, Motors Insurance, Agricultural Insurance, Fire Insurance, Personal Accident Insurance; Importance of General Insurance in a Country's Economic Development; Concept of Short-Term Risk; Inspection or Risk; Rating and Calculation of Premiums; Marketing of General Insurance; General Insurance Corporation of India.	8 Hours
Block-4:	Insurance Regulation in India; Role and need of regulation-History of Insurance regulation inIndia- Insurance Regulation and Development Authority.	8 Hours
Block-5	Insurance reforms and birth of IRDA - Performance of IRDA - Indian insurance in the Global platform-Future potential in Indian insurance business.	8 Hours
Text Books:	B.S.Bodla, MC Gargand K.P.Singh(2006), *Insurance Fundamentals, Environment and Procedure*, Deep & Deep Publishing House, New Delhi	
Reference Books:	1. Black.K.J.Rand H.D.Skipper J.R(2000),*Life and Health Insurance,* Printice Hall, New Jersey 2. Finsinger,J and MV Pauly (Eds)(1986), The Economics of Insurance Regulation:A Cross National Study, Macmillan, London. 3. M.N. Mishra and S.B.Mishra(2004),*Insurance-Principles and Practice*, Sultan Chand and Sons, New Delhi *** Latest editions of all the suggested books are recommended**	

Course Code: MAES P202	SPT –5 MA- Economics - Semester-II Regional and Urban Economics	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	The study of Regional and urban economics is intended to make the students understand the economic factors and forces underlying the process of urbanization;	
Block-1:	Urbanization meaning–causes urbanization Factors influencing urbanization- Different stages of urbanization- Features of Urbanization in developing countries; Issues in Urbanization policies; Contribution to the theory of the development of Urban Spatial Structure- R.M.Haig, Burgess Theories of Urban Growth Analysis- Central Place Theory; Human Geological Approach, Economic BasicTheory.	8 Hours
Block-2:	Characterization of the Urban Labour Market-The Gravity Model of Labour Movements-Problems of Urban Unemployment in India; Migration-Urbanization Cause-Effect-Relationships-Pollution- Controlling measures with reference to India; Urban Transport, Urban Water supply and Public Health.	8 Hours
Block-3:	Problems of Urban Housing-Nature and Magnitude, Housing Finance Markets in India- Different Institutions in Housing Finances-Limitations- Economics of Urban Land Development and distribution- Role of Urban Development Organizations(UDO)-Their problems with reference to India- Urban Planning and Urban Land use Planning-Different Techniques-Control of Urban Land Use Pattern in India-Smart city.	8 Hours
Block-4:	Definition and scope of Regional Economics–Importance and Objectives-Causes for Regional Imbalances- Measures to Reduce Regional Imbalances- Regional Development and Regional Planning	8 Hours
Block-5	Regional Economic Problems- Perspectives on Economic Growth and Development. Regional planning in Rural India.	8 Hours
Text Books:	Button,K.J.(1981),Urban Economics-Theory and Policy of UP.	
Reference Books:	1. Dholakia,R.H(2001) Regional Disparity in Economic Growth in India, Himalaya Publishing House, Bombay. 2. Glasson,J(1987) An Introduction to Regional Planning, Concepts, Theory and Practice, Hutchiuson, London. 3. Hirsch,Werner (1973), Urban Economy Analysis, Tata McGraw Hill, NewDelhi. 4. Mills Edwin S.(1980),Urban Economics, Scot Foresman, Illinois. 5. Richardson Harry,W.(1979),The New urban Economics, Pitman publications, Ltd, London. * Latest editions of all the suggested books are recommended	

Course Code: MAES P203	SPT –6 MA- Economics - Semester-II **Environmental Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	This paper is meant to provide some insights in to the application of economic theory in the design and implementation of Environmental protection. The models of optimal use of natural resources, sustainable development, and environmental resource problems in India.	
Block-1:	Environmental economics- nature, scope and definition; Environment, ecology and economy; Pare to optimality and perfect competition; External effects in production and consumption; Market failure in case of environmental goods; depletion of natural resources and scarcity –pollution of environment-types.	**8 Hours**
Block-2:	Inter-linkages between economy and environment, Material balance model - law of thermo-dynamics and entropy; Welfare economics, efficiency and competitive markets - Common pool resources- Tragedy of commons; LDCs and sustainable development; Gender perspective in environmental management; controls and use of natural capital in India.	**8 Hours**
Block-3:	Pollution charges, ambient charges, product charges, subsidies; Liability rules-non-compliance fees, deposit refund system, performance bonds. Marketable pollution permits; Evaluative criteria of and practical conditions for use of the economic incentives. Contingent valuation method; Travel cost method; Hedonic market methods; Averting behavior approach-Environmental Kuznets curve hypothesis.	**8 Hours**
Block-4:	Problems of command and control regime; New Environment Policy; Natural resources: types, classification and scarcity;	**8 Hours**
Block-5	Elementary capital theory; Mechanism for environment regulation in India; air, water, land, environmental laws and their implementation;	**8 Hours**
Text Books:	Chary,S.N.and Vyasulu,Vinod(2000), Environmental Management- an Indian Perspective, Macmillan, New Delhi.	
Reference Books:	1. Goodstein,E.S.(2002) Economics and the Environment, John Wiley, New York. 2. Hanley,N.,J.F.Shogern and B.White(1997),Environmental Economics in Theory and Practice, Macmillan. 3. Hussen,A.M.(1999),Principles of Environmental Economics, Routledge, London. 4. Kadekodi,G.K. (2004)Environmental Economics in Practice, Oxford, New Delhi. 5. Kolstad,C.D.(1999) Environmental Economics, Oxford, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAE OE201	OE –1 MA- Economics - Semester-II **Indian Economy**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The objective of this paper is to sharpen the knowledge of the student about Indian Economy. To know about the Agricultural and Industrial development, poverty situation and various measures to eradicate it and also recent trends in the Indian Economy.	
Block-1:	The background: main features, geographic size; Endowment of natural resources: land, water, forest and energy with emphasis on recent policies in these areas; Population: size, composition, quality and growth trends; Population policy: need and present status; Occupational distribution and rural urban migration.	**8 Hours**
Block-2:	Mass poverty: extent and incidence; Unemployment: types, causes, consequences and Present status; Population pressure: economic effects; Inequality: extent, consequences and remedies; Regional imbalance: extent, consequences and remedies; Inflation in India (WPI,CPI);Trends in inflation; Parallel economy in India: causes and consequences.	**8 Hours**
Block-3:	Land Reforms in India- Technological Change in Agriculture- Agricultural Price Policy -Issues in Food Security – Policies for Sustainable Agriculture - Globalization and Indian Agricultural Sector. Agricultural Finance- Institutional and Non-Institutional sources, Industrial Policy - Privatization and Disinvestment Debate, Exit Policy- Issues in Labour Market Reforms.	**8 Hours**
Block-4:	Financial Sector Reforms- Interest Rate Policy – Review of Monetary Policy - Money and Capital Markets- Working of SEBI; Indian Fiscal Policy – Annual Budgets – Components of Budgets –Concept of Budgetary Deficits.	**8 Hours**
Block-5	Globalization of Indian Economy- W.T.O and its Impact on Different Sectors of the Economy, Need for and Issues in Good Governance.	**8 Hours**
Text Books :	AgarwalA.N.(2017),Indian Economy, Wiley Eastern Ltd., New Delhi	
Reference Books :	1. Dhingra, IC(2016),Indian Economy, Sultan Chand & Co, New Delhi 2. Kapila,Uma(2017)Indian Economy since Independence. Academic Foundation New 3. Misra S.K.and PuriV. K.(2017) Indian Economy. Himalayan Publishing House. 4. Reserve Bank of India, Report on Currency and Finance,(Annual) *** Latest editions of all the suggested books are recommended**	

Course Code: **MAEVV251**	**Viva voice** **MA- Economics - Semester-II** **Comprehensive Viva Voce**	**L-0** **T-0** **P-0** **C-4**
Course Outcomes:	The objective of this course is to judge the understanding as well as application of the knowledge gained by the students by the end of the first year of the course.	
Course Guidelines:	The comprehensive viva voce is scheduled to be held at the end of II Semester in the first year.	
	This is also to measure the articulation of what is being learnt by them and see their relevance in the practical field.	
	The Total marks of viva are 100.	
	The internal marks (50 marks) will be awarded by conducting face to face interview / viva of the students in the class on any topic of first and second semester syllabus in the front of a panel of at least two faculty members to be appointed by the Director / Principal of the College	
	The external marks (50 marks) will also be awarded by conducting face to face interview / viva of the students in the class on any topic of first and second semester syllabus in the front of the external examiner to be appointed by the examination division of the University.	

Evaluation Scheme

Detail	Course/Domain Knowledge	Confidence	Communication Skills	Total
Internal	20	15	15	**50**
External	20	15	15	**50**

Course Code: MAECC 301	CC –10	L-4 T-0 P-0 C-4
	MA- Economics - Semester-III	
	Economics of Growth	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	This paper aims at making students to understand the theories of growth, social and institutional aspects of growth, importance of agriculture and the rationale and pattern of industrialization in developing countries.	
Block-1:	Factors affecting Economic Growth: capital, labour and technology; Historical Perspective of Economic Growth and its relevance; Chenerys structural characteristics of the development process. Measurement of development– Human Development Index-Developments Displacement.	**8 Hours**
Block-2:	Grand and Distribution justice – Kuznets Hypothesis - poverty and its measurement- poverty alleviation measures-Convergence and Divergence economic theories-Development gap.	**8 Hours**
Block-3:	Harrod and Domar: Instability of equilibrium; Neo Classical Growth Models: Solow and Meade;Growth Models of Joan Robinson,Kaldor and Pasinetti.	**8 Hours**
Block-4:	Theories of growth and development - Vicious circle of poverty, circular unlimited supply of labor; big push, balanced and unbalanced growth, critical minimum effort thesis, low income equilibrium trap; Ranis and Fei model-Dualism.	**8 Hours**
Block-5	Critical minimum effort thesis, low income equilibrium trap; Ranis and Fei model-Dualism.	**8 Hours**
Text Books:	Adelman.I(1961),*Theories of Economic Growth and Development*, Stanford Universities Press, Standford.	
Reference Books:	1. Gerald.M.Meier, JamesE.Rauch,(2005),*Leading Issues in Economic Development* ,(8th Edition) Oxford University Press, Oxford, 2. Ghatak S(1986)*An Introduction to Development Economics*-allen and Unwin. 3. Growth.S,(1986),*An Introduction to Development Economics,*Allen and Unwin 4. Higgins Benjamin (1963), *Economic Development, Principals,Problems and Policies,*Central Book Depot, Allahabad 5. Meier.G.M. (1995), *Leading Issues in Economic Development* (6th edition) Oxford University Press, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 302	CC –11 MA- Economics - Semester-III International Economics	L-4 T-0 P-0 C-4
Course Outcomes :	**On completion of the course, the students will be :**	
CO1.	Thepaperpresentsclearexpositionofthetheoryandprinciplesofinternationaleconomicsthataressentialforunderstanding,evaluatingtotheimportantinternationaleconomicproblems.	
Block-1:	Importance of International Trade- International Trade and Nations Standard of Living – Current International Economic Problems- Analytical tools of International Economics-Production Possibility Curve, Marginal Rate of Transformation, CommBlocky In difference Curve, Marginal Rate of Technical Substitution and Offer Curves	**8 Hours**
Block-2:	International Trade Theories- Trade Based on Absolute Advantage and Comparative Advantage, Classical Theories -OpportBlocky Cost Theory–Factor Endowments–Heckscher– Ohlin Theory - Factor Price Equalization and Income Distribution – Leontief Paradox –Neo-Technological Trade Theory –Samuelson Theory- Stolper-Samuelson Theorem. Recent Developments in International Trade Theories-Product cycle theory.	**8 Hours**
Block-3:	Economic Growth and International Trade, Trade as an Engine of Growth; Intra Industry Trade and its Measurement, Immiserising Growth; the Rybczynski Theorem; Gains from Trade- Sources and Measurement, Terms of Trade, Types, Uses and Limitations; Tariffs-Types, Economic Effects of Tariffs and their Measurement, Rates of Tariffs, Optimum Tariff Formula. Secular Deterioration of Terms of Trade–Prebish-Singer Hypothesis.	**8 Hours**
Block-4:	Economic integration; types; Theory of Customs Union- Jacob Viner Theory, Other Static Welfare Effects of Customs Union – Dynamic Benefits from Customs Union, European Union, History,	**8 Hours**
Block-5	The European Economic commBlocky, Free Trade Association Trade Creation and Trade Diversion,, International Cartels, Dumping, Export Subsidies, Strategic Trade and Industrial Policies.	**8 Hours**
Text Books:	Kindleberger C.P.(1998),*International Economics,* R.D Irwin Homewood.	
Reference Books:	1. KingP.G(1995),*International Economics and International Economic Policy,*A Reader McGraw Hill, Singapore, 2. KrugmanP.R and M Obstifeld(2017), *International Economics-Theory and Policy,* Addison Wesley Longman Pvt .Ltd. ,Delhi 3. Mannur,H G,(2011), International Economics, Vikas Publishing House, New Delhi. 4. Salvatore D(2016),*International Economics,* Prentice Hall Upper Saddle River N.J. New York *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 303	CC –12 MA- Economics - Semester-III Research Methodology	L-3 T-2 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	This paper has an objective of exposing the students on various research concepts. The Paper will help to acquire research skills and capabilities to take up the project work.	
Block-1:	Research: Meaning, Characteristics; Types; Criteria of Good Research, Theoretical Foundation; Problems and Applicability in Social Research; Subjectivity v/s Objectivity in Social Research; Plagiarism and Ethical Issues in Research. Case Study; Field Study.	8 Hours
Block-2:	Research Process- Factors involved in the process. Research Problem: Identification of the Problem, Factors Involved. Review of Literature: Need for Reviewing Literature, Sources of Literature; Developing Objectives. Hypothesis: Meaning, Features and Importance. Research Design: Meaning and Types.	8 Hours
Block-3:	Data Collection: Sources- Primary and Secondary Data, Advantages/Disadvantages. Data Collection Techniques: Observation Method, Survey-Interview and QuestionnaireMethod, Merits and Demerits; Pilot Study. Sampling: Meaning, Principles, Sampling Process, Types of Sampling, Sample Size, Advantages and Disadvantages, and Errors in Sampling.	8 Hours
Block-4:	Economic integration; types; Theory of Customs Union- Jacob Viner Theory, Other Static Welfare Effects of Customs Union – Dynamic Benefits from Customs Union, European Union, History,	8 Hours
Block-5	Processing: Editing - Tabulation - Graphical Representation, Statistical Analysis and Testing of Hypothesis. Use of Computer in Data Analysis and Presentation. Report: Types of Reports Steps in Report Writing, Research Report Format, Writing theReport. Documentation: Appendices, Footnote, Endnotes, References and Bibliography.	8 Hours
Text Books:	C R Kothari(2008), *Research Methodology: Methods and Techniques*, New Age International, Ansari Road, Darya Ganj, New Delhi-110 002,INDIA	
Reference Books:	1. Ghosh,B.N.(1992),*Scientific Methods and Social Research*, Sterling Publishers Pvt.,Ltd. New Delhi. 2. Goode W.Jand Hatt P.K (2014), *Methods in Social Research,* McGraw Hill, New York 3. Krishnaswamy O.R.(1993), *Methodology of Research in Social Sciences*, Himalaya Publishing House, Mumbai 4. Sadhu A.N.and Amarjit Singh(2005), *Research Methodology and Social Sciences*, Himalaya Publishing, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 304	CC –13	L-3 T-2 P-0 C-4
	MA- Economics - Semester-III	
	Econometrics	
Course Outcomes:	On completion of the course, the students will be :	
CO1.	Devoted to equip the students with basic theory of econometrics and relevant applications of the methods. Application of economic theory needs a reasonable understanding of economic relationships and relevant statistical methods.	
Block-1:	Definition and Scope of Econometrics, Methodology of Econometrics- Simple Linear Regression Model- Assumptions- Estimation (through OLS) -Properties of Estimates- Guass Markov Theorem- Normality Assumptions-Statistical Inference- Testing Hypothesis. General Linear Regression Model-Assumptions – Estimation and Testing- Fitness of the Model: R^2 and Adjusted R^2- Concept and Analysis of Variance and its Applications in Regression Analysis.	**8 Hours**
Block-2:	Issues of Regression through Origin-Scaling and Blocks of Measurement-Different Functional Forms of Regression Models and their Uses. Nature, Tests,Consequences and Remedial Steps for the Problems of Hetero-scedasticity, Auto-correlation and Multi-collinearity; Problems of Specification Error-Errorsin Measurement.	**8 Hours**
Block-3:	Introduction to Simultaneous Equation Models – Problem of Identification and Consequences of Ignoring Simultaneity– EstimationProcedures:IndirectLeastSquares,2SLS,3SLS.	**8 Hours**
Block-4:	Dummy Variable Regression–Techniques and Uses-Models with Qualitative Dependent	**8 Hours**
Block-5	Variables-LPM, Logit, Probit, and Tobit Models.	**8 Hours**
Text Books:	Gujarati D(2000),*Essentials of Econometrics*,McGrewHillPollutionCompany,NewYork	
Reference Books:	1. Intrilligator,M.D(1980) Econometric Methods, Techniques and Applications Prentice Hall, Englewood Cliffs, N. J. 2. Klein LR(1974) A Text Book of Econometrics 2ndEd., Prentice Hall, Englewood Cliffs, N. J. 3. Koutsoyiannics A (1977), Theory of Econometrics, Palgrave, New York. 4. Maddala G S (2002), Introduction to Econometrics, 3rd edition, John Wiley and Sons, New York. *** Latest editions of all the suggested books are recommended**	

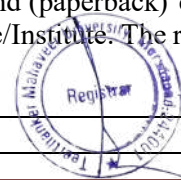| Course Code: MAESP 301	SPT –7 MA- Economics - Semester-III **Agricultural Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To provide a detailed issues in agricultural economics to those intending to specialize in this area. To familiarize students with policy issues that is relevant to agricultural economics and enables them to analyse these issues.	
Block-1:	Agricultural Economics-Meaning and Scope, Agriculture in Indian Economy- Farm Efficiency - Farm Records, Accounts and Farm Budgeting, Significant Issues in Indian Agriculture- Stagnation and Agrarian Crisis.	**8 Hours**
Block-2:	Agricultural production – Resource use and efficiency; Factor combination and resource substitution; Cost and supply curves; Farm Size and Productivity; Supply response of individual crops and aggregate supply; Labour absorption and gender issues in agriculture.	**8 Hours**
Block-3:	Market Structure and Marketing Efficiency; Marketed and Marketable Surplus, State Policy with Respect to Agricultural Marketing; Behaviour of Agricultural Prices – Cobweb Mode; Price and Income Stability, Objectives of Agricultural Price Policy– Instruments and Evaluation; Terms of Trade Between Agricultural and Non-Agricultural Prices; Need for State Intervention- Food security and public distribution system in India.	**8 Hours**
Block-4:	Indigenous Practices, Information and Communication Technologies and Agriculture-AgriculturalInformationSystems,RoleofRemoteSensing,GPSTechnology,Biotechnology, Nano Technology in Agriculture, Kisan Credit Cards, Kisan Call Centers, Bhoomi Project, Agricultural Technology Information Centers, Agricultural Knowledge System,	**8 Hours**
Block-5	Sustainable Agricultural Development- Meaning, Importance and Scope, Determinants, Agricultural Extension in India, FAO.	**8 Hours**
Text Books:	Bilgrami,S.A.R.(1996), Agricultural Economics, Himalaya Publishing House, Delhi.	
Reference Books:	1. CohenR.L.(1965),*Economics of Agriculture,* James Nisbet, London 2. Ghatak,S.and K.Ingersent(1984):Agriculture and Economic Development, Wheatsheaf, London. 3. Indian Journal of Agricultural Economics (1960-1964), Selected Readings 4. Sadhu and Singh(1985), *Fundamentals of Agricultural Economics*, Himalaya Publishing House, Mumbai *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 302	SPT –8 MA- Economics - Semester-III Industrial Economics	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	The objective is to provide a thorough knowledge about the economics of industry in a cogent and analytical manner, particularly in the Indian context. This course is also intends to provide knowledge to the students on the basic issues such as location, productivity, efficiency.	
Course Content		
Block-1:	Meaning, Nature, Scope, Significance and framework of Industrial Economics. Firm: Concept, Objectives, Ownership and control, Size of the Firm, optimum firm; Passive and active behaviour of a firm. Industrial Structure: Private and Public Sector, Large, MSME(Medium and Small Scale Industries), Village Industries. Industrial Combinations: Mergers and Amalgamations (M&A),Integration.	8 Hours
Block-2:	Theories of Industrial Location: Weber, Sargent Florence and August Losch, Centre Place Theory, factors affecting location, need for balanced regional development in India– Policies and Approaches. Industrial Productivity: concept and measurement, tools of industrial productivity.	8 Hours
Block-3:	Growth of the firm: size and growth; growth and profitability; constraints on growth. Sellers Concentration: product differentiation, entry conditions, economics of scale; Profitability and innovations, Industrial concentration: concepts and measurement; extent, causes and likely effects of concentration; analysis of diversification in industry.	8 Hours
Block-4:	Indian Industrial Structure: Patterns and phases; Industrial Development in India since 1991; Industrial Policy 1991, MRTP Act; Role of public sector. Privatization: nature and extent of disinvestments. Foreign capital in industrial sector: Role of MNCs and Foreign Collaborations	8 Hours
Block-5	Industrial sickness; Current Problems in Industrial Sector: Problems of small scale industries.	8 Hours
Text Books:	Barthwal R.R.(2006),*IndustrialEconomics*,WileyEasternLtd.,NewDelhi.	
Reference Books:	1. Cherunilam,F.(1994),*Industrial Economics: Indian Perspective,* Himalaya Publishing House, Mumbai. 2. Dasai,B.(1999), *Industrial Economy in India*, Himalaya Publishing House, Mumbai. 3. Hay,D.and D.J.Morris(1979), *Industrial Economics: Theory and Evidence*, Oxford University Press, New Delhi. 4. Kuchhal,S.C.(1980), *Industrial Economy of India*, Chaitanya Publishing House, Allahabad. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 303	SPT –9 **MA- Economics - Semester-III** **India and Global Economy**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The objective of this paper is to sharpen the knowledge of the student about India and Global Economy.	
Block-1:	Concept and definition - Evolution - objectives - why globalisation?- Process, dimensions and features - How to measure the extend of globalization? - Advantages and disadvantages –gainers and losers of globalization.	**8 Hours**
Block-2:	India's role in global economy - Share in global trade and capital flows – BoP position -dependence on capital inflows - FDI and FPI - Impact of global economic crisis - WTO and Indian economy - Regional and other trade blocks - SAARC, BRICS, RICS, IBSA and G20 -India as an emerging global Economic power.	**8 Hours**
Block-3:	Trade problems and policy changes in India-trade reforms since 1991- implications on BOP, exchange rate and factor movements-East Asian Crisis and India-International reserves and foreign debt problem in India-working of MNCs and their regulation-EXIM policy-WTO and competitiveness in Indian trade– agenda for future trade policy.	**8 Hours**
Block-4:	International capital and labour movements- Foreign Direct Investment(FDI), Its composition, direction and trends – Factor Determining FDI - MNCs and their operation-	**8 Hours**
Block-5	International trade in services and knowledge-based industries - GATS, TRIPs, TRIMs – trade problems of developing countries.	**8 Hours**
Text Books:	Backer, Epstein and Pollin(2009)-Globalization and Progressive Economic Policy,	
Reference Books:	1. Gold in Ian and Kenneth Reinert (2006), Globalisation for Development World Bank and Palgrave Macmillan, Washington DC. 2. Petras James and HenryVitmeyer(2001), Globalisation Unmasked, Madhyam Books, Delhi. 3. Razin and Sadka (2010)-The Economics of Globalization-Policy Perspective from Public Economics,. 4. Singh Karlijit (1998), Globalisation of Finance, Madhyam Books, New Delhi. 5. Stiglitz Joseph E.(2002), Globalisation and Its Discontents,W.W.Norton and Company, NewYork. *** Latest editions of all the suggested books are recommended**	

Course Code: MAEVV351	MA- Economics - Semester-III **Summer Internship**	L-0 T-0 P-0 C-4
Objectives:	This course intends to familiarize and develop understanding of the students about the organizational set up, know about the functioning of various sections/departments of an organization/company in general and gain hand-on experience of a specific job function of the chosen organization. The main aim is to acquaint the student with the practical day-to-day functioning of an organization with a motive to facilitate training in a specific skill/area of that organization. Students will undergo summer internship at the end of II semester. The duration of internship will be 45 to 60 days.	
Course Outcomes:	**On completion of the course, the students will be:** 1. Understanding the various departments and sections of an organization. 2. Understanding how staffing is done at different levels in an organization. 3. Demonstrating the specialization/ special skills required to work in a particular section/ department of an organization. 4. Working in tandem with the supervisor/mentor's goals of an organization. 5. Evaluating the general working environment, processes and systems of the organization where the student has work. 6. Explaining what he/she has observed and understood about a specific working/skill area of the particular section of the organization in which he/she worked. 7. Writing a detailed report on the summer internship.	
Course Content:	1. A brief introduction is given by the host organization on its various departments and administrative functions. 2. Students will visit various departments and will observe the physical layout, working conditions and managerial practices under the supervisor of the Company. 3. Students will write notes on the salient features of activities of different departments. 4. Each student shall prepare a structured report after the successful completion internship. 5. Students with help of faculty guide will carry out analysis of the visit reports. 6. Students will give a formal presentation of the report before the jury comprising of minimum two internal faculty members to be appointed by the Director/ Principal of the college. 7. The assessment will be out of 100 marks (External Marks-50, Internal Marks-50). 8. The report (based on general training or the problem centric training) prepared by the student will be termed as Summer Training Report. The report should ordinarily be based on primary data. It should reflect in depth learning during summer training. The average size of Report ordinarily will be of approximately 25pages in Times New Roman font size (12) and double spacing. Three neatly typed and soft bound (paperback) copies of the report will be submitted to the College/Institute. The report will be typed in A-4 size paper	

Detail	Report Quality (Structuring, Formatting, Clarity in presenting data & facts)	Presentation	Assessors Evaluation as per Summer Internship Record Book	Viva Voce	Total
		Evaluation Scheme			
Internal	30	20	NA	NA	50
External	15	NA	15	20	50

	Format for Summer Internship Report	
1.	Cover / Title Page	1 page

……............ **(Topic/Department/Area)**

At

(Name of the Organisation/Company)

In partial fulfillment for the award of the degree of MA (Economics)

Teerthanker Mahaveer Institute of Management and Technology (TMIMT)

Teerthanker Mahaveer University, Moradabad. Uttar Pradesh

Submitted by:	**Submitted to**
Student Name **Name**	**Internal Guide**
III Semester	**Designation**
Year	**TMIMT, TMU**

Under Supervision of

External Guide Name

Designation

2	Table of content (Index) –with page numbers clearly identified	1page
3	Declaration by the student.	1page
4	Certificate (from the Company / Organization)	1page
5	Acknowledgement	1page

6	Organization/Company Profile (Background, History, Founder, Vision, Mission, Competitors, Organization Structure, Products, Milestones, Achievements, Address)				5-8 pages
7	Objectives of training.				1page
8	**Student has to finalize topic from general training or problem centric training as per the consultation or guidance by the internal faculty and company supervisor. The details of both the trainings are given below:-**				

S.No.	General Training	Pages	S.No.	Problem Centered Training	Pages
8a	Introduction (department/s or the area assigned)	1-2	**8a**	Introduction to the topic	1-2
8b	Intern role during internship	1	**8b**	Research Objectives	1
8c	Role of (department/s or the area assigned) in the organization	2-3	**8c**	Research methodology	1-2
8d	Observations (including explanation of Processes)	6-8 (as per numbers of weeks training done)	**8d**	Data analysis & interpretation	5-8
8e	Key learning's	1-2	**8e**	Results & Findings	1-2
8f	Recommendations (if any)	1	**8f**	Recommendations& Suggestions	1
8g	Conclusion	1	**8g**	Limitations	1
			8h	Conclusion	1
			8i	References/ Bibliography	1
			8j	Appendices, viz., ➢ Questionnaire ➢ Checklist ➢ Tables etc.	1-3

Course Code: MAECC 401	CC –14	L-4 T-0 P-0 C-4
	MA- Economics - Semester-IV	
	Economics of Development	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To enable the students to study the various aspects of economic developments. To analyse the applications of macroeconomic policies for development and inclusive growth in the emerging economies.	
Block-1:	Sectoral Linkages- Agriculture and Industry –terms of Trade between Agriculture and Industry – Investment Criteria, Embodied and Disembodied; Neutral and Non-Neutral (Hicksand Harrod); Endogenous Growth Theory: Rationale Of Industrialization–Infrastructure –Information and Communication Technology.	**8 Hours**
Block-2:	Role of monetary and fiscal policies in developing countries- inflation and growth- Empirical evidence; External resources- FDI, MNC activity in developing countries; Borrowings - domestic and external; Burdenof borrowing- IMF, World Bank and policies in developing countries.	**8 Hours**
Block-3:	Human capital and development– Demographic transition, views of Stieglitz , Food security, Malnutrition, Gender linked issues and Participatory development: Tyranny/Transformation Post 2015 development agenda – Impasse in development studies.	**8 Hours**
Block-4:	Market efficiency and Market Failure; Role of State in Economic Development: State Capa city and State Failure.- Issues in Good Governance,	**8 Hours**
Block-5	policy initiative, Rent seeking, Parallel economy-Development Planning and goals in21stcentury.	**8 Hours**
Text Books:	Basu Kaushik(1998) *Analytical Development Economics* OUP New Delhi.	
Reference Books:	1. Growth.S, (1986),*An Introduction to Development Economics,* Allen and Unwin 2. Higgins Benjamin (1963), *Economic Development, Principals, Problems and Policies,* Central Book Depot, Allahabad 3. Higgins, Benjamin.(1995) *Economic Development*, W.W. Norton and Co, New York. 4. Kindleberger C.P.(1977), *Economic Development* (III edition) McGrawHill NewYork. 5. Meier .G.M.(1995),*Leading Issues in Economic Development* (6th edition) Oxford University Press, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 402	CC –15 MA- Economics - Semester-IV	L-4 T-0 P-0 C-4
	Advanced International Economics	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper aims at preparing the students about the relevance and limitations of international Economics and lay stress on to examine the impact of the trade policies.	
Block-1:	Balance of Payments-Concepts and Accounting Principles -Disequilibrium in International Transactions- Causes - Measures for Correcting Disequilibrium, Foreign Trade Multiplier,AlternativeApproachestotheBalanceofPaymentsPolicy,Marshall-Lerner condition, Changing and Expenditure Switching Policies.	**8 Hours**
Block-2:	Role of Foreign Capital in Economic Development, Structure and Function of Foreign Exchange Market- Exchange Rates Determination – Arbitrage – Spot and ForwardRates-Foreign Exchange Risks–Hedging-Speculation,ForeignCurrencySwaps,Futures,DevaluationandDepreciationofCurrencies, Optimum Currency Areas, International Liquidity Crisis.	**8 Hours**
Block-3:	Mint parity theory, Purchasing Power Parity Theory, Exchange rate dynamics, Balance of payment adjustments with exchange rate changes, the J Curve Effect. Exchange control-objectives, procedure, methods and effects of exchange control.	**8 Hours**
Block-4:	Genesis of GATT- GATT Rounds, Emergence of the WTO, Ministerial Conferences andIssuesrelatedtoGATS,TRIPS,TRIMS;IMF,IBRD,IFC,EFTA,SAARC,GCCand NAFTA	**8 Hours**
Block-5	Role of G8, G20 and BRIC ,Policy implications with reference to India.	**8 Hours**
Text Books:	Francis Cherunilam (2008)- International Economics, McGraw-Hill Education.	
Reference Books:	1. Kindleberger C.P.(1998), *International Economics,* R.D Irwin Homewood. 2. King P.G (1995), *International Economics and International Economic Policy,* A Reader McGraw Hill, Singapore, 3. Krugman P.R and MObstifeld (2017),*International Economics- Theory and Policy*(LowPricedEdition,5thEdition)*,*AddisonWesleyLongman(Singapore) Pte .Ltd. Indian Branch, 482FIE,Patparganj, Delhi-110092 4. Mannur,HG,(2011), International Economics, Vikas Publishing House, New Delhi. 5. SalvatoreD (2016),*International Economics,* Prentice Hall Upper Saddle RiverN.J. New York *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 403	CC –16 MA- Economics - Semester-IV Indian Economic Policy	
Course Outcome	**On completion of the course, the students will be :**	
CO1.	To sharpen the analytical power of the student by highlighting an integrated approach to the functioning aspects of the Indian economy, To train students to think analytically about the various discourses on Indian economy.	
Block-1:	Natural Resources - Human Resource Development - Trends in the Growth of National Income - Green Accounting - Structural Changes in the Economy - Poverty and Income Distribution - Trends: Savings, Investment and Capital Output Ratio and their Implications -India's Development Experience - Planning Commission to NITI Aayog - Parallel Economy and its Implications.	**8 Hours**
Block-2:	Broad demographic features of Indian population; Rural –urban migration; Poverty in India; Poverty line, Estimation and Incidence of poverty in India; Causes of Income Inequalities in India; Government policymeasures; Causes of Unemployment; Poverty Alleviation and Employment Generation Programms – An Evaluation.	**8 Hours**
Block-3:	Importance of Infrastructure- Development of transport and communications- Private Sector Participation – Pricing Methods – Issues in Governance and Regulation- Development of Irrigation- Irrigation Policy-Sources of energy– Energy Crisis in India–Social infrastructure– health and education– issues And trends.	**8 Hours**
Block-4:	Role of agriculture – productivity – cropping pattern – technical changes in agriculture – land reforms – pricing policy NAFTA	**8 Hours**
Block-5	role of industry – structure and pattern – public versus private sectors – performances –industrial policy India – role of service sector –emerging trends – growth pattern, Banking Sector in India, Financial sector Reforms.	**8 Hours**
Text Books:	Agrawal A.N.(Latestedition), Indian Economy, Chandand Co, New Delhi	
Reference Books:	1. Dhingra, IC(2016),Indian Economy, Sultan Chand & Co, New Delhi 2. Ghosh Alak, (2015) Indian Economy, World Press, Calcutta. 3. Government of India, *Economic Survey(Annual),*Ministry of Finance, New Delhi 4. Kapila Uma(2017) Indian Economys in ce Independence, Academic Foundations, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 404	CC –17 **MA- Economics - Semester-IV** **Computer Applications in Economics**	L-4 T-0 P-0 C-4
Course Outcom:	**On completion of the course, the students will be :**	
CO1.	To acquaint the students with the basic concepts related to computers and to explain how computers can be used in day today life and especially in learning and practicing application in economics.	
Block-1:	Construction of Frequency, Generating Graphs–Histogram, Pie Charts, Bar-Graphs, Calculation of Probability, Calculation of Mean and Variance, Hypothesis Testing.	**8 Hours**
Block-2:	Estimation of Simple Regression Line, Estimation Correlation Coefficient, Zero Correlation Matrix, Estimation of Values through Multiple Regression and Analysis	**8 Hours**
Block-3:	Test of Statistical Significance – χ^2 Test, T Test, F Test, ANOVA Test, Construction of Price Indices ,Deflating a Series by Price Indexes.	**8 Hours**
Block-4:	Electronic Trading –B2B, B2C and C2C-Distance Banking, Mobile Banking and ATMs and Security Issues in Electronic Transactions- ICT Sector in India,	**8 Hours**
Block-5	Electronic Stock Exchange, Data Sharing and Decimation.	**8 Hours**
Text Books:	Dass and Singh (2006), *Introduction to Computers*, Shree Publishers and Distributors, New Delhi.	
Reference Books:	1. Rajaraman, V. (1996),*Fundamentals of Computers*, Prentice Hall of India, New Delhi 2. Sanders D.H (1988), Computer Today, McGrawHill (3rd Edition), NewYork 3. Saxena, Sanjay (2012),A First Course in Computers, Prentice hall of India,NewDelhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 401	SPT –10 **MA- Economics - Semester-IV** **Rural Development**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To enable the students to understand the concepts, the theories and the problems of rural development and To analyse the pattern of economic diversification in rural areas and to examine the role of infrastructure in rural development.	
Block-1:	Rural Development; Objectives-characteristics-need for rural development -Rural Economic Rural Development Philosophy; Rural Problems. Rural Development Models; Contribution of Gandhi, VKRV Rao - Approaches of Rural Development IRDP, and PURA MGNREG rural Development.	**8 Hours**
Block-2:	Growth of Agriculture and rural development in India–Rural Development Programmes -Micro Level Planning-Design and Evaluation of Rural Development Projects-Block Plans, Rural Infrastructure and Services, Rural Transport, Education, and Sanitation Rural Energy.LocationtheoryofruralservicesLosch,Christaller,WeberandIsardModels,Rural Industrialization.	8 Hours
Block-3:	Population growth and migration, rural to rural migration rural-urban migration. To daro model implications Rural Urban Relations. Positive and Negative effects on rural social and economic life, Issues in Rural Health- IMR, Women Status- Gender Issues and Policies for Rural Women Empowerment.	8 Hours
Block-4:	Panchayat Raj Institutions, People's Participation. Role of NGOs and voluntary agencies in Rural Development.	8 Hours
Block-5	Rural development-self-help Groups (SHGs)Co-Operative Banks, Regional Rural Banks and NABARD.	8 Hours
Text Books:	Abdul Aziz (1984),Organizing Agricultural Laborers, Ashish, New Delhi.	
Reference Books:	1. Biradar, R.R (2008): Rural Non – agriculture employment in India: An Analysis of its determinants and impact on poverty and inequality, concept publishing company, New Delhi. 2. Dubashi,P.R. (1985),Rural Development in India,NewDelhi. 3. ISaty aSundaram (1996), Rural Development in India. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 402	SPT –11 MA- Economics - Semester-IV **Labour Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	TotheoreticalaswellasempiricalissuesofindustriallabourwithspecialreferencetoIndia . It covers issues pertaining the wage theories, employment policies, trade unions and collective bargaining to the globalized economy and social security measures.	
Block-1:	Meaning, Nature and Scope, Evolution of Labour Economics, Changing Dynamics of Labour Economics. Labour: Concept, Distinct Features of Labour as a Factor Input, Relationship between Labour Economics and Labour Problems.	**8 Hours**
Block-2:	Concept, Nature and Characteristics of Labour Market; Differences between Labour Market and Commodity Market. Labour Market Imperfections: Classical, Neo-Classical and Modern Approaches to Labour Market. Analysis of Demand and Supply Forces: Demand for Labour Relating to Choice of Technology, Supply of Labour in Relation to Growth of Labour Force .Labour Market Policies: Exit Policy, Globalization and Labour Market.	**8 Hours**
Block-3:	Employment: Modern Concept of Employment, Employment and Economic Development, New Dimensions of Employment. Employment Models: Classical, Neo Classical Keynesian and Modern. Wage: Concept, Theories of Wage: Classical, Neoclassical and Modern, WageDifferentials,WageDiscrimination.LabourProductivity:Concept,Measurement, Determinants and Measures to Increase Labour Productivity.	**8 Hours**
Block-4:	Theories of Labour Movement: The Marxian View and the Theory of Industrial Democracy by Sidney and Beatrice Webb. Trade Unions: Growth, Pattern, Structure and Achievements of Labour Unions in India,	**8 Hours**
Block-5	Causes of Industrial Disputes, Their Settlement and Prevention Mechanism. Labour Legislation in India: Indian Social Security Measures: Meaning and the Need, Present Status of Social Security in India, ILO.	**8 Hours**
Text Books:	Bellante,D.andM.Jackson,PT1983),*LabourEconomics*,McGraw-Hill,NewYork.	
Reference Books:	1. Borjas, G.J.(2009), *Labour Economics*, McGraw-Hill, NewYork. 2. Hunterand Mulvey,(1983),*Economics of Labour*, Macmillan. 3. Lester, R.A. (1975), *Economics of Labour*,McMillan,NewYork. 4. MittalA.C and Sanjay Prakash Sharma (2005), *Labour Economics*, RSBA Jaypur 5. ReynoldsL.G.(1998),*Labour Economics and Labour Relations*, PrenticeHall,USA. 6. SmithS.W.(1994), *Labour Economics*, Routledge,London. *** Latest editions of all the suggested books are recommended**	

Course Code: **MAEVV451**	**MA- Economics - Semester-IV** **Major Research Report** **(Based on: On the Job Training (OJT)/ Start-Up Engagements/ Family Business Exposure)**	**L-0** **T-0** **P-0** **C-4**
Course Outcomes	**On completion of the course, the students will be :**	
CO1.	Understanding the working of various departments and associated problems.	
CO2.	Understanding the importance of process and methods of research, and their applicability.	
CO3.	Understanding the working on the designing tools to collect data for research and evaluation.	
CO4.	Applying statistical tools for data processing to get information.	
CO5.	Demonstrating the results to prove their findings.	
CO6.	Writing a report with effectiveness.	
CO7.	Assessing the probable solution to a given research problem.	

Format of Major Research Report
(Based on: On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure

	The students have to submit a detail report based on: **On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure** by the students during the fourth semester. At the ends of third semester students have to inform about the choice from the above options to the program coordinator. The student will submit a detail report at the end of fourth semester, which will form part of fourth semester examination. A performance appraisal by the organization authority will be attached along with the report in case of OJT only.
	The dissertation report (based on: **On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure**) should ordinarily be based on the in-depth experience gained during any of the above engagements. The detail report of above should be prepared mentioning brief note on the business activity of the organization, its structure, details of products / services, detail report on experiential learning, status report on business/market environment in which the business activities performed, compliance report, market feasibility report and bank account details in case of Startup / Family Business, and limitation/challenges faced. Report should have Times New Roman font size (12) and double spacing. Three neatly typed and soft bound (paperback) copies of thereport are required to be submitted to the university. The report will be typed in A-4 size paper.
	Students will give presentation of the report before the jury comprising of external andinternal faculty members to be appointed by the Director of the college.

Evaluation Scheme

Details	Experiential Learning	Business Domain Knowledge	Viva Voce/Presentation	Total
Internal	20	10	20	50
External	20	10	20	50

S.No	Detail	Page No.
1	Title of the Report	**1**
	…............. (Topic/Department/Area) **At** **(Name of the Organization/Company/ Start-up / family Business)** **In partial fulfillment for the award of the degree of MA (Economics)** **Teerthanker Mahaveer Institute of Management and Technology (TMIMT)** **Teerthanker Mahaveer University, Moradabad. Uttar Pradesh** **Submitted by:** **Submitted to** **Student Name** **Internal Guide Name** **IV Semester** **Designation** **Year** **TMIMT, TMU** **Under Supervision of** **External Guide Name** **Designation**	
2	Acknowledgement	1
3	Certificate (from the Company / organization) in case of OJT/ Family Business& Registration Certificate in case of Start Up.	1
4	Table of content (Index) –with page numbers clearly identified	1

5	Organization/Company Profile (Background, History, Founder, Vision, Mission, Competitors, Organization Structure, Services, Products, Milestones, Achievements, Address) in own language.	3-4
6	Objectives of OJT/ Start-Up/ Family Business	1

Important Note

Student has to finalize the topic of the dissertation in consultation with faculty guide (Internal) and industry supervisor (external guide)

S.No	Problem Centered Training	Required number of Pages.
1	Introduction to the topic in case of OJT. Introduction of the Startup / Family Business	1-2
2	Objectives of Experiential Learning during OJT/ Startup/ Family Business	1-2
3	Market / Business Environment in which business activities performed.	4-6
4	Processes and Practices learnt during OJT/ Startup/ Family Business	3-4
5	Findings and Learning outcomes during OJT/ Startup/ Family Business	3-4
6	Challenges and Limitations faced by the student during OJT/ Startup/ Family Business	2-3
7	Future Scope of your learning	1
8	Conclusion/ Summary	1
9	References/ Bibliography (if any)	1-2

10	Appendices, viz., - Copy of Certificate - Detail of Bank Account - Rent Agreement Deed - Detail of Bank Loan - Any other approvals - Any other documents required	1-2
	Plagiarism check will be done as per norms provided by the Examination Division of the University	

Duration of the programme

Study Scheme	
SUMMARY	
Institute Name	Centre for Distance and Distance Education, Delhi Road, Moradabad
Programme	**MA - Economics**
Duration	Two Years (Distance Mode) (Four Semesters)
Medium	English
Credits	
Minimum Credits Required for Degree	128
Eligibility for the program	Graduation in any stream from UGC recognized University.

5.3. Faculty and support staff requirement

Academic Staff	Number available to meet the required delivery norms
Programme Coordinator	1 member
Course Coordinator	1 member
Course Mentor	1 member per batch of 250students

5.4. Instructional delivery mechanisms

The Centre for Distance and Distance Education of TMU comprises of faculty members and staff who are well versed in Distance delivery.

An Academic calendar depicting dates for all major events during each semester will be prepared by faculty members and shared with students through LMS, at the beginning of each academic session.

Apart from providing content in the form of Self Learning Material, enough e-learning resources in the form of audio and video content will be provided to students. Regular engagement of students will be ensured through the following means:

- Conduct of Webinars/live lectures/Distance lectures/Virtual Class

- By encouraging them to participate in mandatory Discussion Forums to stimulate their thinking, and to be able to fearlessly express their views in forums. These discussion forums will be moderated by faculty to provide equal opportBlocky for everyone to participate, as well as to ensure maintenance of decorum of the forum.

- Through periodic formative assessments

Regular evaluation of content learnt will be provided for, through Self-Assessment Questions within the SLM, as well as quizzes on the LMS. The quizzes can be taken any number of times, so that they reach a stage of being able to answer questions without errors, which is a reflection of their understanding of the concept.

Effort will be made to provide case studies to enhance their analytical ability and make right decisions.

Link to National Portals (SWAYAM/NPTEL) will be provided, as also link to University's digital library portal.
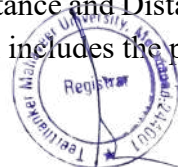
All links to additional reading will be provided in the LMS. Interested students can study beyond the confines of the syllabus.

5.5. Identification of media–print, audio or video, Distance, computer aided

LMS provides for all audio video content (e-learning material, e-pubs, faculty-led video sessions, virtual classrooms and discussion boards), dashboard of their progress in learning, comparison with their peers in terms of learning, regular notifications regarding upcoming Webinars/virtual classes, Assignments, Discussion Forum participations and Examinations. It also provides an opportBlocky for raising queries if any, and seeks answers to the same, by chat bot or course mentors.

5.6. Student Support Services
The Student Support services will be facilitated by the Centre for Distance and Distance Education, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh which includes the pre- admission

student support services like counseling about the programme including curriculum design, mode of delivery, fee structure and evaluation methods. Post-admission student support services include guiding students towards accessing e-identity card, LMS portal, Academic calendar and academic delivery. Examinations support staff shall answer queries pertaining to conduct of end- semester examinations, evaluation and issue of certificates.

6. Procedure for Admission, Curriculum Transaction and Evaluation

The purpose of Distance Learning by Teerthanker Mahaveer University, Moradabad, Uttar Pradesh is to provide flexible learning opportBlockies to students to attain qualification, wherever learners are not able to attend the regular classroom teaching. Academic programmes offered for such candidates under Distance Learning mode will be conducted by Centre for Distance and Distance Education- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh with support of the various University schools. The programmes/courses may be termed Distance mode for award of Degree. Eligibility criteria, programme/course structure, curriculum, evaluation criteria and duration of programme shall be approved by Board of Studies and Academic Council which are based on UGC guidelines.

Candidates seeking admissions in any programme offered by Centre for Distance and Distance Education- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh shall fill up Distance application form available on DOE- TMU website. Before applying, candidates must check eligibility criteria for programme that they are interested in. Details about Eligibility criteria, programme structure, curriculum, duration, and fee structure are available on the website.

6.1. Procedure for Admission:

Minimum Eligibility Criteria for admission: Graduation in any stream from UGC recognized University with minimum 50% aggregate marks.

Important Instructions:

All admissions shall be provisional until and unless candidates meet the eligibility criteria.

Admission will stand cancelled if a candidate does not meet eligibility criteria, or there is failure to pay programme/course fees.

Admission will stand cancelled, if candidate does not submit proof of eligibility within stipulated time given by Centre for Distance and Distance Education-Teerthanker Mahaveer University, Moradabad, Uttar Pradesh.

Centre for Distance and Distance Education-Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has the right to make necessary changes from time to time as deemed fit in Eligibility criteria, programme/course structure, curriculum, duration, fee structure and programme announcement dates. All changes will be notified on website.

Candidates should carefully read all instructions given in Programme prospectus before start of application form.

Fee Structure and Financial assistance policy:

Suggested Fee for MA- Economics programme is INR 5400/- per annum.

A scholarship as per Teerthanker Mahaveer University norms on tuition fees will be provided to eligible students.

6.2. Curriculum Transactions:

Programme Delivery:

Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has state-of-the-art mechanism for Distance mode of academic delivery to ensure quality education. Faculty members at TMU offer expert guidance and support for holistic development of the students. Faculty members are not mere facilitators of knowledge but they also mentor students to make learning more engaging and maintain high retention level. The programme will be delivered with an aim to provide expertise and ensure that students excel in their domains. The features of programme delivery are:

- Distance Mode of Academic Delivery
- Periodic review of Curriculum and Study material
- Live Interactive lectures from faculty / Course coordinators
- Continuous Academic and Technical support
- Guidance from Course Coordinators
- Learning and delivery support from Course Mentors

Norms for Delivery of Courses in Distance Mode:

S. No.	Credit value of the course	No. of Weeks	No. of Interactive Sessions		Hours of Study Material		Self-Study hours including Assessment etc.	Total Hours of Study (based on 30 hours per credit)
			Synchronous Distance Counseling /Webinars/ Interactive Live Lectures (1 hour per week)	Discussion Forum/ synchronous Mentoring (2 hours per week)	e-Tutorial in hours	e-Content hours		
1.	4 Credits	12 weeks	12 hours	24 hours	20	20	44	120

Learning Management System (LMS) to support Distance mode of Course delivery:

LMS Platform has been built to help learners reach their potential in their chosen programme. It is a secure, reliable learning experience tool that works consistently on Web and Mobile devices. Its simple interface makes it easy for instructors to design courses, create content and grade assignments. It provides a great mobile experience due to the responsive design which is paired with purpose-built native apps. It provides seamless accessibility to ensure all tools are standards-compliant and easy for students to navigate using assistive technologies. It provides 24 X 7 learning experience to facilitate learning as per the pace chosen by learners. Digital portfolio functionality allows students to document and share their learning journey as it happens, on both web and mobile platforms.

Course Design:

The Course content is designed as per the SWAYAM guidelines using 4-quadrant approach as detailed below to facilitate seamless delivery and learning experience

- **Quadrant-I** i.e. e-Tutorial, that contains – Faculty led Video and Audio Contents, Simulations, video demonstrations, Virtual Labs, etc, along with the transcription of the video.
- **Quadrant-II** i.e. e-Content that contains – Self Instructional Materials (Digital self-Learning Material), Case Studies, Presentation etc. and also contains web resources such as further references, Related links, Open source content on internet, research papers and journals Portable Document Format or e-Books or Illustration, video demonstrations, Historical development of the subject, Article, etc.
- **Quadrant-III** i.e. Discussion forums to raise and clarify doubts on real time basis by the Course Coordinator and his team.
- **Quadrant-IV** i.e. Self-Assessment, that contains MCQs, Problems, Quizzes, Fill in the blanks, Assignments with solutions and Discussion forum topics.

6.3. Distance Evaluation:

Distance Evaluation:					
Assessment			**Internal**	**External**	**Total**
Theory			30	70	100
Practical/ Dissertations/ Project Reports			50	50	100
Class Test-1	**Class Test-2**	**Class Test-3**	**Assignment(s)**	**Attendance**	**Total**
Best two out of three					
10	10	10	05	05	30
Duration of Examination			**External**		**Internal**
			3 Hours		1.5 Hours

To qualify the course a student is required to secure a minimum of 50% marks in aggregate including the semester end examination and teachers continuous evaluation.(i.e. both internal and external).A candidate who secures less than 50% of marks in a course shall be deemed to have failed in that course. The student should have at least 50% marks in aggregate to qualify the program.

	Question Paper Structure	
1	*The question paper shall have two section – **Section A and Section B**. The examiner shall set questions specific to respective sections. Section wise details are as under mentioned:*
2	***Section A:*** *It shall consist of short answer type questions (approx. 50 words). This section will essentially **assess CO's related to lower order thinking skills (Remembering & Understanding).** It will contain **five questions** with at least **one question from each Block with internal choice** having "or" option with optional question from the same Block. Each question shall have equal weightage of **two marks** and total weightage of this section shall be **ten marks**.*
3	***Section B*** *shall comprise of Long answer type questions (approx. 350 – 400 words). This section shall specify **the higher order thinking as well as lower order thinking skills (Analyzing, Applying, Evaluating & Creating or Remembering & Understanding)** to be assessed and **mapped with the course outcomes stated**. It shall contain **five questions with at least one question from each Block with an internal choice having "or" option** with optional question from the same Block. Each **question shall have equal weightage of twelve marks and total weightage of twelve marks** and total weightage of this section shall be **sixty marks**.*
4	***Note: In case where the course content does not have the scope of assessing higher order thinking skills, questions may be framed to assess the lower order thinking skills as per the course outcomes stated.***
	IMPORTANT NOTES:	
1	*The purpose of examination will be to assess the Course Outcomes (CO) that will ultimately lead to assessment of attainment of Programme Specific Outcomes (PSO). A question paper must assess the following aspects of learning: Remembering, Understanding, Applying, Analyzing, and Evaluating & Creating (reference to Bloom's Taxonomy).*
2	*Case Study is essential in every question paper (wherever it is being taught as a part of pedagogy) for evaluating higher-order learning. Not all the courses might have case teaching method used as pedagogy.*
3	*There shall be continuous evaluation of the student and there will be a*

	provision of fortnight progress report.

7. Requirement of the Laboratory Support and Library Resources:
7.1. Laboratory Support

No lab based courses are offered in this program.

7.2. Library Resources

Centre for Distance and Distance Education, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has excellent Library facility with adequate number of copies of books in relevant titles for MA Economics programme. The Central Library of University is also having good source of reference books. The books available at both the libraries are only for reference purpose and lending services. In addition, reference books as prescribed will be procured. The Digital library access will also be made available to students who are enrolled into Distance mode of education. In addition, the university membership on Swayam/ NPTEL/ edX will also be made available to students. Complete e-Learning resources to course would be made available on Learning Management System for learning along with e-tutorial lectures. Further, expert lectures/workshops/ webinars by industry experts would also be conducted for the students.

8. Cost Estimate of the Programme and the Provisions

Sl. No.	Expenditure Heads	Approx. Amount
1	Programme Development (Single Time Investment)	1,00,00,000 INR
2	Programme Delivery (Per Year)	12,00,000 INR
3	Programme Maintenance (Per Year)	50,00,000 INR

9. Quality assurance mechanism and expected programme outcomes

The quality of the programme depends on scientific construction of the curriculum, strong- enough syllabi, sincere efforts leading to skillful execution of the course of the study. The ultimate achievement of MA Economics programme of study may reflect the gaining of knowledge and skill in economics area. Gaining of knowledge and skills in economics may help the students to get new job, upgrading their position not only in employment, but also in the society.

The benchmark qualities of the programme may be reviewed based on the performance of students in their end semester examinations. Also, the feedback from the alumni, students,

parents and employers will be received and analyzed for further improvement of the quality of the programme.

Teerthanker Mahaveer University has constituted Centre for Internal Quality Assurance (CIQA) , which will assist Director, Centre for Distance and Distance Education to conduct periodic review and assessments and assist the Directorate to implement necessary quality measures and effectiveness in programme delivery. CIQA is constantly involved in reviewing all materials prepared by CDOE, including syllabus, SLMs and e-learning content. CIQA will be involved in conducting studies to measure effectiveness of methods adopted for learning. As we proceed further, CIQA will involve in benchmarking quality of academic delivery, and perform various analyses, and guide all stakeholders towards upgrading quality constantly.

Centre for Internal Quality Assurance (CIQA) chaired by the Vice Chancellor consisting of internal and external experts oversees the functioning of Internal Quality Assurance Cell and approve the reports generated by Centre for Internal Quality Assurance on the effectiveness of quality assurance systems and processes.

The guidelines on quality monitoring mechanism prescribed by the UGC have been adopted by the Centre for Internal Quality Assurance for conducting institutional quality audits, to promote quality assurance and enhance as well as spread best-in-class practices of quality assurance. University has setup an effective system for collecting feedback from the stakeholders regularly to improve its programmes. The University will conduct self- assessments regularly and use the results to improve its systems, processes etc. and finally quality of programmes.

Program Project Report (PPR)

of

Masters of Economics (MA – Economics)

Centre for Online Education

TEERTHANKER MAHAVEER UNIVERSITY

N.H.-24, Delhi Road, Moradabad, Uttar Pradesh, 244001
Website: www.tmu.ac.in

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PROGRAMME PROJECT REPORT (PPR) – Online
MA-Economics

1. Introduction:

High-quality management education is essential for the digital age and using technology is powerful way to enhance changing requirements of the corporate, business enterprises and society. Online MA (Economics) students should be equipped to work across time zones, languages, and cultures. Employability, innovation, theory to practice connectedness is the central focus of this curriculum. The curriculum is designed as such that thestudents can gain an in-depth mastery of the academic disciplines and applied functional areas necessary to meet the requirements of economic enterprises and the industry.

The **Teerthanker Mahaveer University, Moradabad** Online MA (Economics) Programme imparts knowledge and skill sets to students to achieve this, and face real world challenges. It teaches application of innovative practices to current economic situations. It incorporates analysis of contemporary issues besides providing a strong theoretical foundation. It provides a collaborative learning environment with dedicated faculty to ensure students achieve their full potential. The Programme teaches one to work smartly, take the lead in critical situations, and influence economic decisions more effectively. It teaches one to not only work efficiently, but also shape the economic environment and create opportBlockies for further growth.

The University emphasizes on the following courses *balanced with core and elective courses.* The curriculum of this program emphasizes an intensive, flexible education with total 128 credits. The programme structure and credits for MA (Economics) are finalized based on the stakeholders' requirements and general structure of the programme.

The Online MA (Economics) Programme is a two-year Programme with inclusion of various specializations, the programme aims at developing focused managers with a strong understanding of their area of specialization, even as the core subjects equip the students with fundamental economic theories and concepts along with less tangible, but equally important soft skills. The Programme is designed to inculcate confidence, improve knowledge, and act as a catalyst in the search for success and growth.

1.1. Programme Mission and Objective:

To offer a high-quality Masters' degree in economics through Online mode to the students and working professionals to help them to develop managerial and leadership skills to enhance their career prospects in field of economics. The students will be able to move up their career ladder and/or launch out on an entrepreneurial career by understanding the economic environment.

The objectives of the programme include:

- Introduce students to the basic concepts and domains of economics including Basics

of Economics, Development Economics, Agricultural Economics and International Economics.

- Equip students with analytical skills and decision making.
- Sharpen the skills of students and enable them to practice quantitative method techniques.
- Inculcate entrepreneurial skills managerial concepts with leadership skills.
- Develop knowledge about emerging economics areas and technologies

2. Relevance of Programme with Teerthanker Mahaveer University, Moradabad - Mission and Goals:

In order to align with the mission and goals of Teerthanker Mahaveer University Moradabad, the Programme is planned to enable students and working professionals gain knowledge in various domains of management, specialize in a domain of their choice, gain knowledge of not only skills including analysis, data based decision making and applying economic theories, but also introduce them to leadership role in newer and emerging markets, products and technologies.

2.1. Vision:

- To develop conceptual knowledge, practical insights and skills to deal with challenges present in economic environment.

2.2. Mission:

- To develop knowledge, skills and competencies in field of economics.
- To enable learn while you earn for the employed citizens thereby promoting continuous learning and application in their work life.
- To enable industrial employees to improve their qualifications without leaving their existing careers and enhance their employability in to managerial positions post completion of their degrees.

3. Nature of Prospective Target Group of Learners:

The programme is specially designed to cater the need of students who are not able to study through regular mode. Working professionals, housewives, students from rural areas, students who do not wish to prefer regular courses due to various reasons and students who cannot afford costly regular courses are the target group learners.

4. Appropriateness of programme to be conducted in online mode to acquire specific skills and competence:

The courses in the programme are delivered through Self-Learning Management System e-Module which is a modular Block of e-learning material which is inter-alia self-explanatory, self-

contained, self- directed at the learner, and amenable to self-evaluation, and enables the learner to acquire the prescribed level of learning in a course of study and includes contents in the form of a combination of the following e-Learning content, and made available through four-quadrant approach namely,

(a) e-Tutorial - faculty led Audio - Video Lectures, (b) e-Content (combination of PDF/ epub) Text Materials, (c) Discussion forum for raising of doubts and clarifying the same on real time basis by the Course Coordinators/Course Mentors assigned to students (d) Self- Assessment Quiz, Test and Assignments to reinforce learning. Reference books are also mentioned in the syllabus. Latest Edition of Reference books may be referred to.

A robust Learning Management System that keeps track of delivery of e-Learning Programmes, learner's engagement, assessment, results and reporting in one centralized location, is in place. All of the above can be done/delivered by online and other platforms without much loss of fidelity. Hence the MA (Economics) programme is suited for online mode of learning.

5. Instructional Design:
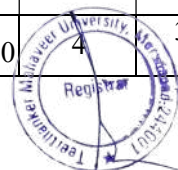### 5.1. Curriculum Design:

Curriculum has been designed by experts in the area of economics and care has been taken to include contemporary topics, as well as topics that also inculcate environmental awareness in students. The curriculum and syllabus are approved by the Board of Studies, Centre for Internal Quality Assurance (CIQA) and University Academic Council which consists of experts from Academia and Industry.

5.2. Programme structure and detailed syllabus:

<u>MA (Economics)</u>

Semester I

S. N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-1	MAECC101	Micro Economics	4	0	0	4	30	70	100
2	CC-2	MAECC102	Macro Economics	4	0	0	4	30	70	100
3	CC-3	MAECC103	Public Economics	4	0	0	4	30	70	100
4	CC-4	MAECC104	Mathematical Economics	3	2	0	4	30	70	100
5	CC-5	MAECC105	Financial Institutions and Markets	4	0	0	4	30	70	100
6	SPT-1	MAESP101	Environmental Studies	4	0	0	4	30	70	100

S.N	Category	Course Code	Course	L	T	P	Credit	Internal	External	Total
7	SPT-2	MAESP102	Health Economics	4	0	0	4	30	70	100
8	SPT-3	MAESP103	Demography	4	0	0	4	30	70	100
Total				31	2	0	32	240	560	800

Semester II

S.N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-6	MAECC201	Advanced Micro Economics	4	0	0	4	30	70	100
2	CC-7	MAECC202	Advanced Macro Economics	4	0	0	4	30	70	100
3	CC-8	MAECC203	Indian Public Finance	4	0	0	4	30	70	100
4	CC-9	MAECC204	Statistical Techniques for Economics	3	2	0	4	30	70	100
5	SPT-4	MAESP201	Economics of Insurance	4	0	0	4	30	70	100
6	SPT-5	MAESP202	Regional and Urban Economics	4	0	0	4	30	70	100
7	SPT-6	MAESP203	Environmental Economics	4	0	0	4	30	70	100
8	OE-1	MAEOE201	Indian Economy*	4	0	0	4	30	70	100
9	Viva-Voce	MAEVV251	Comprehensive Viva- Voce	0	0	0	4	50	50	100
Total				30	2	0	36	290	610	900

Semester III

S.N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-10	MAECC301	Economics of Growth	4	0	0	4	30	70	100
2	CC-11	MAECC302	International Economics	4	0	0	4	30	70	100
3	CC-12	MAECC303	Research Methodology	3	2	0	4	30	70	100

				L	T	P		Internal	External	
4	CC-13	MAECC304	Econometrics	3	2	0	4	30	70	100
5	SPT-7	MAESP301	Agricultural Economics	4	0	0	4	30	70	100
6	SPT-8	MAESP302	Industrial Economics	4	0	0	4	30	70	100
7	SPT-9	MAESP303	India and Global Economy *	4	0	0	4	30	70	100
8	Viva Voce	MAEVV351	Summer Internship	0	0	0	4	50	50	100
Total				**30**	**4**	**0**	**32**	**260**	**540**	**800**

Semester IV

S. N	Category	Course Code	Course	Periods			Credit	Evaluation Scheme		
				L	T	P		Internal	External	Total
1	CC-14	MAECC401	Economics of Development	4	0	0	4	30	70	100
2	CC-15	MAECC402	Advanced International Economics	4	0	0	4	30	70	100
3	CC-16	MAECC403	Indian Economic Policy	4	0	0	4	30	70	100
4	CC-17	MAECC404	Computer Applications in Economics	4	0	0	4	30	70	100
5	SPT-10	MAESP401	Rural Development	4	0	0	4	30	70	100
6	SPT-11	MAESP402	Labour Economics	4	0	0	4	30	70	100
7	Project	MAEVV451	Major Research Project	0	0	0	4	50	50	100
			Total	**24**	**0**	**18**	**28**	**230**	**470**	**700**

Note- A student who successfully qualifiesTwo MOOCs on SWAYAM/NPTEL of equal credits shall be exempted from the courses after obtaining the permission from ProgrammeCoordinator.
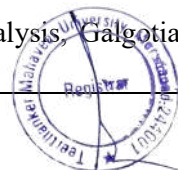
Course Code: MAECC101	Core Course – 1	L-4 T-0 P-0 C-4
	MA - Economics - Semester-I	
	Micro Economics	

Course Outcomes:	On completion of the course, the students will be :
CO1.	The paper aimed at conceptualization, understanding and analyzing the behavior of individuals, firms and markets;
CO2.	To study the recent theoretical advancements and promote practical applications of the same..
CO3.	Applying various Economics concepts, theories, philosophies functions for an effective management of economic environment of the organization.
CO4	Analyzing the influence of historical economic thoughts on the current practice of management.
CO5.	Assessing social responsibility and ethical issues involved in society and logically articulate position on such issues.

	Course Content:	
Block-1:	**The Nature and Scope of Economic Theory** The Economic Problem- Scarcity and Choice- Scope of Economic Theory and Basic Economic Problems- Microeconomics-importance and use, Nature of scientific theories- derivation of economic theories and nature of economic reasoning; deductive and inductive method; role of assumption in economic theory.	**8 Hours**
Block-2:	**Demand Analysis and Theory of Consumer's Choice** Demand function-Cardinal utility approach-laws of cardinal utility analysis- law of diminishing marginal utility- law of equi-marginal utility; equilibrium of the consumer through cardinal utility analysis. Ordinal utility analysis of demand; Properties of indifference curves; consumers equilibrium; income effect-Derivation of Engel curve from income effect - substitution effect-Hicks-Allen and Sultsky substitution effect; Revealed preference theory- Hick's logical ordering theory of demand; Recent developments in theory of demand.	**8 Hours**
Block-3:	**Theory of Production** The theory of production: Production Function- production with one variable factor- Law of variable proportions- three stages of production, Production function with two variable factor. Cobb-Douglas production function. Laws of production - Laws of returns to scale.	**8 Hours**
Block-4:	**Cost Analysis** Optimum Factor Combination-Iso-cost line- Least cost combination of factors. Cost Analysis- Technological Efficiency versus economic efficiency- the concepts of costs: opportBlocky cost.	**8 Hours**

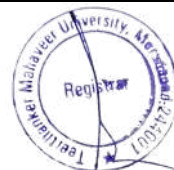|		
Block-5:	**Price and output determination in Market structures** Introduction to market structure- equilibrium of the firm and industry under prefect competition- price and output determination under monopoly and monopolistic competition- Chamberlin's theory of monopolistic competition; Oligopoly; Non-collusive models; Cournot's oligopoly model; Bertrand's model; Edgeworth's model; Chamberlin's duopoly model; Stackelberg's model; Kinked demand Curve model.	**8 Hours**
<u>**Text Books:**</u>	• Ahuja, H. L. (2010): Advanced Economic Theory, S. Chand & Co., New Delhi • Dwivedi (2008), *Microeconomics: Theory and Applications* (Second Edition), Dorling Kindersley (India) Pvt. Ltd.	
<u>**Reference Books:**</u>	• Koutsoyiannis A (1982): Modern Micro Economics, McMillan. • Sen, Anindya (1999): Microeconomic Theory and Applications, Oxford University, Press, New Delhi. • Varian. H. (2000), *Micro Economic Analysis*, W.W. Norton, New York. *** Latest editions of all the suggested books are recommended.**	

Course Code: MAECC102	Core Course -2	L-4 T-0 P-0 C-4
	MA – Economics - Semester-I	
	Macro Economics	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper equips the students to understand macro trends in different variables.	
CO2.	Systemic facts and latest theoretical developments for empirical analysis	
Course Content:		
Block-1:	**National Income and Accounts** Concepts of Macro Economics, Circular Flow of Income in two, three and four sector economy; Different forms of national income accounting - Social accounting; Input - output accounting; flow of funds accounting and balance of payments accounting and Green Accounting	**8 Hours**
Block-2:	**Classical and Macroeconomic Models** Basic assumptions of the classists, Says Law of Market, Wage price flexibility, criticisms of classical theory. The Keynesian System- The role of aggregate demand- Components – consumption function; Alternative Theories of consumer behaviour. Investment function- MEC and capital accumulation- Accelerator and investment behavior.	**8 Hours**
Block-3:	**Modern Development in Macroeconomics** Monetarism- Rational expectations- views of Mutt, Wallace, R.E.T Sargent and Lucas. Supply side economics- supply shocks, stagflation-wedge model- Laffer curve. Kaleckis pricing model- Small Menu Cost Model – Wage contract model.	**8 Hours**
Block-4:	**Inflation** Classical, Keynesian and Monetarist approaches to inflation; Structuralist theory of inflation;	**8 Hours**
Block-5:	Philips curve analysis-short run and long run Philips curve -Tobin's modified Philips curve; Adaptive expectations and rational expectations; Policies to control inflation .	**8 Hours**
Text Books:	1. Ackley, G., (1978), *Macroeconomic: Theory and Policy,* Macmillan, New York 2. Branson, W.A., (1989), *Macroeconomic Theory and Policy*, (3rd Edition), Harper and Row, New York,	
Reference Books:	3. Dwivedi, D.N. (2001), Macroeconomics: Theory and Policy, Tata McGraw Hill Publishing Company Limited, New Delhi, 4. Rana and Verma (1981), Macroeconomic Analysis, Vishal Publishing House, New Delhi 5. Romer, D.L., (1996), Advanced Macroeconomics, McGraw Hill Publishing Company Ltd. New Delhi, 6. Shapiro, E., (1996), Macroeconomic Analysis, Galgotia Publications, New Delhi	

Course Code: MAECC103	Core Course – 3 MA – Economics - Semester-I **Public Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main aim of the paper is to provide an understanding of concepts and theories of Public Economics;	
CO2.	Impart to the student a thorough understanding of significance and implications of government's activities for growth in a modern economy.	
Course Content:		
Block-1:	Public Economics: Origin, Meaning and Subject Matter. Role of Government, Functions of Government: Allocation, Distribution and Stabilization. Market Failure: Decreasing Costs, Provision of Public Goods; Externalities; Informational Asymmetry; Theory of Second Best.	**8 Hours**
Block-2:	Voting systems: Concepts and Types, Majority voting and its instability; Problem of Preference Revelation: Wicksell, Buchanan and Tullock views; Political equilibrium. Bowen's Model; Arrow's Impossibility Theorem; Black Theorem; Economic Bureaucracy: Niskanan Monopoly Government; Rent Seeking and Directly Unproductive Profit Seeking (DUP) Activities.	**8 Hours**
Block-3:	Allocation of Resources: Benefit Approach: Lindahl Voluntary Exchange Model; Ability to Pay Approach. Samuelson Theory of Public Goods; Tiebout Model; Buchanan Theory of Club Goods.	**8 Hours**
Block-4:	Theories of Public Expenditure: Wagner's Law of Increasing State Activities, Wiseman- Peacock Hypothesis. Criteria for Public Investment: Social Cost-Benefit Analysis. Budgeting: Programme Budgeting and Zero Base Budgeting.	**8 Hours**
Block-5:	Public Debt: Sources and Principles of Debt Management and Repayment; Crowding Out of Private Investments	**8 Hours**
Text Books:	1. Herber, B. P. (2004), *Modern Public Finance*, AITBC Publishers, New Delhi. 2. Hyman, D. N. (1983), *Public Finance- A Contemporary Application of Theory to Policy,* The Dryden Press Chicago.	
Reference Books:	1. Jha H. (1998), *Modern Public Economics*, Routledge, London. 2. Lekhi, R. K. (2000), *Public Finance,* Kalyani Publishers, New Delhi. 3. Musgrave, R. A. (1959), *The Theory of Public Finance-A Study in Public Economy,* 4. McGraw Hill Book Co., New York. 5. Musgrave, R. A. and P. B. Musgrave (1989), *Public Finance-Theory and Practice,* 6. McGraw Hill Book Co., New Delhi. 7. Stieglitz, J. E. (2000), *Economics of Public Sector,* W. W. Norton and Co., New York. *** Latest editions of all the suggested books are recommended.**	

Course Code: MAECC104	Core Course – 4 MA- Economics - Semester-I **Mathematical Economics**	L-3 T-2 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	The main objective of this paper is to train the students to use the techniques of mathematical analysis, which are commonly applied to understand and analyze economic problems.	
Course Content:		
Block-1:	Concept of Mathematical Economics, Laws of Sets, Functions and Applications – Linear Demand and Supply Function; Market Equilibrium; Effects of Specific Tax and Subsidy on Equilibrium Price and Quantity.	**8 Hours**
Block-2:	Calculus - Limit, Continuity and Derivatives; Rules of Differentiation, Uses in Economics; Marginal Concept; Marginal Cost; Revenue; Utility; Elasticity's and Types; Partial Differentiation	**8 Hours**
Block-3:	Problems of Maxima and Minima; Unconstrained and Constrained; Optimization in Simple Economic Problems; Concept of Integration; Some Simple Rules of Integration and Applications to Consumer's Surplus and Producer's Surplus.	**8 Hours**
Block-4:	Matrix, Algebra- Types, Matrix Inverse and Rank of a Matrix; Determinants and their Basic Properties; Solution of Simultaneous Equations through Cramer's Rule	**8 Hours**
Block-5	Introduction to Input-Output Analysis	**8 Hours**
Text Books:	1. Barry Bressler, (2001), *A Unified Introduction to Mathematical Economics*, McGrawHill, New York.	
Reference Books:	1. Bose D (2003): An Introduction to Mathematical Economics, Himalaya Publishing house, 2. Chiang A.C.(2000), *Introduction to Mathematical Economics*, McGraw Hill, New York. 3. Edward T. Dosling (1992), *Introduction to Mathematical Economics*, Schaum's outline series Tara McGraw Hill, New Delhi. 4. Monga G.S (1972), *Mathematical and Statistics for Economists*, Vikas Publishing House, New Delhi. 5. Veerachamy R. (2002): Quantitative Methods for Economists. New Age International Publishers, Bangalore. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC105	Core Course – 5 MA- Economics - Semester-I **Financial Institutions and Markets**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The student of economics should be well conversant with the theory and practice of different financial institutions and markets To understand and analyses the interconnection between the monetary forces and realforces,theirdevelopmentalroleandlimitationsinshapingandinfluencingthemonetaryand related policies at the national.	
Block-1:	Money and Finance- Money and Near Money –Financial Intermediation and Financial Intermediaries Structure of the Financial System – Functions; Equilibrium in Financial Market- Financial System and Economic Development –Risk and Financial Assets- Types of Risks- Returns on Assets.	**8 Hours**
Block-2:	Commercial Banking – Functions - Credit Creation and its Control- Non Performing Assets; Central Bank- Credit Control Measures - The Problem of the Rupee and Issues related to Indian Currency; Development Banks – NBFIs and their Role and Functions - Financial Sector Reforms in India- Recent Issues.	**8 Hours**
Block-3:	Role and Structure of Money Market- Call Money Market; Treasury Bill Market- Commercial Bill Market; Including Commercial Paper and Certificate of Deposits- Discount Market- Govt. Securities Market- Market for Derivatives-, Forwards- Futures Options and Swaps; Structure of Capital Market - Stock Exchange Markets - Trading Regulations - SEBI – National Stock Exchange.	**8 Hours**
Block-4:	Foreign Exchange Rates - International Monetary Fund- International Liquidity-Leading Operation of World Bank and its Affiliates; Working of International Development Agency and International Finance Corporation;	**8 Hours**
Block-5	Asian Development Bank and India; Euro-Dollar and Euro Currency Markets.	**8 Hours**
Text Books:	Bholey L.M. (1999), *Financial Institutions and Markets*, Tata McGraw Hill Co Ltd,New Delhi	
Reference Books:	1. Bholey L.M.(2000),*Indian Financial Systems*,Chugh Publications, Allahabad 2. Johnson H.J.(1993),*Financial Institutions and Markets*, McGraw Hill Co Ltd, NewYork 3. KhanY.M.(1996), *Indian Financial System*,Tata McGraw Hill CoLtd, NewDelhi 4. Machiraju,M.R.(1999),*IndianFinancialSystem,*VikasPublishingHouse,NewDelhi *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP101	SPT - 1	L-4 T-0 P-0 C-4
	MA-Economics - Semester-I	
	Environmental Studies	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	Understanding ecology and environment for promoting sustainable development.	
CO2.	Understanding environmental policies, practices and Acts and its application in industries.	
CO3.	Applying the measures to control pollution.	
CO4.	Analyzing the opportBlockies to make optimum use of natural resources and biodiversity.	
CO5.	Applying the disaster management skills in case of disaster.	
Course Content:		
Block-1:	**Introduction and Evolution of Environmental Studies:** **Definition and Scope** of environmental studies, multidisciplinary nature of environmental studies, concept of sustainability & sustainable development. **Ecology and Environment:** Concept of an Ecosystem- its structure and functions, Energy Flow in an Ecosystem, Food Chain, Food Web, Ecological Pyramid & Ecological succession, Study of following ecosystems: Forest Ecosystem, Grass land Ecosystem & Aquatic Ecosystem & Desert Ecosystem.	**8 Hours**
Block-2:	**Natural Resources:** Renewable & Non-Renewable resources; Land resources and landuse change; Land degradation, Soil erosion & desertification. Deforestation: Causes & impacts due to mining, Dam building on forest biodiversity & tribal population. Energy Resources: Renewable & Non-Renewable resources, Energy scenario & use of alternate energy sources, Case studies. Biodiversity: Hot Spots of Biodiversity in India and World, Conservation, Importance and Factors Responsible for Loss of Biodiversity, Bio-geographical Classification of India.	**8 Hours**
Block-3:	**Environmental Pollutions:** Types, Causes, Effects & control; Air, Water, soil & noise pollution, Nuclear hazards & human health risks, Solid waste Management; Control measures of urban & industrial wastes,	**8 Hours**

	pollution case studies.	
Block-4:	**Environmental policies & practices:** Climate change & Global Warming (Greenhouse Effect), Ozone Layer - Its Depletion and Control Measures, Photochemical Smog, Acid Rain Environmental laws: Environment protection Act; air prevention & control of pollution act, Water Prevention & Control of Pollution Act, Wild Life Protection Act, Forest Conservation Acts, International Acts; Montreal & Kyoto Protocols & Convention on biological diversity, Nature reserves, tribal population & Rights & human wild life conflicts in Indian context.	**8 Hours**
Block-5:	**Human CommBlockies & Environment:** Human population growth; impacts on environment, human health & welfare, Resettlement & rehabilitation of projects affected person: A case study, Disaster Management; Earthquake, Floods & Droughts, Cyclones & Landslides, Environmental Movements; Chipko, Silent Valley, Vishnoi's of Rajasthan, Environmental Ethics; Role of Indian & other regions & culture in environmental conservation, Environmental communication & public awareness; Case study	**8 Hours**
Text Books:	1. De A. K. ,Environmental Chemistry, New Delhi : New Age Publishers Pvt. Ltd.	
Reference Books:	1. Bryant, P. J., Biodiversity and Conservation, New Delhi: Hypertext Book 2. Tewari, Khulbe& Tewari , Textbook of Environment Studies, New Delhi: I.K. Publication 3. Masters, G. M. Introduction to Environmental Engineering and Science, New Delhi : Prentice Hall India Pvt. Ltd. 4. Odem, E. P , Fundamentals of Ecology, New Delhi : W. B. Sannders Co. ***Latest editions of all the suggested books are recommended.**	

Course Code: MAESP 102	SPT – 2 MA- Economics - Semester-I Health Economics	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main aim of the paper is to enable a student to teach basic economic issues and aspects of health economics and to know about health cost, efficiency and health care system.	
Block-1:	Definition and Dimensions of Health–Morbidity– Mortality and Life Expectancy; Occupational Health Hazards; Determinants of Health –Mal-Nutrition, Demand for Health Services, Health Indicators and theirCorrelation with the Level of Economic Development Infant Mortality Rate,MMR BMI, CMR, TFR.	8 Hours
Block-2:	Need for Economic Evaluation – Theoretical bases of Economic Evaluation. Practical steps in Economic Evaluation: Cost Analysis (CA) – Cost Benefit Analysis (CBA) – Cost Effective Analysis (CEA) and Cost Utility Analysis (CUA); Issues in the Measurement of Costs–Hospital cost inflation; Measuring Benefits in Economic Evaluation – Valuing of Health Outputs.	8 Hours
Block-3:	Contracting–Transaction Cost–Health Sector contracting. Laissez- faire approach to healthcare industry, Market Structures – Imperfect Competition –Provider Competition in HealthCare– Monopoly–Oligopoly and Contestability; Hospital and Health provider Behaviour and Motivation – Profit Maximization; Economics of Regulation – Regulation in Health Sector.	8 Hours
Block-4:	Health Care System – Public and Private Health Systems; Health Care Delivery in India –Health Care Financing – Trends in Public Expenditure;	8 Hours
Block-5	Social Security schemes. Health Sector Reforms – Private – Public Mix–UserFees, NFHS; Indian National Health Policy, NRHM.	8 Hours
Text Books:	Alistari McGuire, John Henderson and Gavin Money(1998) Economics of Health Care: An Introductory Text, Routledge and Kegan Paul, New York.	
Reference Books:	1. David Daren(1975)National Health Insurance: Benefits, Costs and Consequences, Brookings Institutions. 2. William Jack (1999) Principles of Health Economics for Developing countries, WBI Development Studies, The World Bank, Washington, D.C. 3. Pearce D and P Das Gupta (1982)Social Benefit Cost Analysis, Macmilan, London. *** Latest editions of all the suggested books are recommended**	

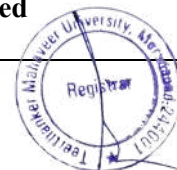| Course Code: MAESP1 03	SPT – 3	L-4 T-0 P-0 C-4
	MA- Economics - Semester-I	
	Demography	
Course Outcomes :	**On completion of the course, the students will be :**	
CO1.	The main objective of this paper is to make the students aware of the importance of population in economic development. The paper also enlightens the student on the quantitative and the qualitative aspects of the population through various demographic techniques.	
Block-1:	Meaning and Scope of Demography – Population Studies and Demography – Relation with other Disciplines – Size, Composition and Distribution of Population – Demographic Data Base in India: Study of Census in India; Changing characteristics and Occupational Structure of population in India.	**8 Hours**
Block-2:	Malthusian Theory–Post Malthusian Theories-Marxideason Population–Optimum Theory of Population– Theory of Demographic Transition; Models of Meadows, Enke, Becker and Easterlin; Population and Development.	**8 Hours**
Block-3:	Fertility-Measurement of Fertility, Factors Influencing Fertility, Fertility levels, Fertility in India. Mortality– Measurement, levels and trends in India, Infant Mortality; Life Table. Migration- Concept and Types, Factors Affecting and Theories of Migration.	**8 Hours**
Block-4:	Population Trends in 21st Century- Population Explosion, Age and Sex Structure. Urbanization–Rural- Urban Population, Population, Development and Environment Linkages. Population Policy– Meaning and Importance.	**8 Hours**
Block-5	Population Policy– Meaning and Importance.	**8 Hours**
Text Books:	Agarwal S.N.(1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.	
Reference Books:	1. Bogue, D.J (1971) Principles of Demography, John Wiley, New York. 2. Choubey, P.K.(2000),PopulationPolicyinIndia,KanishkaPublications,NewDelhi. 3. Gupta, J.A.(2000),NewReproductiveTechnogies,Women'sHealthandAutonomy,Indo Dutch Studies. 4. Coals,A.J.and E.M.Hoover(1958),Population Growth and Economic Development in Low income *** Latest editions of all the suggested books are recommended**	

Course Code: MAEC C201	CC – 6 **MA- Economics - Semester-II** **Advanced Micro Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To enable the students to understand the theories of distribution and thereby understanding the fundamentals of welfare economics To analyze the working of general and partial equilibrium.	
Block-1:	Models of the low cost and dominate firm price leadership - Barometric price leadership - Concept of joint profit maximization and market sharing cartels; Baumol's sales maximization theory– Managerial theories of firm: Marris managerial theory of firm, Williamson's managerial theory of firm- Theories of limit pricing: Bain's model, Solos model of limit pricing, Modigliani's model of limit pricing, Bhagwati's Extension of Modigliani's model. Theory of Games.	**8 Hours**
Block-2:	Marginal Productivity theory of Distribution: Clark's version, Marshall-Hick's Marginal Productivity theory, Euler's theorem and Product Exhaustion Problem, Wicksteed's Solution of Product Exhaustion Problem. Wage determination in case of perfect competition and monopsony. Theory of Rent: Ricardian Theory of rent. Theories of interest: classical theory of interest-loanable funds theory - Keynes's Liquidity Preference Theory of Interest- Hicks-Hansen's synthesis of classical theories- Theory of profits.	**8 Hours**
Block-3:	General Equilibrium Analysis: Partial and General Equilibrium -Walrasian model – existence uniqueness and stability of equilibrium. Welfare Economics- Role of Value Judgment-Conditions of Pareto Optimality- Compensation Principle:Kaldor-Hicks Welfare Criterion-Scitovsky Paradox. Social Welfare: Pareto SocialWelfare Function, Rawlsian Social Welfare function, Bergson-Samuelson's Social Welfare Function.	**8 Hours**
Block-4:	The Concept of Risk: Risk Behaviour - Risk Aversion - Gambling - Insurance –Portfolio Selection - Consumption and Competitive Firm under Uncertainty.	**8 Hours**
Block-5	Information Problem and Markets with Asymmetric Information: Problems of Lemons; Allocate Inefficiency, Market Signaling.	**8 Hours**
Text Books:	Ahuja,H. L.(2010):Advanced EconomicTheory,S.Chand & Co., New Delhi	
Reference Books:	1. Dwivedi(2008),*Microeconomics:TheoryandApplications*(SecondEdition), Dorling Kindersley (India) Pvt. Ltd. 2. Koutsoyiannis A (1982):Modern Micro Economics, McMillan. 3. KrepsDavid.M.(1990),*ACourseinMicroeconomicTheory,*PrincetonUniversity	

	Press, Princeton.
	* Latest editions of all the suggested books are recommended

Course Code: MAECC 202	**CC – 7** **MA- Economics - Semester-II** **Advanced Macro Economics**	**L-4** **T-0** **P-0** **C-4**
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper equips the students to understand advanced issues in Macro Economics Latest theoretical developments for empirical analysis	
Block-1:	Classical, Keynesian and Post-Keynesian; Patinkin - Real Balance Effect; Approaches of Baumol, Tobin and Friedman. Supply of Money- Measures of money supply. Mechanism of Monetary expansion and contraction (deterministic and behavioural models); Determinants of money supply.	**8 Hours**
Block-2:	General equilibrium model in Two Sector System – the Real market – Money market ; Shifting IS Curve, Shifting LM Curve – Simultaneous shift of IS and LMCurve . IS – L Mmodel with Government Sector – IS-LM model with Labour Market; IS – LM model with Price flexibility.	**8 Hours**
Block-3:	The Flexible Accelerator Theory of Investment; Lags in Investment - Koyek's Approach-Financial theories of Investment-Its criticisms– Duesenberry's Financial theory of Investment - Jargenson's Neo-Classical theory of Investment. Business Cycle - Theories of Schumpeter, Kaldor, Samuelson and Hicks Goodwin's model.	**8 Hours**
Block-4:	The theory of economic policy, - target and Instrumental variables, policy lags. Monetary policy– Rules Vs Discretion, Monetary targeting and inflation.	**8 Hours**
Block-5	Fiscal policy, Okun's Law –Growth Vs Stability and Macro economic policy during reform period.	**8 Hours**
Text Books:	Ackley,G.,(1978),*Macroeconomic: Theory and Policy,* Macmillan, New York	
Reference Books:	1. Branson,W.A.,(1989),*MacroeconomicTheoryandPolicy,*(3rdEdition),Harp erandRow,New York, 2. Dwivedi,D.N.(2001),*Macroeconomics: Theory and Policy*, Tata McGraw Hill Publishing Company Limited, New Delhi, 3. Mankiw,N.G.(1994),*Macroeconomics,*(2nd Edition.),Worth Publisher, NewYork 4. Ranaand Verma(1981),Macroeconomic Analysis,Vishal Publishing House,NewDelhi 5. Romer, D.L.,(1996),*Advanced Macroeconomics*, McGraw Hill Publishing Company Ltd.New Delhi, *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 203	CC – 8	L-4 T-0 P-0 C-4
	MA- Economics - Semester-II	
	Indian Public Finance	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	Introduces to a macro perspective on fiscal policy, principles of fiscal federal practices in India. To well-equip students about tax system and budgetary procedure as stabilization instrument.	
Block-1:	Tax Incidence: Incidence and Shifting of Tax and Tax Burden, Modern Theory of Incidence; Allocative and Equity Aspects of Individual Taxes. Taxable Capacity; Theory of Optimal Taxation and Measurement of Dead Weight Losses; Trade-Off between Equity and Efficiency; the Problem of Double Taxation.	**8 Hours**
Block-2:	Fiscal Policy: Objectives, Interdependence of Fiscal and Monetary Policies. Budget: Meaning and Components, Budgetary Deficits and its Implications. Built- in Stabilizers and Discretionary Fiscal Policy, Effectiveness - Anti-Inflationary Fiscal Policy; Balanced Budget Multiplier.	**8 Hours**
Block-3:	Vertical and Horizontal Imbalances; Inter-governmental Grants; Fiscal Federalism in India: Constitutional Provisions; Assignment of Functions and Sources of Revenue; Finance Commissions - Criteria for Transfer of Resources and NITI A yoga; Centre-State Financial Relations in India; Problems of States Resources and Indebtedness.	**8 Hours**
Block-4:	Major Taxes in India; Reforms in Direct and Indirect Taxes, Task Force on Implementation of FRBM Act and Kelkar Committee Recommendations, GST and its Implications.	**8 Hours**
Block-5	Analysis of Recent Central and State Government Budgets; Fiscal Sector Reforms in India.	**8 Hours**
Text Books:	Bhatia H. L(1996), *Public Finance*,(19th Ed),Vikas Publishing House, New Delhi.	
Reference Books:	1. Jha,Raghavendra(1998),*Modern Theory of Public Finance,* Wiley Eastern Ltd.,New Delhi. 2. Lekhi,R.K. (2000),*Public Finance,* Kalyani Publishers, New Delhi. 3. Mithani,D.M.(2006),*Principles of Public Finance and Fiscal Policy*, Himalaya Publishing House, New Delhi. 4. Srivastava,D.K.(2005),*Issues in Indian Public Finance,* New Century Publication, New Delhi. 5. Sundaram,K.P. M and K. K. Andley (2003), *Public Finance-Theory and Practice,*S. Chand and Co.Ltd., New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 204	CC – 9 **MA- Economics - Semester-II** **Statistical Techniques for Economics**	L-3 T-2 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The main objective of this paper is to train the students to use the techniques ofstatistical analysis that are commonly applied to understand and analyze economic problems. To provide basic inputs of applied statistics and application of Statistical tools in applied economics.	
Block-1:	Basic concepts of Statistics, Sources of Data – Primary and Secondary; Sampling - Simple Random, Stratified and Systematic Random Sampling Methods; Tabulation and Frequency Distribution, Graphical representation of Data.	**8 Hours**
Block-2:	MeasuresofCentralTendency;Mean,Median,Mode;MeasuresofDispersion-Range,QuartileDeviation,Meandeviation,Standarddeviation;LorenzCurve;Coefficient of Variation; Skewness and Kurtosis.	**8 Hours**
Block-3:	Correlation: Simple, Coefficient of correlation – Karl Pearson and Rank Correlation, Partial and Multiple correlation Analysis, Regression analysis – Estimation of regression line in abivariate distribution– Least squares method, interpretation of regression coefficients.	**8 Hours**
Block-4:	Analysis of Time Series; Components of Time Series-Trend, Seasonal, Cyclical and Irregular Variations; Estimation of Trend Values; Fitting of Straight Lines by Least Squares Method. Index Numbers- Problems in the Construction of Index Numbers;	**8 Hours**
Block-5	Laspeyres', Pasche's andFischer'sIdealIndexNumbers.Problemsintheconstructionandlimitationsofindexnumbers, Tests for ideal index number.	**8 Hours**
Text Books:	ElhanceD.N.et.al(1996), *Fundamentals of Statistics*, Kitab Mahal,Allahabad	
Reference Books:	1. GoomA .M and GuptaM.K (1975), *Fundamentals of Statistics*,The world Press Ltd. Kolkata 2. Gupta,B.N. (1992),*Statistic sTheory and Practice*, Sahithya Bhavan ,Agra 3. Gupta,S.P.(1983),*Statistical Methods*,S. Chandand Company,New Delhi 4. Gupta.S.C.(1982),*FundamentalsofStatistics*,HimalayaPublishingHousePrivate *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP2 01	SPT –4 MA- Economics - Semester-II Economics of Insurance	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	Thispaperattemptstogiveafairlycomprehensiveandscientificviewofinsuranceinthetask of risk bearing and risk elimination in the economic affairs.	
Block-1:	Definition of Insurance, nature, function, importance, Role of Insurance; Risk Pooling and Risk Transfer; Economic and Legal Perspectives; Social v/s Private Insurance; Life v/s Non-Life Insurance; Classification of Insurance.	8 Hours
Block-2:	Wealth Accumulation Planning; Life Cycle Planning; Planning for Accumulation, Investment-Tax-Advantaged and Tax Non- Advantaged; Essentials of Individual Retirement Planning; Analysis of Retirement; Income Needs; Retirement Planning Strategies; Investing. Pension Plans; Basic Principles of Pension Plans; Pension Plans in India; Estate Planning; Process of Estate Planning; Estate Planning Tools.	8 Hours
Block-3:	Concept of General Insurance- Types; Health Insurance, Marines Insurance, Motors Insurance, Agricultural Insurance, Fire Insurance, Personal Accident Insurance; Importance of General Insurance in a Country's Economic Development; Concept of Short-Term Risk; Inspection or Risk; Rating and Calculation of Premiums; Marketing of General Insurance; General Insurance Corporation of India.	8 Hours
Block-4:	Insurance Regulation in India; Role and need of regulation-History of Insurance regulation inIndia- Insurance Regulation and Development Authority.	8 Hours
Block-5	Insurance reforms and birth of IRDA - Performance of IRDA - Indian insurance in the Global platform-Future potential in Indian insurance business.	8 Hours
Text Books:	B.S.Bodla, MC Gargand K.P.Singh(2006), *Insurance Fundamentals, Environment and Procedure*, Deep & Deep Publishing House, New Delhi	
Reference Books:	1. Black.K.J.Rand H.D.Skipper J.R(2000),*Life and Health Insurance,* Printice Hall, New Jersey 2. Finsinger,J and MV Pauly (Eds)(1986), The Economics of Insurance Regulation:A Cross National Study, Macmillan, London. 3. M.N. Mishra and S.B.Mishra(2004),*Insurance- Principles and Practice*, Sultan Chand and Sons, New Delhi * **Latest editions of all the suggested books are recommended**	

Course Code: MAES P202	SPT –5 MA- Economics - Semester-II **Regional and Urban Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	The study of Regional and urban economics is intended to make the students understand the economic factors and forces underlying the process of urbanization;	
Block-1:	Urbanization meaning–causes urbanization Factors influencing urbanization- Different stages of urbanization- Features of Urbanization in developing countries; Issues in Urbanization policies; Contribution to the theory of the development of Urban Spatial Structure- R.M.Haig, Burgess Theories of Urban Growth Analysis- Central Place Theory; Human Geological Approach, Economic BasicTheory.	**8 Hours**
Block-2:	Characterization of the Urban Labour Market-The Gravity Model of Labour Movements-Problems of Urban Unemployment in India; Migration-Urbanization Cause-Effect-Relationships-Pollution- Controlling measures with reference to India; Urban Transport, Urban Water supply and Public Health.	**8 Hours**
Block-3:	Problems of Urban Housing-Nature and Magnitude, Housing Finance Markets in India- Different Institutions in Housing Finances-Limitations- Economics of Urban Land Development and distribution- Role of Urban Development Organizations(UDO)-Their problems with reference to India-Urban Planning and Urban Land use Planning-Different Techniques-Control of Urban Land Use Pattern in India-Smart city.	**8 Hours**
Block-4:	Definition and scope of Regional Economics–Importance and Objectives-Causes for Regional Imbalances- Measures to Reduce Regional Imbalances- Regional Development and Regional Planning	**8 Hours**
Block-5	Regional Economic Problems- Perspectives on Economic Growth and Development. Regional planning in Rural India.	**8 Hours**
Text Books:	Button,K.J.(1981),Urban Economics-Theory and Policy of UP.	
Reference Books:	1. Dholakia,R.H(2001) Regional Disparity in Economic Growth in India, Himalaya Publishing House, Bombay. 2. Glasson,J(1987) An Introduction to Regional Planning, Concepts, Theory and Practice, Hutchiuson, London. 3. Hirsch,Werner (1973), Urban Economy Analysis, Tata McGraw Hill, NewDelhi. 4. Mills Edwin S.(1980),Urban Economics, Scot Foresman, Illinois. 5. Richardson Harry,W.(1979),The New urban Economics, Pitman publications, Ltd, London. *** Latest editions of all the suggested books are recommended**	

Course Code: MAES P203	SPT –6 **MA- Economics - Semester-II** **Environmental Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	This paper is meant to provide some insights in to the application of economic theory in the design and implementation of Environmental protection. The models of optimal use of natural resources, sustainable development, and environmental resource problems in India.	
Block-1:	Environmental economics- nature, scope and definition; Environment, ecology and economy; Pare to optimality and perfect competition; External effects in production and consumption; Market failure in case of environmental goods; depletion of natural resources and scarcity –pollution of environment-types.	**8 Hours**
Block-2:	Inter-linkages between economy and environment, Material balance model - law of thermo-dynamics and entropy; Welfare economics, efficiency and competitive markets - Common pool resources- Tragedy of commons; LDCs and sustainable development; Gender perspective in environmental management; controls and use of natural capital in India.	**8 Hours**
Block-3:	Pollution charges, ambient charges, product charges, subsidies; Liability rules-non-compliance fees, deposit refund system, performance bonds. Marketable pollution permits; Evaluative criteria of and practical conditions for use of the economic incentives. Contingent valuation method; Travel cost method; Hedonic market methods; Averting behavior approach-Environmental Kuznets curve hypothesis.	**8 Hours**
Block-4:	Problems of command and control regime; New Environment Policy; Natural resources: types, classification and scarcity;	**8 Hours**
Block-5	Elementary capital theory; Mechanism for environment regulation in India; air, water, land, environmental laws and their implementation;	**8 Hours**
Text Books:	Chary,S.N.and Vyasulu,Vinod(2000), Environmental Management- an Indian Perspective, Macmillan, New Delhi.	
Reference Books:	1. Goodstein,E.S.(2002) Economics and the Environment, John Wiley, New York. 2. Hanley,N.,J.F.Shogern and B.White(1997),Environmental Economics in Theory and Practice, Macmillan. 3. Hussen,A.M.(1999),Principles of Environmental Economics, Routledge, London. 4. Kadekodi,G.K. (2004)Environmental Economics in Practice, Oxford, New Delhi. 5. Kolstad,C.D.(1999) Environmental Economics, Oxford, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAE OE201	OE –1 MA- Economics - Semester-II **Indian Economy**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The objective of this paper is to sharpen the knowledge of the student about Indian Economy. To know about the Agricultural and Industrial development, poverty situation and various measures to eradicate it and also recent trends in the Indian Economy.	
Block-1:	The background: main features, geographic size; Endowment of natural resources: land, water, forest and energy with emphasis on recent policies in these areas; Population: size, composition, quality and growth trends; Population policy: need and present status; Occupational distribution and rural urban migration.	**8 Hours**
Block-2:	Mass poverty: extent and incidence; Unemployment: types, causes, consequences and Present status; Population pressure: economic effects; Inequality: extent, consequences and remedies; Regional imbalance: extent, consequences and remedies; Inflation in India (WPI,CPI);Trends in inflation; Parallel economy in India: causes and consequences.	**8 Hours**
Block-3:	Land Reforms in India- Technological Change in Agriculture- Agricultural Price Policy -Issues in Food Security – Policies for Sustainable Agriculture - Globalization and Indian Agricultural Sector. Agricultural Finance- Institutional and Non-Institutional sources, Industrial Policy - Privatization and Disinvestment Debate, Exit Policy- Issues in Labour Market Reforms.	**8 Hours**
Block-4:	Financial Sector Reforms- Interest Rate Policy – Review of Monetary Policy - Money and Capital Markets- Working of SEBI; Indian Fiscal Policy – Annual Budgets – Components of Budgets –Concept of Budgetary Deficits.	**8 Hours**
Block-5	Globalization of Indian Economy- W.T.O and its Impact on Different Sectors of the Economy, Need for and Issues in Good Governance.	**8 Hours**
Text Books :	AgarwalA.N.(2017),Indian Economy, Wiley Eastern Ltd., New Delhi	
Reference Books :	1. Dhingra, IC(2016),Indian Economy, Sultan Chand & Co, New Delhi 2. Kapila,Uma(2017)Indian Economy since Independence. Academic Foundation New 3. Misra S.K.and PuriV. K.(2017) Indian Economy. Himalayan Publishing House. 4. Reserve Bank of India, Report on Currency and Finance,(Annual) *** Latest editions of all the suggested books are recommended**	

Course Code: MAEVV251	Viva voice MA- Economics - Semester-II Comprehensive Viva Voce	L-0 T-0 P-0 C-4
Course Outcomes:	The objective of this course is to judge the understanding as well as application of the knowledge gained by the students by the end of the first year of the course.	
Course Guidelines:	The comprehensive viva voce is scheduled to be held at the end of II Semester in the first year.	
	This is also to measure the articulation of what is being learnt by them and see their relevance in the practical field.	
	The Total marks of viva are 100.	
	The internal marks (50 marks) will be awarded by conducting face to face interview / viva of the students in the class on any topic of first and second semester syllabus in the front of a panel of at least two faculty members to be appointed by the Director / Principal of the College	
	The external marks (50 marks) will also be awarded by conducting face to face interview / viva of the students in the class on any topic of first and second semester syllabus in the front of the external examiner to be appointed by the examination division of the University.	

Evaluation Scheme

Detail	Course/Domain Knowledge	Confidence	Communication Skills	Total
Internal	20	15	15	**50**
External	20	15	15	**50**

Course Code: MAECC 301	CC –10 MA- Economics - Semester-III Economics of Growth	L-4 T-0 P-0 C-4
Course Outcomes:	On completion of the course, the students will be :	
CO1.	This paper aims at making students to understand the theories of growth, social and institutional aspects of growth, importance of agriculture and the rationale and pattern of industrialization in developing countries.	
Block-1:	Factors affecting Economic Growth: capital, labour and technology; Historical Perspective of Economic Growth and its relevance; Chenerys structural characteristics of the development process. Measurement of development– Human Development Index-Developments Displacement.	8 Hours
Block-2:	Grand and Distribution justice – Kuznets Hypothesis - poverty and its measurement- poverty alleviation measures-Convergence and Divergence economic theories-Development gap.	8 Hours
Block-3:	Harrod and Domar: Instability of equilibrium; Neo Classical Growth Models: Solow and Meade;Growth Models of Joan Robinson,Kaldor and Pasinetti.	8 Hours
Block-4:	Theories of growth and development - Vicious circle of poverty, circular unlimited supply of labor; big push, balanced and unbalanced growth, critical minimum effort thesis, low income equilibrium trap; Ranis and Fei model-Dualism.	8 Hours
Block-5	Critical minimum effort thesis, low income equilibrium trap; Ranis and Fei model-Dualism.	8 Hours
Text Books:	Adelman.I(1961),*Theories of Economic Growth and Development*, Stanford Universities Press, Standford.	
Reference Books:	1. Gerald.M.Meier, JamesE.Rauch,(2005),*Leading Issues in Economic Development* ,(8th Edition) Oxford University Press, Oxford, 2. Ghatak S(1986)*An Introduction to Development Economics*-allen and Unwin. 3. Growth.S,(1986),*An Introduction to Development Economics,*Allen and Unwin 4. Higgins Benjamin (1963), *Economic Development, Principals,Problems and Policies,*Central Book Depot, Allahabad 5. Meier.G.M. (1995), *Leading Issues in Economic Development* (6th edition) Oxford University Press, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 302	CC –11 MA- Economics - Semester-III International Economics	L-4 T-0 P-0 C-4
Course Outcomes :	**On completion of the course, the students will be :**	
CO1.	Thepaperpresentsclearexpositionofthetheoryandprinciplesofinternationaleconomicsthatareessentialforunderstanding,evaluatingtotheimportantinternationaleconomicproblems.	
Block-1:	Importance of International Trade- International Trade and Nations Standard of Living – Current International Economic Problems- Analytical tools of International Economics-Production Possibility Curve, Marginal Rate of Transformation, CommBlocky In difference Curve, Marginal Rate of Technical Substitution and Offer Curves	8 Hours
Block-2:	International Trade Theories- Trade Based on Absolute Advantage and Comparative Advantage, Classical Theories -OpportBlocky Cost Theory–Factor Endowments–Heckscher– Ohlin Theory - Factor Price Equalization and Income Distribution – Leontief Paradox –Neo-Technological Trade Theory –Samuelson Theory- Stolper-Samuelson Theorem. Recent Developments in International Trade Theories-Product cycle theory.	8 Hours
Block-3:	Economic Growth and International Trade, Trade as an Engine of Growth; Intra Industry Trade and its Measurement, Immiserising Growth; the Rybczynski Theorem; Gains from Trade- Sources and Measurement, Terms of Trade, Types, Uses and Limitations; Tariffs-Types, Economic Effects of Tariffs and their Measurement, Rates of Tariffs, Optimum Tariff Formula. Secular Deterioration of Terms of Trade–Prebish-Singer Hypothesis.	8 Hours
Block-4:	Economic integration; types; Theory of Customs Union- Jacob Viner Theory, Other Static Welfare Effects of Customs Union – Dynamic Benefits from Customs Union, European Union, History,	8 Hours
Block-5	The European Economic commBlocky, Free Trade Association Trade Creation and Trade Diversion,, International Cartels, Dumping, Export Subsidies, Strategic Trade and Industrial Policies.	8 Hours
Text Books:	Kindleberger C.P.(1998),*International Economics,* R.D Irwin Homewood.	
Reference Books:	1. KingP.G(1995),*International Economics and International Economic Policy,*A Reader McGraw Hill, Singapore, 2. KrugmanP.R and M Obstifeld(2017), *International Economics-Theory and Policy,* Addison Wesley Longman Pvt .Ltd. ,Delhi 3. Mannur,H G,(2011), International Economics, Vikas Publishing House, New Delhi. 4. Salvatore D(2016),*International Economics,* Prentice Hall Upper Saddle River N.J. New York *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 303	CC –12 MA- Economics - Semester-III Research Methodology	L-3 T-2 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	This paper has an objective of exposing the students on various research concepts. The Paper will help to acquire research skills and capabilities to take up the project work.	
Block-1:	Research: Meaning, Characteristics; Types; Criteria of Good Research, Theoretical Foundation; Problems and Applicability in Social Research; Subjectivity v/s Objectivity in Social Research; Plagiarism and Ethical Issues in Research. Case Study; Field Study.	**8 Hours**
Block-2:	Research Process- Factors involved in the process. Research Problem: Identification of the Problem, Factors Involved. Review of Literature: Need for Reviewing Literature, Sources of Literature; Developing Objectives. Hypothesis: Meaning, Features and Importance. Research Design: Meaning and Types.	**8 Hours**
Block-3:	Data Collection: Sources- Primary and Secondary Data, Advantages/Disadvantages. Data Collection Techniques: Observation Method, Survey-Interview and QuestionnaireMethod, Merits and Demerits; Pilot Study. Sampling: Meaning, Principles, Sampling Process, Types of Sampling, Sample Size, Advantages and Disadvantages, and Errors in Sampling.	**8 Hours**
Block-4:	Economic integration; types; Theory of Customs Union- Jacob Viner Theory, Other Static Welfare Effects of Customs Union – Dynamic Benefits from Customs Union, European Union, History,	**8 Hours**
Block-5	Processing: Editing - Tabulation - Graphical Representation, Statistical Analysis and Testing of Hypothesis. Use of Computer in Data Analysis and Presentation. Report: Types of Reports Steps in Report Writing, Research Report Format, Writing theReport. Documentation: Appendices, Footnote, Endnotes, References and Bibliography.	**8 Hours**
Text Books:	C R Kothari(2008), *Research Methodology: Methods and Techniques*, New Age International, Ansari Road, Darya Ganj, New Delhi-110 002,INDIA	
Reference Books:	1. Ghosh,B.N.(1992),*Scientific Methods and Social Research*, Sterling Publishers Pvt.,Ltd. New Delhi. 2. Goode W.Jand Hatt P.K (2014), *Methods in Social Research,* McGraw Hill, New York 3. Krishnaswamy O.R.(1993), *Methodology of Research in Social Sciences*, Himalaya Publishing House, Mumbai 4. Sadhu A.N.and Amarjit Singh(2005), *Research Methodology and Social Sciences*, Himalaya Publishing, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 304	CC –13	L-3 T-2 P-0 C-4
	MA- Economics - Semester-III	
	Econometrics	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	Devoted to equip the students with basic theory of econometrics and relevant applications of the methods. Application of economic theory needs a reasonable understanding of economic relationships and relevant statistical methods.	
Block-1:	Definition and Scope of Econometrics, Methodology of Econometrics- Simple Linear Regression Model- Assumptions- Estimation (through OLS) -Properties of Estimates- Guass Markov Theorem- Normality Assumptions-Statistical Inference- Testing Hypothesis. General Linear Regression Model-Assumptions – Estimation and Testing- Fitness of the Model: R^2 and Adjusted R^2- Concept and Analysis of Variance and its Applications in Regression Analysis.	**8 Hours**
Block-2:	Issues of Regression through Origin-Scaling and Blocks of Measurement-Different Functional Forms of Regression Models and their Uses. Nature, Tests, Consequences and Remedial Steps for the Problems of Hetero-scedasticity, Auto-correlation and Multi-collinearity; Problems of Specification Error-Errors in Measurement.	**8 Hours**
Block-3:	Introduction to Simultaneous Equation Models – Problem of Identification and Consequences of Ignoring Simultaneity– Estimation Procedures: Indirect Least Squares, 2SLS, 3SLS.	**8 Hours**
Block-4:	Dummy Variable Regression–Techniques and Uses-Models with Qualitative Dependent	**8 Hours**
Block-5	Variables-LPM, Logit, Probit, and Tobit Models.	**8 Hours**
Text Books:	Gujarati D(2000),*Essentials of Econometrics*,McGrewHillPollutionCompany,NewYork	
Reference Books:	1. Intrilligator,M.D(1980) Econometric Methods, Techniques and Applications Prentice Hall, Englewood Cliffs, N. J. 2. Klein LR(1974) A Text Book of Econometrics 2ndEd., Prentice Hall, Englewood Cliffs, N. J. 3. Koutsoyiannics A (1977), Theory of Econometrics, Palgrave, New York. 4. Maddala G S (2002), Introduction to Econometrics, 3rd edition, John Wiley and Sons, New York. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 301	**SPT –7** **MA- Economics - Semester-III** **Agricultural Economics**	**L-4** **T-0** **P-0** **C-4**
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To provide a detailed issues in agricultural economics to those intending to specialize in this area. To familiarize students with policy issues that is relevant to agricultural economics and enables them to analyse these issues.	
Block-1:	Agricultural Economics-Meaning and Scope, Agriculture in Indian Economy- Farm Efficiency - Farm Records, Accounts and Farm Budgeting, Significant Issues in Indian Agriculture- Stagnation and Agrarian Crisis.	**8 Hours**
Block-2:	Agricultural production – Resource use and efficiency; Factor combination and resource substitution; Cost and supply curves; Farm Size and Productivity; Supply response of individual crops and aggregate supply; Labour absorption and gender issues in agriculture.	**8 Hours**
Block-3:	Market Structure and Marketing Efficiency; Marketed and Marketable Surplus, State Policy with Respect to Agricultural Marketing; Behaviour of Agricultural Prices – Cobweb Mode; Price and Income Stability, Objectives of Agricultural Price Policy– Instruments and Evaluation; Terms of Trade Between Agricultural and Non-Agricultural Prices; Need for State Intervention- Food security and public distribution system in India.	**8 Hours**
Block-4:	Indigenous Practices, Information and Communication Technologies and Agriculture-AgriculturalInformationSystems,RoleofRemoteSensing,GPSTechnology,Biotechnology, Nano Technology in Agriculture, Kisan Credit Cards, Kisan Call Centers, Bhoomi Project, Agricultural Technology Information Centers, Agricultural Knowledge System,	**8 Hours**
Block-5	Sustainable Agricultural Development- Meaning, Importance and Scope, Determinants, Agricultural Extension in India, FAO.	**8 Hours**
Text Books:	Bilgrami,S.A.R.(1996), Agricultural Economics, Himalaya Publishing House, Delhi.	
Reference Books:	1. CohenR.L.(1965),*Economics of Agriculture,* James Nisbet, London 2. Ghatak,S.and K.Ingersent(1984):Agriculture and Economic Development, Wheatsheaf, London. 3. Indian Journal of Agricultural Economics (1960-1964), Selected Readings 4. Sadhu and Singh(1985), *Fundamentals of Agricultural Economics*, Himalaya Publishing House, Mumbai *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 302	SPT –8 MA- Economics - Semester-III **Industrial Economics**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The objective is to provide a thorough knowledge about the economics of industry in a cogent and analytical manner, particularly in the Indian context. This course is also intends to provide knowledge to the students on the basic issues such as location, productivity, efficiency.	
Course Content		
Block-1:	Meaning, Nature, Scope, Significance and framework of Industrial Economics. Firm: Concept, Objectives, Ownership and control, Size of the Firm, optimum firm; Passive and active behaviour of a firm. Industrial Structure: Private and Public Sector, Large, MSME(Medium and Small Scale Industries), Village Industries. Industrial Combinations: Mergers and Amalgamations (M&A),Integration.	**8 Hours**
Block-2:	Theories of Industrial Location: Weber, Sargent Florence and August Losch, Centre Place Theory, factors affecting location, need for balanced regional development in India– Policies and Approaches. Industrial Productivity: concept and measurement, tools of industrial productivity.	**8 Hours**
Block-3:	Growth of the firm: size and growth; growth and profitability; constraints on growth. Sellers Concentration: product differentiation, entry conditions, economics of scale; Profitability and innovations, Industrial concentration: concepts and measurement; extent, causes and likely effects of concentration; analysis of diversification in industry.	**8 Hours**
Block-4:	Indian Industrial Structure: Patterns and phases; Industrial Development in India since 1991; Industrial Policy 1991, MRTP Act; Role of public sector. Privatization: nature and extent of disinvestments. Foreign capital in industrial sector: Role of MNCs and Foreign Collaborations	**8 Hours**
Block-5	Industrial sickness; Current Problems in Industrial Sector: Problems of small scale industries.	**8 Hours**
Text Books:	Barthwal R.R.(2006),*IndustrialEconomics*,WileyEasternLtd.,NewDelhi.	
Reference Books:	1. Cherunilam,F.(1994),*Industrial Economics: Indian Perspective,* Himalaya Publishing House, Mumbai. 2. Dasai,B.(1999), *Industrial Economy in India*, Himalaya Publishing House, Mumbai. 3. Hay,D.and D.J.Morris(1979), *Industrial Economics: Theory and Evidence*, Oxford University Press, New Delhi. 4. Kuchhal,S.C.(1980), *Industrial Economy of India*, Chaitanya Publishing House, Allahabad. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 303	SPT –9 **MA- Economics - Semester-III** **India and Global Economy**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The objective of this paper is to sharpen the knowledge of the student about India and Global Economy.	
Block-1:	Concept and definition - Evolution - objectives - why globalisation?- Process, dimensions and features - How to measure the extend of globalization? - Advantages and disadvantages –gainers and losers of globalization.	**8 Hours**
Block-2:	India's role in global economy - Share in global trade and capital flows – BoP position -dependence on capital inflows - FDI and FPI - Impact of global economic crisis - WTO and Indian economy - Regional and other trade blocks - SAARC, BRICS, RICS, IBSA and G20 -India as an emerging global Economic power.	**8 Hours**
Block-3:	Trade problems and policy changes in India-trade reforms since 1991-implications on BOP, exchange rate and factor movements-East Asian Crisis and India-International reserves and foreign debt problem in India-working of MNCs and their regulation-EXIM policy-WTO and competitiveness in Indian trade– agenda for future trade policy.	**8 Hours**
Block-4:	International capital and labour movements- Foreign Direct Investment(FDI), Its composition, direction and trends – Factor Determining FDI - MNCs and their operation-	**8 Hours**
Block-5	International trade in services and knowledge-based industries - GATS, TRIPs, TRIMs – trade problems of developing countries.	**8 Hours**
Text Books:	Backer, Epstein and Pollin(2009)-Globalization and Progressive Economic Policy,	
Reference Books:	1. Gold in Ian and Kenneth Reinert (2006), Globalisation for Development World Bank and Palgrave Macmillan, Washington DC. 2. Petras James and HenryVitmeyer(2001), Globalisation Unmasked, Madhyam Books, Delhi. 3. Razin and Sadka (2010)-The Economics of Globalization-Policy Perspective from Public Economics,. 4. Singh Karlijit (1998), Globalisation of Finance, Madhyam Books, New Delhi. 5. Stiglitz Joseph E.(2002), Globalisation and Its Discontents,W.W.Norton and Company, NewYork. *** Latest editions of all the suggested books are recommended**	

Course Code: MAEVV351	MA- Economics - Semester-III	L-0 T-0 P-0 C-4
	Summer Internship	

Objectives:	This course intends to familiarize and develop understanding of the students about the organizational set up, know about the functioning of various sections/departments of an organization/company in general and gain hand-on experience of a specific job function of the chosen organization. The main aim is to acquaint the student with the practical day-to-day functioning of an organization with a motive to facilitate training in a specific skill/area of that organization. Students will undergo summer internship at the end of II semester. The duration of internship will be 45 to 60 days.
Course Outcomes:	**On completion of the course, the students will be:** 1. Understanding the various departments and sections of an organization. 2. Understanding how staffing is done at different levels in an organization. 3. Demonstrating the specialization/ special skills required to work in a particular section/ department of an organization. 4. Working in tandem with the supervisor/mentor's goals of an organization. 5. Evaluating the general working environment, processes and systems of the organization where the student has work. 6. Explaining what he/she has observed and understood about a specific working/skill area of the particular section of the organization in which he/she worked. 7. Writing a detailed report on the summer internship.
Course Content:	1. A brief introduction is given by the host organization on its various departments and administrative functions. 2. Students will visit various departments and will observe the physical layout, working conditions and managerial practices under the supervisor of the Company. 3. Students will write notes on the salient features of activities of different departments. 4. Each student shall prepare a structured report after the successful completion internship. 5. Students with help of faculty guide will carry out analysis of the visit reports. 6. Students will give a formal presentation of the report before the jury comprising of minimum two internal faculty members to be appointed by the Director/ Principal of the college. 7. The assessment will be out of 100 marks (External Marks-50, Internal Marks-50). 8. The report (based on general training or the problem centric training) prepared by the student will be termed as Summer Training Report. The report should ordinarily be based on primary data. It should reflect in depth learning during summer training. The average size of Report ordinarily will be of approximately 25pages in Times New Roman font size (12) and double spacing. Three neatly typed and soft bound (paperback) copies of the report will be submitted to the College/Institute. The report will be typed in A-4 size paper

	Evaluation Scheme				
Detail	Report Quality (Structuring, Formatting, Clarity in presenting data & facts)	Presentation	Assessors Evaluation as per Summer Internship Record Book	Viva Voce	Total
Internal	30	20	NA	NA	50
External	15	NA	15	20	50

	Format for Summer Internship Report	
1.	Cover / Title Page	1 page

………..……(Topic/Department/Area)

At

(Name of the Organisation/Company)

In partial fulfillment for the award of the degree of MA (Economics)

Teerthanker Mahaveer Institute of Management and Technology (TMIMT)

Teerthanker Mahaveer University, Moradabad. Uttar Pradesh

Submitted by:	**Submitted to**
Student Name **Name**	**Internal Guide**
III Semester	**Designation**
Year	**TMIMT, TMU**

Under Supervision of

External Guide Name

Designation

2	Table of content (Index) –with page numbers clearly identified	1page
3	Declaration by the student.	1page
4	Certificate (from the Company / Organization)	1page
5	Acknowledgement	1page

6	Organization/Company Profile (Background, History, Founder, Vision, Mission, Competitors, Organization Structure, Products, Milestones, Achievements, Address)				5-8 pages
7	Objectives of training.				1page
8	**Student has to finalize topic from general training or problem centric training as per the consultation or guidance by the internal faculty and company supervisor. The details of both the trainings are given below:-**				

S.No.	General Training	Pages	S.No.	Problem Centered Training	Pages
8a	Introduction (department/s or the area assigned)	1-2	**8a**	Introduction to the topic	1-2
8b	Intern role during internship	1	**8b**	Research Objectives	1
8c	Role of (department/s or the area assigned) in the organization	2-3	**8c**	Research methodology	1-2
8d	Observations (including explanation of Processes)	6-8 (as per numbers of weeks training done)	**8d**	Data analysis & interpretation	5-8
8e	Key learning's	1-2	**8e**	Results & Findings	1-2
8f	Recommendations (if any)	1	**8f**	Recommendations& Suggestions	1
8g	Conclusion	1	**8g**	Limitations	1
			8h	Conclusion	1
			8i	References/ Bibliography	1
			8j	Appendices, viz., ➢ Questionnaire ➢ Checklist ➢ Tables etc.	1-3

Course Code: MAECC 401	CC –14 MA- Economics - Semester-IV Economics of Development	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To enable the students to study the various aspects of economic developments. To analyse the applications of macroeconomic policies for development and inclusive growth in the emerging economies.	
Block-1:	Sectoral Linkages- Agriculture and Industry –terms of Trade between Agriculture and Industry – Investment Criteria, Embodied and Disembodied; Neutral and Non-Neutral (Hicksand Harrod); Endogenous Growth Theory: Rationale Of Industrialization–Infrastructure –Information and Communication Technology.	**8 Hours**
Block-2:	Role of monetary and fiscal policies in developing countries- inflation and growth- Empirical evidence; External resources- FDI, MNC activity in developing countries; Borrowings - domestic and external; Burdenof borrowing- IMF, World Bank and policies in developing countries.	**8 Hours**
Block-3:	Human capital and development– Demographic transition, views of Stieglitz , Food security, Malnutrition, Gender linked issues and Participatory development: Tyranny/Transformation Post 2015 development agenda – Impasse in development studies.	**8 Hours**
Block-4:	Market efficiency and Market Failure; Role of State in Economic Development: State Capa city and State Failure.- Issues in Good Governance,	**8 Hours**
Block-5	policy initiative, Rent seeking, Parallel economy-Development Planning and goals in21stcentury.	**8 Hours**
Text Books:	Basu Kaushik(1998) *Analytical Development Economics* OUP New Delhi.	
Reference Books:	1. Growth.S, (1986),*An Introduction to Development Economics,* Allen and Unwin 2. Higgins Benjamin (1963), *Economic Development, Principals, Problems and Policies,* Central Book Depot, Allahabad 3. Higgins, Benjamin.(1995) *Economic Development*, W.W. Norton and Co, New York. 4. Kindleberger C.P.(1977), *Economic Development* (III edition) McGrawHill NewYork. 5. Meier .G.M.(1995),*Leading Issues in Economic Development* (6th edition) Oxford University Press, New Delhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAECC 402	CC –15 **MA- Economics - Semester-IV**	L-4 T-0 P-0 C-4
	Advanced International Economics	
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	The paper aims at preparing the students about the relevance and limitations of international Economics and lay stress on to examine the impact of the trade policies.	
Block-1:	Balance of Payments-Concepts and Accounting Principles -Disequilibrium in International Transactions- Causes - Measures for Correcting Disequilibrium, Foreign Trade Multiplier,AlternativeApproachestotheBalanceofPaymentsPolicy,Marshall-Lerner condition, Changing and Expenditure Switching Policies.	**8 Hours**
Block-2:	Role of Foreign Capital in Economic Development, Structure and Function of Foreign Exchange Market- Exchange Rates Determination – Arbitrage – Spot and ForwardRates-Foreign Exchange Risks–Hedging-Speculation,ForeignCurrencySwaps,Futures,DevaluationandDepreciationofCurrencies, Optimum Currency Areas, International Liquidity Crisis.	**8 Hours**
Block-3:	Mint parity theory, Purchasing Power Parity Theory, Exchange rate dynamics, Balance of payment adjustments with exchange rate changes, the J Curve Effect. Exchange control-objectives, procedure, methods and effects of exchange control.	**8 Hours**
Block-4:	Genesis of GATT- GATT Rounds, Emergence of the WTO, Ministerial Conferences andIssuesrelatedtoGATS,TRIPS,TRIMS;IMF,IBRD,IFC,EFTA,SAARC,GCCand NAFTA	**8 Hours**
Block-5	Role of G8, G20 and BRIC ,Policy implications with reference to India.	**8 Hours**
Text Books:	Francis Cherunilam (2008)- International Economics, McGraw-Hill Education.	
Reference Books:	1. Kindleberger C.P.(1998), *International Economics,* R.D Irwin Homewood. 2. King P.G (1995), *International Economics and International Economic Policy,* A Reader McGraw Hill, Singapore, 3. Krugman P.R and MObstifeld (2017),*International Economics- Theory and Policy*(LowPricedEdition,5thEdition),AddisonWesleyLongman(Singapore) Pte .Ltd. Indian Branch, 482FIE,Patparganj, Delhi-110092 4. Mannur,HG,(2011), International Economics, Vikas Publishing House, New Delhi. 5. SalvatoreD (2016),*International Economics,* Prentice Hall Upper Saddle RiverN.J. New York *** Latest editions of all the suggested books are recommended**	

Course Code: **MAECC 403**	**CC –16** **MA- Economics - Semester-IV** **Indian Economic Policy**
Course Outcome	**On completion of the course, the students will be :**
CO1.	To sharpen the analytical power of the student by highlighting an integrated approach to the functioning aspects of the Indian economy, To train students to think analytically about the various discourses on Indian economy.
Block-1:	Natural Resources - Human Resource Development - Trends in the Growth of National Income - Green Accounting - Structural Changes in the Economy - Poverty and Income Distribution - Trends: Savings, Investment and Capital Output Ratio and their Implications -India's Development Experience - Planning Commission to NITI Aayog - Parallel Economy and its Implications.	**8 Hours**
Block-2:	Broad demographic features of Indian population; Rural –urban migration; Poverty in India; Poverty line, Estimation and Incidence of poverty in India; Causes of Income Inequalities in India; Government policymeasures; Causes of Unemployment; Poverty Alleviation and Employment Generation Programms – An Evaluation.	**8 Hours**
Block-3:	Importance of Infrastructure- Development of transport and communications- Private Sector Participation – Pricing Methods – Issues in Governance and Regulation- Development of Irrigation- Irrigation Policy-Sources of energy– Energy Crisis in India–Social infrastructure– health and education– issues And trends.	**8 Hours**
Block-4:	Role of agriculture – productivity – cropping pattern – technical changes in agriculture – land reforms – pricing policy NAFTA	**8 Hours**
Block-5	role of industry – structure and pattern – public versus private sectors – performances –industrial policy India – role of service sector –emerging trends – growth pattern, Banking Sector in India, Financial sector Reforms.	**8 Hours**
Text Books:	Agrawal A.N.(Latestedition), Indian Economy, Chandand Co, New Delhi
Reference Books:	1. Dhingra, IC(2016),Indian Economy, Sultan Chand & Co, New Delhi 2. Ghosh Alak, (2015) Indian Economy, World Press, Calcutta. 3. Government of India, *Economic Survey(Annual),*Ministry of Finance, New Delhi 4. Kapila Uma(2017) Indian Economys in ce Independence, Academic Foundations, New Delhi. *** Latest editions of all the suggested books are recommended**

Course Code: MAECC 404	CC –17 MA- Economics - Semester-IV Computer Applications in Economics	L-4 T-0 P-0 C-4
Course Outcom:	**On completion of the course, the students will be :**	
CO1.	To acquaint the students with the basic concepts related to computers and to explain how computers can be used in day today life and especially in learning and practicing application in economics.	
Block-1:	Construction of Frequency, Generating Graphs–Histogram, Pie Charts, Bar-Graphs, Calculation of Probability, Calculation of Mean and Variance, Hypothesis Testing.	**8 Hours**
Block-2:	Estimation of Simple Regression Line, Estimation Correlation Coefficient, Zero Correlation Matrix, Estimation of Values through Multiple Regression and Analysis	**8 Hours**
Block-3:	Test of Statistical Significance – χ^2 Test, T Test, F Test, ANOVA Test, Construction of Price Indices ,Deflating a Series by Price Indexes.	**8 Hours**
Block-4:	Electronic Trading –B2B, B2C and C2C-Online Banking, Mobile Banking and ATMs and Security Issues in Electronic Transactions- ICT Sector in India,	**8 Hours**
Block-5	Electronic Stock Exchange, Data Sharing and Decimation.	**8 Hours**
Text Books:	Dass and Singh (2006), *Introduction to Computers*, Shree Publishers and Distributors, New Delhi.	
Reference Books:	1. Rajaraman, V. (1996),*Fundamentals of Computers*, Prentice Hall of India, New Delhi 2. Sanders D.H (1988), Computer Today, McGrawHill (3rd Edition), NewYork 3. Saxena, Sanjay (2012),A First Course in Computers, Prentice hall of India,NewDelhi. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 401	SPT –10 MA- Economics - Semester-IV **Rural Development**	L-4 T-0 P-0 C-4
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	To enable the students to understand the concepts, the theories and the problems of rural development and To analyse the pattern of economic diversification in rural areas and to examine the role of infrastructure in rural development.	
Block-1:	Rural Development; Objectives-characteristics-need for rural development -Rural Economic Rural Development Philosophy; Rural Problems. Rural Development Models; Contribution of Gandhi, VKRV Rao - Approaches of Rural Development IRDP, and PURA MGNREG rural Development.	**8 Hours**
Block-2:	Growth of Agriculture and rural development in India–Rural Development Programmes -Micro Level Planning-Design and Evaluation of Rural Development Projects-Block Plans, Rural Infrastructure and Services, Rural Transport, Education, and Sanitation Rural Energy.LocationtheoryofruralservicesLosch,Christaller,WeberandIsardModels,Rural Industrialization.	8 Hours
Block-3:	Population growth and migration, rural to rural migration rural-urban migration. To daro model implications Rural Urban Relations. Positive and Negative effects on rural social and economic life, Issues in Rural Health- IMR, Women Status- Gender Issues and Policies for Rural Women Empowerment.	8 Hours
Block-4:	Panchayat Raj Institutions, People's Participation. Role of NGOs and voluntary agencies in Rural Development.	8 Hours
Block-5	Rural development-self-help Groups (SHGs)Co-Operative Banks, Regional Rural Banks and NABARD.	8 Hours
Text Books:	Abdul Aziz (1984),Organizing Agricultural Laborers, Ashish, New Delhi.	
Reference Books:	1. Biradar, R.R (2008): Rural Non – agriculture employment in India: An Analysis of its determinants and impact on poverty and inequality, concept publishing company, New Delhi. 2. Dubashi,P.R. (1985),Rural Development in India,NewDelhi. 3. ISaty aSundaram (1996), Rural Development in India. *** Latest editions of all the suggested books are recommended**	

Course Code: MAESP 402	SPT –11 **MA- Economics - Semester-IV** **Labour Economics**	**L-4** **T-0** **P-0** **C-4**
Course Outcomes:	**On completion of the course, the students will be :**	
CO1.	TotheoreticalaswellasempiricalissuesofindustriallabourwithspecialreferencetoIndia . It covers issues pertaining the wage theories, employment policies, trade unions and collective bargaining to the globalized economy and social security measures.	
Block-1:	Meaning, Nature and Scope, Evolution of Labour Economics, Changing Dynamics of Labour Economics. Labour: Concept, Distinct Features of Labour as a Factor Input, Relationship between Labour Economics and Labour Problems.	**8 Hours**
Block-2:	Concept, Nature and Characteristics of Labour Market; Differences between Labour Market and Commodity Market. Labour Market Imperfections: Classical, Neo-Classical and Modern Approaches to Labour Market. Analysis of Demand and Supply Forces: Demand for Labour Relating to Choice of Technology, Supply of Labour in Relation to Growth of Labour Force .Labour Market Policies: Exit Policy, Globalization and Labour Market.	**8 Hours**
Block-3:	Employment: Modern Concept of Employment, Employment and Economic Development, New Dimensions of Employment. Employment Models: Classical, Neo Classical Keynesian and Modern. Wage: Concept, Theories of Wage: Classical, Neoclassical and Modern, WageDifferentials,WageDiscrimination.LabourProductivity:Concept,Measurement, Determinants and Measures to Increase Labour Productivity.	**8 Hours**
Block-4:	Theories of Labour Movement: The Marxian View and the Theory of Industrial Democracy by Sidney and Beatrice Webb. Trade Unions: Growth, Pattern, Structure and Achievements of Labour Unions in India,	**8 Hours**
Block-5	Causes of Industrial Disputes, Their Settlement and Prevention Mechanism. Labour Legislation in India: Indian Social Security Measures: Meaning and the Need, Present Status of Social Security in India, ILO.	**8 Hours**
Text Books:	Bellante,D.andM.Jackson,PT1983),*LabourEconomics*,McGraw-Hill,NewYork.	
Reference Books:	1. Borjas, G.J.(2009), *Labour Economics*, McGraw-Hill, NewYork. 2. Hunterand Mulvey,(1983),*Economics of Labour*, Macmillan. 3. Lester, R.A. (1975), *Economics of Labour*,McMillan,NewYork. 4. MittalA.C and Sanjay Prakash Sharma (2005), *Labour Economics*, RSBA Jaypur 5. ReynoldsL.G.(1998),*Labour Economics and Labour Relations*, PrenticeHall,USA. 6. SmithS.W.(1994), *Labour Economics*, Routledge,London. *** Latest editions of all the suggested books are recommended**	

Course Code: MAEVV451	MA- Economics - Semester-IV **Major Research Report** (Based on: On the Job Training (OJT)/ Start-Up Engagements/ Family Business Exposure)			L-0 T-0 P-0 C-4
Course Outcomes	**On completion of the course, the students will be :**			
CO1.	Understanding the working of various departments and associated problems.			
CO2.	Understanding the importance of process and methods of research, and their applicability.			
CO3.	Understanding the working on the designing tools to collect data for research and evaluation.			
CO4.	Applying statistical tools for data processing to get information.			
CO5.	Demonstrating the results to prove their findings.			
CO6.	Writing a report with effectiveness.			
CO7.	Assessing the probable solution to a given research problem.			

Format of Major Research Report
(Based on: On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure

	The students have to submit a detail report based on: **On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure** by the students during the fourth semester. At the ends of third semester students have to inform about the choice from the above options to the program coordinator. The student will submit a detail report at the end of fourth semester, which will form part of fourth semester examination. A performance appraisal by the organization authority will be attached along with the report in case of OJT only.			
	The dissertation report (based on: **On the Job Training (OJT)/ Start-Up Engagements / Family Business Exposure**) should ordinarily be based on the in-depth experience gained during any of the above engagements. The detail report of above should be prepared mentioning brief note on the business activity of the organization, its structure, details of products / services, detail report on experiential learning, status report on business/market environment in which the business activities performed, compliance report, market feasibility report and bank account details in case of Startup / Family Business, and limitation/challenges faced. Report should have Times New Roman font size (12) and double spacing. Three neatly typed and soft bound (paperback) copies of thereport are required to be submitted to the university. The report will be typed in A-4 size paper.			
	Students will give presentation of the report before the jury comprising of external andinternal faculty members to be appointed by the Director of the college.			

Evaluation Scheme

Details	Experiential Learning	Business Domain Knowledge	Viva Voce/Presentation	Total
Internal	20	10	20	50
External	20	10	20	50

S.No	Detail	Page No.
1	Title of the Report	**1**
	….............. **(Topic/Department/Area)** **At** **(Name of the Organization/Company/ Start-up / family Business)** **In partial fulfillment for the award of the degree of MA (Economics)** **Teerthanker Mahaveer Institute of Management and Technology (TMIMT)** **Teerthanker Mahaveer University, Moradabad. Uttar Pradesh** **Submitted by:** **Submitted to** **Student Name** **Internal Guide Name** **IV Semester** **Designation** **Year** **TMIMT, TMU** **Under Supervision of** **External Guide Name** **Designation**	
2	Acknowledgement	1
3	Certificate (from the Company / organization) in case of OJT/ Family Business& Registration Certificate in case of Start Up.	1
4	Table of content (Index) –with page numbers clearly identified	1

| 5 | Organization/Company Profile (Background, History, Founder, Vision, Mission, Competitors, Organization Structure, Services, Products, Milestones, Achievements, Address) in own language. | 3-4 |
| 6 | Objectives of OJT/ Start-Up/ Family Business | 1 |

| **Important Note** | | |
| Student has to finalize the topic of the dissertation in consultation with faculty guide (Internal) and industry supervisor (external guide) | | |

S.No	**Problem Centered Training**	**Required number of Pages.**
1	Introduction to the topic in case of OJT. Introduction of the Startup / Family Business	1-2
2	Objectives of Experiential Learning during OJT/ Startup/ Family Business	1-2
3	Market / Business Environment in which business activities performed.	4-6
4	Processes and Practices learnt during OJT/ Startup/ Family Business	3-4
5	Findings and Learning outcomes during OJT/ Startup/ Family Business	3-4
6	Challenges and Limitations faced by the student during OJT/ Startup/ Family Business	2-3
7	Future Scope of your learning	1
8	Conclusion/ Summary	1
9	References/ Bibliography (if any)	1-2

10	Appendices, viz., - Copy of Certificate - Detail of Bank Account - Rent Agreement Deed - Detail of Bank Loan - Any other approvals - Any other documents required	1-2
	Plagiarism check will be done as per norms provided by the Examination Division of the University	

Duration of the programme

Study Scheme	
SUMMARY	
Institute Name	Centre for Distance and Online Education, Delhi Road, Moradabad
Programme	**MA - Economics**
Duration	Two Years (Online Mode) (Four Semesters)
Medium	English
Credits	
Minimum Credits Required for Degree	128
Eligibility for the program	Graduation in any stream from UGC recognized University.

5.3. Faculty and support staff requirement

Academic Staff	Number available to meet the required delivery norms
Programme Coordinator	1 member
Course Coordinator	1 member
Course Mentor	1 member per batch of 250students

5.4. Instructional delivery mechanisms

The Centre for Distance and Online Education of TMU comprises of faculty members and staff who are well versed in online delivery.

An Academic calendar depicting dates for all major events during each semester will be prepared by faculty members and shared with students through LMS, at the beginning of each academic session.

Apart from providing content in the form of Self Learning Material, enough e-learning resources in the form of audio and video content will be provided to students. Regular engagement of students will be ensured through the following means:

- Conduct of Webinars/live lectures/online lectures/Virtual Class

- By encouraging them to participate in mandatory Discussion Forums to stimulate their thinking, and to be able to fearlessly express their views in forums. These discussion forums will be moderated by faculty to provide equal opportBlocky for everyone to participate, as well as to ensure maintenance of decorum of the forum.

- Through periodic formative assessments

Regular evaluation of content learnt will be provided for, through Self-Assessment Questions within the SLM, as well as quizzes on the LMS. The quizzes can be taken any number of times, so that they reach a stage of being able to answer questions without errors, which is a reflection of their understanding of the concept.

Effort will be made to provide case studies to enhance their analytical ability and make right decisions.

Link to National Portals (SWAYAM/NPTEL) will be provided, as also link to University's digital library portal.

All links to additional reading will be provided in the LMS. Interested students can study beyond the confines of the syllabus.

5.5. Identification of media–print, audio or video, online, computer aided

LMS provides for all audio video content (e-learning material, e-pubs, faculty-led video sessions, virtual classrooms and discussion boards), dashboard of their progress in learning, comparison with their peers in terms of learning, regular notifications regarding upcoming Webinars/virtual classes, Assignments, Discussion Forum participations and Examinations. It also provides an opportBlocky for raising queries if any, and seeks answers to the same, by chat bot or course mentors.

5.6. Student Support Services
The Student Support services will be facilitated by the Centre for Distance and Online Education, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh which includes the pre- admission

student support services like counseling about the programme including curriculum design, mode of delivery, fee structure and evaluation methods. Post-admission student support services include guiding students towards accessing e-identity card, LMS portal, Academic calendar and academic delivery. Examinations support staff shall answer queries pertaining to conduct of end-semester examinations, evaluation and issue of certificates.

6. Procedure for Admission, Curriculum Transaction and Evaluation

The purpose of Online Learning by Teerthanker Mahaveer University, Moradabad, Uttar Pradesh is to provide flexible learning opportBlockies to students to attain qualification, wherever learners are not able to attend the regular classroom teaching. Academic programmes offered for such candidates under Online Learning mode will be conducted by Centre for Distance and Online Education- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh with support of the various University schools. The programmes/courses may be termed online mode for award of Degree. Eligibility criteria, programme/course structure, curriculum, evaluation criteria and duration of programme shall be approved by Board of Studies and Academic Council which are based on UGC guidelines.

Candidates seeking admissions in any programme offered by Centre for Distance and Online Education- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh shall fill up online application form available on DOE- TMU website. Before applying, candidates must check eligibility criteria for programme that they are interested in. Details about Eligibility criteria, programme structure, curriculum, duration, and fee structure are available on the website.

6.1. Procedure for Admission:

Minimum Eligibility Criteria for admission: Graduation in any stream from UGC recognized University with minimum 50% aggregate marks.
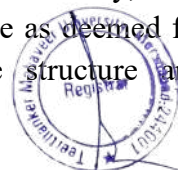
Important Instructions:

All admissions shall be provisional until and unless candidates meet the eligibility criteria.

Admission will stand cancelled if a candidate does not meet eligibility criteria, or there is failure to pay programme/course fees.

Admission will stand cancelled, if candidate does not submit proof of eligibility within stipulated time given by Centre for Distance and Online Education-Teerthanker Mahaveer University, Moradabad, Uttar Pradesh.

Centre for Distance and Online Education-Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has the right to make necessary changes from time to time as deemed fit in Eligibility criteria, programme/course structure, curriculum, duration, fee structure and programme announcement dates. All changes will be notified on website.

Candidates should carefully read all instructions given in Programme prospectus before start of application form.

Fee Structure and Financial assistance policy:

Suggested Fee for MA- Economics programme is INR 5400/- per annum.

A scholarship as per Teerthanker Mahaveer University norms on tuition fees will be provided to eligible students.

6.2. Curriculum Transactions:

Programme Delivery:

Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has state-of-the-art mechanism for online mode of academic delivery to ensure quality education. Faculty members at TMU offer expert guidance and support for holistic development of the students. Faculty members are not mere facilitators of knowledge but they also mentor students to make learning more engaging and maintain high retention level. The programme will be delivered with an aim to provide expertise and ensure that students excel in their domains. The features of programme delivery are:

- Online Mode of Academic Delivery
- Periodic review of Curriculum and Study material
- Live Interactive lectures from faculty / Course coordinators
- Continuous Academic and Technical support
- Guidance from Course Coordinators
- Learning and delivery support from Course Mentors

Norms for Delivery of Courses in Online Mode:

S. No.	Credit value of the course	No. of Weeks	No. of Interactive Sessions		Hours of Study Material		Self-Study hours including Assessment etc.	Total Hours of Study (based on 30 hours per credit)
			Synchronous Online Counseling /Webinars/ Interactive Live Lectures (1 hour per week)	Discussion Forum/ synchronous Mentoring (2 hours per week)	e-Tutorial in hours	e-Content hours		
1.	4 Credits	12 weeks	12 hours	24 hours	20	20	44	120

Learning Management System (LMS) to support Online mode of Course delivery:

LMS Platform has been built to help learners reach their potential in their chosen programme. It is a secure, reliable learning experience tool that works consistently on Web and Mobile devices. Its simple interface makes it easy for instructors to design courses, create content and grade assignments. It provides a great mobile experience due to the responsive design which is paired with purpose-built native apps. It provides seamless accessibility to ensure all tools are standards-compliant and easy for students to navigate using assistive technologies. It provides 24 X 7 learning experience to facilitate learning as per the pace chosen by learners. Digital portfolio functionality allows students to document and share their learning journey as it happens, on both web and mobile platforms.

Course Design:

The Course content is designed as per the SWAYAM guidelines using 4-quadrant approach as detailed below to facilitate seamless delivery and learning experience

- **Quadrant-I** i.e. e-Tutorial, that contains – Faculty led Video and Audio Contents, Simulations, video demonstrations, Virtual Labs, etc, along with the transcription of the video.
- **Quadrant-II** i.e. e-Content that contains – Self Instructional Materials (Digital self-Learning Material), Case Studies, Presentation etc. and also contains web resources such as further references, Related links, Open source content on internet, research papers and journals Portable Document Format or e-Books or Illustration, video demonstrations, Historical development of the subject, Article, etc.
- **Quadrant-III** i.e. Discussion forums to raise and clarify doubts on real time basis by the Course Coordinator and his team.
- **Quadrant-IV** i.e. Self-Assessment, that contains MCQs, Problems, Quizzes, Fill in the blanks, Assignments with solutions and Discussion forum topics.

6.3. Online Evaluation:

Online Evaluation:					
Assessment			**Internal**	**External**	**Total**
Theory			30	70	100
Practical/ Dissertations/ Project Reports			50	50	100
Class Test-1	**Class Test-2**	**Class Test-3**	**Assignment(s)**	**Attendance**	**Total**
Best two out of three					
10	10	10	05	05	30
Duration of Examination			**External**	**Internal**	
			3 Hours	1.5 Hours	

To qualify the course a student is required to secure a minimum of 50% marks in aggregate including the semester end examination and teachers continuous evaluation.(i.e. both internal and external).A candidate who secures less than 50% of marks in a course shall be deemed to have failed in that course. The student should have at least 50% marks in aggregate to qualify the program.

	Question Paper Structure
1	*The question paper shall have two section – **Section A and Section B**. The examiner shall set questions specific to respective sections. Section wise details are as under mentioned:*
2	***Section A:** It shall consist of short answer type questions (approx. 50 words). This section will essentially **assess CO's related to lower order thinking skills (Remembering & Understanding).** It will contain **five questions** with at least **one question from each Block with internal choice** having "or" option with optional question from the same Block. Each question shall have equal weightage of **two marks** and total weightage of this section shall be **ten marks**.*
3	***Section B** shall comprise of Long answer type questions (approx. 350 – 400 words). This section shall specify **the higher order thinking as well as lower order thinking skills (Analyzing, Applying, Evaluating & Creating or Remembering & Understanding)** to be assessed and **mapped with the course outcomes stated**. It shall contain **five questions with at least one question from each Block with an internal choice having "or" option** with optional question from the same Block. Each **question shall have equal weightage of twelve marks and total weightage of twelve marks** and total weightage of this section shall be **sixty marks**.*
4	***Note: In case where the course content does not have the scope of assessing higher order thinking skills, questions may be framed to assess the lower order thinking skills as per the course outcomes stated.***
	IMPORTANT NOTES:
1	*The purpose of examination will be to assess the Course Outcomes (CO) that will ultimately lead to assessment of attainment of Programme Specific Outcomes (PSO). A question paper must assess the following aspects of learning: Remembering, Understanding, Applying, Analyzing, and Evaluating & Creating (reference to Bloom's Taxonomy).*
2	*Case Study is essential in every question paper (wherever it is being taught as a part of pedagogy) for evaluating higher-order learning. Not all the courses might have case teaching method used as pedagogy.*
3	*There shall be continuous evaluation of the student and there will be a*

	provision of fortnight progress report.

7. Requirement of the Laboratory Support and Library Resources:
7.1. Laboratory Support

No lab based courses are offered in this program.

7.2. Library Resources

Centre for Distance and Online Education, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has excellent Library facility with adequate number of copies of books in relevant titles for MA Economics programme. The Central Library of University is also having good source of reference books. The books available at both the libraries are only for reference purpose and lending services. In addition, reference books as prescribed will be procured. The Digital library access will also be made available to students who are enrolled into online mode of education. In addition, the university membership on Swayam/ NPTEL/ edX will also be made available to students. Complete e-Learning resources to course would be made available on Learning Management System for learning along with e-tutorial lectures. Further, expert lectures/workshops/ webinars by industry experts would also be conducted for the students.

8. Cost Estimate of the Programme and the Provisions

Sl. No.	Expenditure Heads	Approx. Amount
1	Programme Development (Single Time Investment)	1,00,00,000 INR
2	Programme Delivery (Per Year)	12,00,000 INR
3	Programme Maintenance (Per Year)	50,00,000 INR

9. Quality assurance mechanism and expected programme outcomes

The quality of the programme depends on scientific construction of the curriculum, strong-enough syllabi, sincere efforts leading to skillful execution of the course of the study. The ultimate achievement of MA Economics programme of study may reflect the gaining of knowledge and skill in economics area. Gaining of knowledge and skills in economics may help the students to get new job, upgrading their position not only in employment, but also in the society.

The benchmark qualities of the programme may be reviewed based on the performance of students in their end semester examinations. Also, the feedback from the alumni, students,

parents and employers will be received and analyzed for further improvement of the quality of the programme.

Teerthanker Mahaveer University has constituted Centre for Internal Quality Assurance (CIQA) , which will assist Director, Centre for Distance and Online Education to conduct periodic review and assessments and assist the Directorate to implement necessary quality measures and effectiveness in programme delivery. CIQA is constantly involved in reviewing all materials prepared by CDOE, including syllabus, SLMs and e-learning content. CIQA will be involved in conducting studies to measure effectiveness of methods adopted for learning. As we proceed further, CIQA will involve in benchmarking quality of academic delivery, and perform various analyses, and guide all stakeholders towards upgrading quality constantly.

Centre for Internal Quality Assurance (CIQA) chaired by the Vice Chancellor consisting of internal and external experts oversees the functioning of Internal Quality Assurance Cell and approve the reports generated by Centre for Internal Quality Assurance on the effectiveness of quality assurance systems and processes.

The guidelines on quality monitoring mechanism prescribed by the UGC have been adopted by the Centre for Internal Quality Assurance for conducting institutional quality audits, to promote quality assurance and enhance as well as spread best-in-class practices of quality assurance. University has setup an effective system for collecting feedback from the stakeholders regularly to improve its programmes. The University will conduct self- assessments regularly and use the results to improve its systems, processes etc. and finally quality of programmes.