

**Program Project Report (PPR)**  
**of**  
**Bachelor of Arts (Economics)**



Accredited with NAAC **A** Grade

**12-B Status from UGC**

**Directorate of Distance and Online Learning**

**TEERTHANKER MAHAVEER UNIVERSITY**

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## **PROGRAMME PROJECT REPORT (PPR) - Distance and Online BA**

### **Introduction:**

The **Teerthanker Mahaveer University, Moradabad** aims to provide the students with a wide range of skills and competence in the area of Bachelor of Arts. The three-year BA degree is a mix of pure practical, analytical as well as theoretical Economics. The courses have been developed considering the fact that theoretical knowledge as well as practical skill is needed to enter the industry. The program provides a strong foundation in economic theories and principles but with a particular focus on examining their relevance to business and managerial situations. Students will be asked to analyze the international as well as national economic environment and to assess the impact of external factors on micro and macroeconomic performance and public policy.

Along with in depth knowledge in the subject the students are also made accustomed with practical knowledge of computer. Training in communication skills, Research and paper writing are also the part of course module.

BA Programme teaches one to work smartly, take the lead in critical situations, and influence business decisions more effectively. It teaches one to not only work efficiently, but also shape the business environment and create opportunities for further growth.

The curriculum is designed so as to give students an in-depth knowledge of the academic disciplines and applied functional areas necessary to meet the requirements of business enterprises and the industry.

The Distance and Online Bachelor of Arts (BA) Programme is a three-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 accountancy 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.

### **Programme Mission and Objective:**

The Department of Distance and Distance and Online Education, Teerthanker Mahaveer University, Moradabad is providing higher education to the targeted learners. The mission and objectives of the programme are:

- To impart and disseminate quality higher education through distance mode by providing instructional and study materials.
- To provide access to higher education to those people who are not able to pursue higher education through regular mode.
- To improve gross enrollment ratio in higher education.

- To promote research and innovative ideas among the students.

### **Relevance of Programme with Teerthanker Mahaveer University, Moradabad - Mission and Goals:**

The aims of Teerthanker Mahaveer University, Moradabad are to nurture the talent of learners by promoting intellectual growth to shape their personality and serve humanity as multi-skilled, socially responsible, creative, adaptable, contributing and morally sound global citizens. Also it has a mission to provide opportunities and support students from diverse background and assist them to become well-informed global citizens by developing their intellectual, moral, civic and creative capacities to the fullest through multi-faceted education and sustained engagement with local, national and global communities.

Alike, the mission and goals of the institution are to disseminate and advance quality education through instructions and research, to achieve excellence in higher education. The programme is aimed at providing quality higher education through distance education mode to those people who are interested to pursue higher education but do not get or are not able to take admission in regular mode of higher education by giving counseling, instruction and study materials. Hence, the programme is relevant to the HEI's mission and goal.

#### **Vision:**

To be recognized as a premier institution of excellence providing high quality of economics discipline related education, research and consultancy services to the society.

#### **Mission:**

Our endeavor is to impart knowledge and develop critical skills necessary to succeed both in professional and personal life by promoting learning supported by world-class faculty, infrastructure, technology, curricula and collaborative teaching and research in economics stream with premier institutions in India and abroad.

#### **Nature of Prospective Target Group of Learners:**

The target group of learners will be dropout students, who have completed class XII and are interested to pursue higher education but could not take admission in regular mode due to various social and economic problems. The targeted groups also include in-service, unemployed youth, defense and police personal, working in NGOs and the students who are preparing for competitive examination. The course also attracts the persons who are interest to know about the statistics as the subject become important tools be used in official works.

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**Appropriateness of programme to be conducted in Distance and Online mode to acquire specific skills and competence:**

These days the common problems being faced by the people are- how to use scarce resources, why the price of the basic commodities are increasing, how does one nation impact the economy of another nation, why the price of same product are varying in different places, why one person is poor and another is rich though they are living in same locality etc. The course would enlighten to the learners about these queries. To do so, the Distance and Online Learning mode would provide quality higher education to the interested learners who are left out by the regular mode. It helps them to acquire competencies and skills in the concerned discipline by providing instruction through counseling, study materials, advice and support. Hence, it is the appropriate mode for acquiring competencies and skills.

The courses in the programme are delivered through Self-Learning e-Module which is a modular unit 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 Online and other platforms without much loss of fidelity. Hence the BA programme is suited for Distance and Online mode of learning.

**5.1 Instructional Design:****Curriculum Design:**

Curriculum has been designed by experts in the area of accounting 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 and University Academic Council which consists of experts from Academia and Industry.

## 5.2 Programme structure and detailed syllabus:

### Programme Structure:

#### Study & Evaluation Scheme Programme: BA (Economics)

##### Semester I

S. No.	Course Code	Subject	Periods			Credit	Evaluation Scheme		
			L	T	P		Internal	External	Total
1	BAE101	Micro Economics I	5	0	0	5	30	70	100
2	BAE102	Money and Banking	5	0	0	5	30	70	100
3	BAE103	Environmental Studies	5	0	0	5	30	70	100
4	BAE104	English Communication-I	5	0	0	5	30	70	100
<b>Total</b>			<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>120</b>	<b>280</b>	<b>400</b>

##### Semester II

S. No.	Course Code	Subject	Periods			Credits	Evaluation Scheme		
			L	T	P		Internal	External	Total
1	BAE201	Macro Economics I	5	0	0	5	30	70	100
2	BAE202	Indian Economics	5	0	0	5	30	70	100
3	BAE203	Business Law	5	0	0	5	30	70	100
4	BAE204	English Communication-II	5	0	0	5	30	70	100
<b>Total</b>			<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>120</b>	<b>280</b>	<b>400</b>

##### Semester III

S. No.	Course Code	Subject	Periods			Credits	Evaluation Scheme		
			L	T	P		Internal	External	Total
1	BAE301	Micro Economics II	5	0	0	5	30	70	100
2	BAE302	Statistical Methods in Economics	5	0	0	5	30	70	100
3	BAE303	Macro Economics II	5	0	0	5	30	70	100
4	BAE304	Computer Fundamentals	5	0	0	5	30	70	100
5	BAE305	Financial Economics	5	0	0	5	30	70	100
<b>Total</b>			<b>25</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>150</b>	<b>350</b>	<b>500</b>

##### Semester IV

S. No.	Course Code	Subject	Periods			Credits	Evaluation Scheme		
			L	T	P		Internal	External	Total
1	BAE401	Mathematical Methods for Economics	5	0	0	5	30	70	100
2	BAE402	International Economics	5	0	0	5	30	70	100
3	BAE403	Economic Dev.& Policies in India	5	0	0	5	30	70	100
4	BAE404	Operation Research	5	0	0	5	30	70	100
5	BAE405	Data Analysis	5	0	0	5	30	70	100
<b>Total</b>			<b>25</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>150</b>	<b>350</b>	<b>500</b>

**Semester V**

<i>S. No</i>	<i>Course Code</i>	<i>Subject</i>	<i>Periods</i>			<i>Credits</i>	<i>Evaluation Scheme</i>		
			<i>L</i>	<i>T</i>	<i>P</i>		<i>Internal</i>	<i>External</i>	<i>Total</i>
1	BAE501	Growth and Development	5	0	0	5	30	70	100
2	BAE502	History of Economic Thought	5	0	0	5	30	70	100
3	BAE503	Quantitative Technique	5	0	0	5	30	70	100
4	DSE01	Mathematical Economics	5	0	0	5	30	70	100
5	DSE02	Econometrics	5	0	0	5	30	70	100
<b>Total</b>			<b>25</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>150</b>	<b>350</b>	<b>500</b>

**Semester VI**

<i>S. No</i>	<i>Course Code</i>	<i>Subject</i>	<i>Periods</i>			<i>Credits</i>	<i>Evaluation Scheme</i>		
			<i>L</i>	<i>T</i>	<i>P</i>		<i>Internal</i>	<i>External</i>	<i>Total</i>
1	BAE601	Public Finance	5	0	0	5	30	70	100
2	BAE602	Environmental Economics	5	0	0	5	30	70	100
3	DSE03	Agricultural Economics	5	0	0	5	30	70	100
4	DSE04	Industrial Economics	5	0	0	5	30	70	100
<b>Total</b>			<b>20</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>120</b>	<b>280</b>	<b>400</b>

**L – Lecture**

1L = 1Hr

**T- Tutorial**

1T= 1 Hr

**P- Practical**

1P= 1 Hr

**C-Credits**

1C = 1Hr of Theory Paper

2 Hrs of Practical/Tutorial

**B.A (Economics) Semester I****MICRO ECONOMICS-I****Course Code: BAE101****L-5, T-0, P-0, C-5**

## Unit I: Introduction

- 1.1 : Subject Matter of Economics
- 1.2 : Nature and Scope of Economics: Micro and macro Economics; Positive and Normative Economics; Dynamic and Comparative Static Economics.
- 1.3 : Methodology in Economics: Deductive and Inductive Methods.
- 1.4 : Central Economic Problems: Scarcity and Choice; Production Possibility Frontier [PPF].

## Unit 2: Consumer Behaviour and Demand

- 2.1 : Cardinal Utility Analysis: Total and marginal Utility; Law of Diminishing Marginal Utility; Law of Equi-Marginal Utility; Consumer's Equilibrium.
- 2.2 : Ordinal Utility Analysis: Indifference Curves; Budget Constraints; Consumer's Equilibrium.
- 2.3 : Price Effect: Substitution Effect [Hicks and Slutsky]; Income Effect.
- 2.4 : Income Consumption Curve [ICC] and Price Consumption Curve [PCC]; Normal, Inferior and Giffen Goods.
- 2.5 : Consumer's Surplus: Marshall and Hicks.
- 2.6 : Theory of Demand: Derivation of Demand Curve under Cardinal and Ordinal Theories; Law of Demand; Factors Influencing Demand; Changes in Demand and Engels' Curve; Elasticity of Demand; Price; Income and Cross Elasticities.

## Unit 3: Theory of Production

- 3.1: Production Function: Short Run and Long Run. 3.2: Law of Variable Proportions;
- 3.3 : Returns to Scale: Economies of Scale.
- 3.4 : Cobb-Douglas Production Function: It's Properties.
- 3.5 : Isoquant Analysis; Iso-Cost Line; Producer's Equilibrium; Production Decision and Expansion Path.

## Unit 4: Theory of Costs and Revenue

- 4.1: Concepts of Costs and their inter-relationship: Short Run and Long Run. 4.2: Concepts of Revenue and their inter-relationship; Break-Even Analysis.



**B.A (Economics) Semester I**

**MONEY AND BANKING**

**Course Code: BAE102**

**L-5, T-0, P-0, C-5**

Unit 1: Money

- 1.1 : Money: Meaning and Function: Role of Money in Capitalistic, Socialistic and Mixed Economies.
- 1.2 : Quantity Theory of Money: Cash Transactions Approach and Cash Balance Approach.
- 1.3 : Keynesian Theory of Money and Prices.

Unit 2: Central Banking

- 2.1 : Objectives, Functions and Limitations of Central Bank with reference of RBI.
- 2.2 : Supply of Money: Concept, Components and Aggregates; Money Multiplier. 2.3: Quantitative and Qualitative Methods of Credit Control.
- 2.4: Objectives, Functions and Limitations of Money Market: Developed and Developing with special reference to India.

Unit 3: Commercial Banking

- 3.1 : Meaning, Types, Functions and Principles of Commercial Banks.
- 3.2 : Structure and Balance Sheet of a Commercial Bank; Assets and Liabilities. 3.3: Process of Credit Creation.
- 3.4: Commercial Banking in India: Evaluation of Banking Sector since Independence; Critical Appraisal of Commercial Banking after Nationalization; Recent Banking Reforms.

Unit 4: Financial Markets

- 4.1 : Banking System; Bond Market; Foreign Exchange Market; Equity Market – Concepts.
- 4.2 : Introduction to the Concept of Derivatives.
- 4.3: Futures; Options; Call/Put.

**B.A (Economics) Semester I****ENVIRONMENTAL STUDIES****Course Code: BAE103****L-5, T-0, P-0, C-5**

Unit-1: Introduction and Evolution of Environmental Studies:

1.1: Definition and Scope of environmental studies, multidisciplinary nature of environmental studies, concept of sustainability & sustainable development.

1.2 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.

Unit-2: Natural Resources:

2.1 Renewable & Non-Renewable resources; Land resources and land use change; Land degradation, Soil erosion & desertification.

2.2 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.

2.3 Biodiversity: Hot Spots of Biodiversity in India and World, Conservation, Importance and Factors Responsible for Loss of Biodiversity, Bio-geographical Classification of India.

Unit-3: Environmental Pollutions:

3.1 Types, Causes, Effects & control

3.2 Air, Water, soil & noise pollution

3.3 Nuclear hazards & human health risks, Solid waste Management

3.4 Control measures of urban & industrial wastes, pollution case studies.

Unit-4: Environmental policies & practices:

4.1 Climate change & Global Warming (Greenhouse Effect), Ozone Layer - Its Depletion and Control Measures, Photochemical Smog, Acid Rain

4.2 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

4.3 Montreal & Kyoto Protocols & Convention on biological diversity, Nature reserves, tribal population & Rights & human wild life conflicts in Indian context.

Unit-5: Human Communities & Environment:

5.1 Human population growth; impacts on environment, human health & welfare, Resettlement & rehabilitation of projects affected person: A case study, Disaster Management

5.2 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

**B.A (Economics) Semester I**  
**ENGLISH COMMUNICATION-I**

**Course Code: BAE104**

**L-5, T-0, P-0, C-5**

**Unit-1: Introductory Session:**

- 1.1 Self-Introduction & Assessment
- 1.2 Basics of Communication Process
- 1.3 Everyday Expressions
- 1.4 Commonly used Verbs

**Unit-2: Functional Grammar:**

- 2.1 Parts of Speech
- 2.2 Verbs
- 2.3 Tense
- 2.4 Modals
- 2.5 Conjunctions
- 2.6 Subject Verb Agreement
- 2.7 Articles
- 2.8 Spotting Errors

**Unit-3: Writing Skills:**

- 3.1 Application & Formal Letter Writing
- 3.2 Email Writing
- 3.3 Note Taking & Note Making
- 3.4 Essay Writing

**Unit -4: Speaking Skills:**

- 4.1 Intonation & Voice Dynamics
- 4.2 Art of Public Speaking
- 4.3 Common Conversation
- 4.4 Extempore

**Unit-5: Reading Skills:**

- 5.1 Reading & Understanding
- 5.2 Reading Comprehensions
- 5.3 Solving Para Jumbles

**B.A (Economics) Semester II**  
**MACRO ECONOMICS-I**

**Course Code: BAE201**

**L-5, T-0, P-0, C-5**

**Unit-1: Introduction**

What is macroeconomics? Macroeconomic issues in an economy.

**Unit-2: National Income Accounting**

Concepts of GDP and National Income; measurement of national income and related aggregates; nominal and real income; limitations of the GDP concept.

**Unit-3: Determination of GDP**

Actual and potential GDP; aggregate expenditure; consumption function; investment function; equilibrium GDP; concepts of MPS, APS, MPC, APC; autonomous expenditure; Concept of multiplier.

**Unit-4: National Income Determination in an Open Economy with Government**

Fiscal Policy: impact of changes in government expenditure and taxes; net exports function; net exports and equilibrium national income.

**Unit-5: Money in a Modern Economy**

Concept of money in a modern economy; monetary aggregates; demand for money; quantity theory of money; liquidity preference and rate of interest; money supply and credit creation; monetary policy.

**B.A (Economics) Semester II****INDIAN ECONOMICS-I****Course Code: BAE202****L-5, T-0, P-0, C-5****Unit 1: Structure of Indian Economy**

## 1.1 Basic Features of Indian Economy

## 1.2 Natural Resources: Land, Water and Forest Resources.

## 1.3 Broad Demographic Features: Population Size, Structure [Sex and Age], Characteristics; Change in Population; Rural-Urban Migration; Occupational Distribution; Problem of Over-Population; Population Policy.

**Unit 2: Problems and Planning in India**

## 2.1 Poverty and Inequality

## 2.2 Problem of Unemployment

## 2.3 Problem of Rising Prices

## 2.4 Objectives, Strategy, Achievements and Failures of Planning in India; Analysis of Current Five Year plan.

## 2.5 New Economic Reforms: Liberalization, Privatization, Globalization and its progress.

**Unit 3: Agriculture and Industry**

## 3.1 Nature and Importance of Agriculture: Trends in Agricultural Production and Productivity; Factors Affecting Productivity.

## 3.2 Land Reforms.

## 3.3 New Agricultural Strategy, Green Revolution and Agricultural Reforms after 1991.

## 3.4 Rural Credit and Agricultural Marketing.

## 3.5 Industrial Policies of 1948, 1956 and 1991.

## 3.6 Large Scale Industries: Present Position and Problems of Sugar, Iron and Steel, Jute and Cotton Textile Industries.

## 3.7 Cottage and Small Scale Industries: Growth, Importance and Problems.

**Unit 4: External Sector and Economics of Uttar Pradesh**

## 4.1 Role of Foreign Trade.

## 4.2 Composition and Direction of India's Foreign trade and FDI.

## 4.3 Basic Features of Uttar Pradesh Economy.

## 4.4 Mineral and Forest Resources.

## 4.5 Agriculture in Uttar Pradesh.

**B.A (Economics) Semester II****BUSINESS LAW****Course Code: BAE203****L-5, T-0, P-0, C-5**

Unit 1: Evolution and Introduction of Business law in Indian Context:

Indian Contract Act 1872:

- 1.1 Contract – Meaning, Characteristics and Kinds; Essentials of valid contract.
- 1.2 Offer and acceptance: Valid offer, Acceptance, Communication of offer and acceptance, Revocation of offer and acceptance, Lapse of an offer.
- 1.3 Capacity of Parties: Who is Competent to contract, Position of Agreements with a Minor, Position of persons of Unsound Mind, Persons disqualified by Law;
- 1.4 Consideration: Meaning, Essential Elements of Valid Consideration, Stranger to Contract, Contract without Consideration
- 1.5 Free Consent- Meaning of Consent, Meaning of Free Consent, Meaning Coercion and its effect, Meaning of Undue influence and its effects, Meaning of Fraud and its effects, Meaning of Misrepresentation and its effects and Meaning of Mistake and its effects.

Unit 2:

- 2.1 Void Agreement: Meaning of Void Agreements, Agreements in restraint of marriage, trade & legal proceedings, Uncertain Agreements, Wagering Agreements, Distinction between contracts of insurance and wagering agreements, Agreements Contingent on Impossible Events, Agreements to do Impossible Acts, Restitution.
- 2.2 Contingents Contract: Meaning, Essential Features and Rules.
- 2.3 Performance of a Contracts- Meaning and Types.
- 2.4 Discharge of Contracts- Meaning and Modes.
- 2.5 Remedies for Breach of Contracts- Meaning, Anticipatory, Actual Breach of Contracts, and Remedies.
- 2.6 Quasi – contracts- Meaning and Features.

Unit 3: Special Contracts:

- 3.1 Contract of Indemnity and Guarantee: Introduction, Contract of Indemnity, Contracts of Guarantee, Extent of Surety's Liability, Kinds of Guarantee, Rights of Surety, Discharge of Surety.
- 3.2 Contract of Bailment and Pledge: Meaning, Kinds, Duties & Rights of Bailer, Duties & Rights of Bailee; Lien- Meaning & Types; Finder of Goods- Meaning and Rights; Termination of Bailment: Pledge- Meaning of pledge, pledger & pledgee, Rights & duties of pledge, pledger &pledgee.

Unit 4: Contract of Agency:

- 4.1 Meaning, Creation of Agency, Termination of Agency, Irrevocable Agency; Agent- Meaning, Who may be Agent, Agent vs. Servant, Agent vs. Independent Contractor, classification of Agents, Extent of Agent Authority, Delegation of Authority of Agent, Meaning & Appointment of Sub- Agent, Meaning of Substituted Agent, Rights and Duties of Agent, Principal- Meaning and Position of Principal.

Unit 5: The Negotiable Instruments Act, 1881:

5.1 Negotiable Instruments- Meaning, Characteristics, Presumptions, Types, Promissory Note- Meaning and Characteristics, Bills of Exchange- Meaning and Essential Characteristics, acceptance- Meaning and Characteristics, Cheque- Meaning and Characteristics, , Crossing of Cheque, Holder and Holder in due course, Endorsement, Dishonor of Bill, Noting, Protesting and Hundies.

**B.A (Economics) Semester II**  
**ENGLISH COMMUNICATION-II**

**Course Code: BAE204**

**L-5, T-0, P-0, C-5**

Unit 1: Listening Skills:

- 1.1 Active Listening
- 1.2 Talk Shows
- 1.3 Commentaries
- 1.4 Listening Comprehensions

Unit-2: Functional Grammar & Vocabulary:

- 2.1 Root Words
- 2.2 Idioms & Phrases
- 2.3 Technical Jargons
- 2.4 Direct & Indirect Speech
- 2.5 Active & Passive Voice
- 2.6 Sentence Re-arrangement
- 2.7 Closet Test

Unit-3: Writing Skills:

- 3.1 Proposal & Report Writing
- 3.2 Preparing Notice, Agenda & MOM
- 3.3 Verbal Analogies

Unit-4: Communication Skills:

- 4.1 Power Point Presentations
- 4.2 Know Your Body Language
- 4.3 Role Plays
- 4.4 Picture Perception
- 4.5 Public Speaking ‘Debate, Stage Handling, Oral Presentation’

Unit-5: Verbal Ability:

- 5.1 One Word Substitutions
- 5.2 Jumbled Words
- 5.3 Sentence Improvement

**B.A (Economics) Semester III****MICRO ECONOMICS-II****Course Code: BAE301****L-5, T-0, P-0, C-5**

## Unit 1: Market Structure

- 1.1 : Forms of Market: perfect and Imperfect Markets: Salient Features.
- 1.2 : Equilibrium of the Firm and Industry [Short Run and Long Run] under Perfect Competition; Derivation of Supply Curve.
- 1.3 : Monopoly: Price and Output Determination [Short Run and Long Run]; Price Discrimination;
- 1.4 : Monopolistic Competition: Price and Output Determination (Individual and Group Equilibrium); Importance of Selling Costs.
- 1.5 : Oligopoly: Kinked Demand Curve Theory.

## Unit 2: Factor Pricing

- 2.1: Marginal Productivity Theory of Distribution; Adding-Up Problem [Euler's Theorem].
- 2.1: Theories of Wage determination: Demand and Supply Theory; Collective Bargaining.
- 2.3 : Rent: Ricardian and Modern Theory.
- 2.4: Interest: Classical and Keynesian Theories.
- 2.5 : Profit: Innovation, Risk and Uncertainty Theories.

## Unit 3: Welfare Economics

- 3.1: Concept of Welfare: Value Judgement; Problems in Measuring Welfare. 3.2: Classical Welfare Economics: Pigou.
- 3.3: Pareto's Criterion of Measuring Welfare;



**B.A (Economics) Semester III**  
**STATISTICAL METHODS IN ECONOMICS**

**Course Code: BAE302**

**L-5, T-0, P-0, C-5**

Unit 1: Introduction to Statistics

- 1.1 : Basic Concepts: Population and Sample, Parameter, Statistic, Primary and Secondary Data.
- 1.2 : Classification and Tabulation.
- 1.3 : Diagrammatic and Graphical Representation of Data.

Unit 2: Central Tendency and Dispersion

- 2.1 : Measures of Central Tendency: Arithmetic Mean, Median, Mode, Geometric Mean and Harmonic Mean.
- 2.2 : Measures of Dispersion: Mean Deviation, Quartile Deviation, Standard Deviation, Coefficient of Variation.
- 2.3 : Measures of Skewness.

Unit 3: Correlation and Regression

- 3.1 : Correlation; Coefficient of Correlation – Karl Pearson and Rank Correlations.
- 3.2 : Regression Analysis: Linear Regression; Interpretation of Regression Coefficients.

Unit 4: Time Series and Index Numbers

- 4.1 : Time Series Analysis: Concept; Components; Least Square Method of Determination of Trend.
- 4.2 : Index Numbers: Concept; price relative; quantity relative; weighted index number.
- 4.3 : Methods of Construction of Index Numbers: Laspeyre, Paasche and Fisher.
- 4.4 : Tests for Adequacy of Index Number.

Unit 5: Probability

- 5.1 : Probability: Concept.
- 5.2 : Rules of Probability: Addition and Multiplication Theorems.

**B.A (Economics) Semester III**  
**MACRO ECONOMICS-II**

**Course Code: BAE303**

**L-5, T-0, P-0, C-5**

Unit 1: National Income and Social Accounting

1.1 : Concept of Circular Flow

1.2 : Concept and Measurement of National Income 1.3: Concept of Social Accounting

1.4: Environmental Concerns in National Income; Green Accounting.

Unit 2: Theory of Output and Employment

2.1 : Say's Law of Market and Classical Theory of Employment: Critical Analysis and Keynes' Objections.

2.2 : Consumption Function and Savings Function: APC; MPC; APS and MPS; Factors Affecting Consumption Function; Psychological Law of Consumption.

2.3 : Investment Function: Autonomous and Induced Investment; MEC and Rate of Interest.

2.4 : Principle of Effective Demand: Equality and Equilibrium of AD/AS and S/I; Paradox of Thrift.

2.5 : Investment Multiplier and its Effectiveness in Less Developed Countries. 2.6: Theory of Acceleration.

Unit 3: Trade Cycles

3.1: Nature and Characteristics of Trade Cycle. 3.2: Hawtrey's Monetary Theory of Trade Cycle.

3.3: Hayek's Over-Investment Theory of Trade Cycle. 3.4: Keynesian Views on Trade Cycle.

Unit 4: Inflation

4.1: Definition, Types, Causes and Effects of Inflation. 4.2: Measures to Control Inflation.

4.3: Concept of Inflationary Gap.

**B.A (Economics) Semester III**  
**COMPUTER FUNDAMENTALS**

**Course Code: BAE304**

**L-5, T-0, P-0, C-5**

Unit-1: Computer Hardware and Number System:

1.1 Computer Fundamentals, Computer History and evaluations, Computer Classifications, Anatomy of Computer System, Input and Output technologies, Memory and Storage Devices, Applications of information technology in Business.

Unit-2: MS-Word:

2.1 Uses and Components of MS-Word, working with Tables, Preparations of Documents, Editing and Formatting in MS-Word, Short Cut keys, Mail Merge, Alignments, Types of Charts, Hyperlinks, Print layout, Page Orientations, Preparations of CV. in MS-Word.

Unit-3: MS-Excel:

3.1 Uses and Components of MS-Excel, working with Workbook and Worksheet, working with Rows and Columns, Editing and Formatting in MS-Excel, Different Formulas in Excel, Uses of different tools, Types of charts, Sorting of Data in MS-Excel

Unit-4: MS-PowerPoint:

4.1 Uses and Components of MS-PowerPoint, Inserting Pictures and Objects in PowerPoint, Working with Slides, Prepare Slides using Animations in PowerPoint, Editing and Formatting in PowerPoint, Header and Footer, Inserting Sounds, Custom Animation, Slide show and Transitions

Unit-5: Internet and Social Media:

5.1 Internet, Search Engine, E-Mail, Uploading and Downloading of files, saving and making new folders. Creating page on face book, creating profile on LinkedIn, Creating profile on twitter and handling twitter.

**B.A (Economics) Semester III****FINANCIAL ECONOMICS****Course Code: BAE305****L-5, T-0, P-0, C-5**

Unit-1: Deterministic cash-flow streams

1.1 Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunization; the term structure of interest rates; yield curves; spot rates and forward rates.

Unit-2: Single-period random cash flows

2.1 Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: The Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem.

Unit-3: Capital Asset Pricing Model (CAPM)

3.1 The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula

**B.A (Economics) Semester IV****MATHEMATICAL METHODS FOR ECONOMICS****Course Code: BAE401****L-5, T-0, P-0, C-5**

Unit 1: Basic Concepts

1.1 : Set Theory: Concepts and set operations.

1.2 : Variables and Functions; Equations and Systems of Equations; 1.3: Elements of Coordinate Geometry: Straight Line.

1.4: Homogeneous Functions.

Unit 2: Calculus

2.1: Concept of Limit and Differentiation [Simple and Partial] of a Function. 2.2: Maxima and Minima; Its applications in Economics.

2.3 : Pricing under Monopoly and Perfect Competition.

2.4 : Inter-Relationships among Total, Marginal and Average Cost and Revenues.

2.5 : Integration of a Function: Definite and Indefinite.

2.6 : Economic Applications of Integrals: Obtaining Total Function from Marginal Function: Revenue, Cost and Product; Consumer's Surplus.

Unit 3: Matrix and Determinants

3.1: Various Types of Matrices. 3.2:

Matrix Operations.

3.3 : Determinants.

3.4 : Inverse of a Matrix.

3.5: Cramer's Rule.

**B.A (Economics) Semester IV**  
**INTERNATIONAL ECONOMICS**

**Course Code: BAE402**

**L-5, T-0, P-0, C-5**

Unit 1: Scope of International Economics

- 1.1: International Economics: Definition, Nature and Importance. 1.2: Gains from Trade: Their Measurement and Distribution.
- 1.3: Comparative Cost Advantage [Ricardian] and Heckcher-Ohlin Theory of International Trade.

Unit 2: International Trade Policy

- 2.1 : Free Trade vs. Protection.
- 2.2 : Methods of Trade Restriction: Tariff and Quotas - Their Impact.

Unit 3: Foreign Exchange

- 3.1 : Exchange Rate Determination: Gold Standard [Mint Parity]; Purchasing Power Parity Theory.
- 3.2 : Devaluation and Appreciation of currency.

Unit 4: Balance of Trade and Balance of Payment

- 4.1: Concepts and Components of Balance of Trade and Balance of Payment. 4.2: Equilibrium and Disequilibrium in Balance of Payment; Consequences of  
Disequilibrium in Balance of Payment; Measures to Correct Deficit in Balance of Payment.

Unit 5: International Financial Institutions and India

- 5.1 : Functions of IMF; World Bank; WTO with reference to India.
- 5.2 : Balance of Payment Crisis; Need and Importance of Foreign Capital.

**B.A (Economics) Semester IV**  
**ECONOMIC DEVELOPMENT AND POLICIES IN INDIA**

**Course Code: BAE403**

**L-5, T-0, P-0, C-5**

Unit-1: Issues in Growth, Development and Sustainability

Unit-2: Factors in Development

2.1 Capital formation (Physical and Human); technology; institutions.

Unit-3: Population and Economic Development

3.1 Demographic trends; urbanization.

Unit-4: Employment

4.1 Occupational structure in the organized and the unorganized sectors; open- under and disguised unemployment (rural and urban); employment schemes and their impact.

Unit-5: Indian Development Experience

5.1 Critical evaluation of growth, inequality, poverty and competitiveness, pre and post reforms era; savings and investment; mobilization of internal and external finance; monetary and fiscal policies; center-state financial relations.

**B.A (Economics) Semester IV**  
**OPERATIONS RESEARCH**

**Course Code: BAE404**

**L-5, T-0, P-0, C-5**

Unit-1: Introduction and Evolution of Operation Research in Indian Context:

1.1 Linear Programming Problem: Nature and scope of Operation Research, Formulation and testing OR models. Mathematical formulations of LP Models for product- mix problems, graphical and simplex method.

Unit-2: Transportation Problems:

2.1 Initial basic feasible solution of transportation problem using North- West Corner Rule, Least Cost Method, Column Minima Method, Row Minima Method and Vogel's Approximation Method, testing optimality using MODI Method, Unbalanced problems and degeneracy, Solution of problems with the 'maximization' objective.

Unit-3: Assignment Problems:

3.1 Assignment Problem using Hungarian Method, Solution of unbalanced Assignment Problem, Problems of Assignment with maximization objective.

Unit-4: Theory of Games:

4.1 Two person zero - sum games, Games of pure strategies and of mixed strategies, Rule of dominance, Graphical solution to games.

Unit-5: Job Sequence:

5.1 Johnsons Algorithm for n Jobs and Two machines, n-Jobs and three machines, Two Jobs and m-Machines, n-Job and m-Machines.

**B.A (Economics) Semester IV**

**DATA ANALYSIS**

**Course Code: BAE405**

**L-5, T-0, P-0, C-5**

Unit-1: Sources of data. Population census versus sample surveys. Random sampling.

Unit-2: Univariate frequency distributions. Measures of central tendency: mean, median and mode; arithmetic, geometric and harmonic mean. Measures of dispersion, skewness and kurtosis.

Unit-3: Bivariate frequency distribution. Correlation and regression. Rank correlation.

Unit-4: Introduction to probability theory. Notions of random experiment, sample space, event, probability of an event. Conditional probability. Independence of events. Random variables and probability distributions. Binomial and normal distributions.

Unit-5: Estimation of population parameters from sample data. Unbiased estimators for population mean and variance.

Unit-6: Basics of index numbers: price and quantity index numbers.

**B.A (Economics) Semester V**

**GROWTH AND DEVELOPMENT**

**Course Code: BAE501**

**L-5, T-0, P-0, C-5**

Unit 1: Introduction to Economic Growth and Development

1.1 Economic Growth and Development: Concepts and Contrasts.

1.2 Factors Affecting Economic Growth.

1.3 Development and Under-Development; Obstacles to Under-Development.

1.4 Concept of Poverty Line.

1.5 Theory of Demographic Transition.

1.6 Capital Formation.

Unit 2: Theories of Growth and Development

2.1 Classical Theories of Development: Adam Smith and David Ricardo.

2.2 Harrod-Domar Growth Model.

2.3 Schumpeter and Capitalistic Development.

2.4 Lewis Model.

2.5 Rostow's Model of Growth.

Unit 3: Macro Economic Policy and Economic Development

3.1 Role of Monetary and Fiscal Policies in Developing Countries, including India.

3.2 External Resources: FDI, AID vs. Trade; Technology Inflow, MNC activity in India.



**B.A (Economics) Semester V**  
**HISTORY OF ECONOMIC THOUGHT**

**Course Code: BAE502**

**L-5, T-0, P-0, C-5**

Unit 1: Early Period

1.1 Mercantalism.

1.2 Physiocracy.

Unit 2: Development of Classical Economics

2.1 Adam Smith: Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, Economic Progress.

2.2 David Ricardo: Value, Theory of Rent, Distribution, Ideas on Economic Development and International Trade.

2.3 T.R.Malthus: Theory of Population, Theory of Gluts.

2.4 Karl Marx: Dynamics of Social Change, Theory of Value, Surplus Value, Profit and Crisis of Capitalism.

2.5 J.B.Say: Economic Ideas.

Unit 3: The Marginalist Revolution

3.1 Jevons and Walrus.

3.2 Neo-Classical Thought: Alfred Marshall.

Unit 4: The Keynesian Revolution

4.1 Economic Ideas of J. M. Keynes.

Unit 5: Indian Economic Thought

5.1: Economic Ideas of Mahatma Gandhi.

5.2: Economic Ideas of Amartya Sen.

**B.A (Economics) Semester V**  
**QUANTITATIVE TECHNIQUE**

**Course Code: BAE503**

**L-5, T-0, P-0, C-5**

Unit 1: Introduction and Evolution of Business Mathematics in Indian Context:

1.1 Matrix: Introduction: Square Matrix, Row Matrix, Column Matrix, Diagonal Matrix, Identity Matrix, Addition, Subtractions & Multiplication of Matrix.

Unit-2: Minors, Co-factor and Determinant of matrix, Inverse of Matrix: Rank of Matrix, Use of Matrix in Business.

Unit-3: Solution to a system of equation by the Adjoint Matrix method & Guassian Elimination Method.

Unit-4: Percentage, Ratio and Proportion: Mathematical Series- Arithmetic, Geometric & Harmonic, Simple Interest & Compound Interest.

Unit-5: Set-Theory: Notation of Sets, Singleton Set, finite Set, Infinite Set, Equal Set, Null Set, Subset, Universal Set, Union of Sets, Inter- section of Sets, Use of set theory in business.

**B.A (Economics) Semester V**  
**MATHEMATICAL ECONOMICS**

**Course Code: DSE01**

**L-5, T-0, P-0, C-5**

Unit 1: Elementary Mathematics in Economics

1.1: Role of Mathematics in Economics. 1.2: Functions and its Graphs.

1.3: Set Theory: Kinds of Sets; Operation of Sets; Venn Diagrams; Cartesian Products.

Unit 2: Limits and Differentiation

2.1 : Limits and Continuity.

2.2 : Differentiation: Rules of Differentiation; Higher Order Derivatives.

2.3 : Application of Derivatives: Differentiation of a Function; Concavity and Convexity; Maxima and Minima; Inflection Points; Perfect Competition; Monopoly; Elasticity.

Unit 3: Calculus and Multi-Variable Functions

3.1 : Functions of Several Variables and Partial Derivatives.

3.2 : Rules of Partial Differentiation; Second Order Partial Derivatives. 3.3: Application of Partial Derivatives in Economics.

Unit 4: Integration and Its Applications

4.1: Concept; Rules of Integration; Integration by Substitution.

4.2: Definite and Indefinite Integrals.

4.3: Economic Applications of Integration.

4.4 Consumer's Surplus.

**B.A (Economics) Semester V**  
**ECONOMETRICS**

**L-5, T-0, P-0, C-5**

**Course Code: DSE02**

Unit 1: Introduction

- 1.1: Definition and Scope of Econometrics.
- 1.2: Importance of Error Term.
- 1.3: Desirable Properties of Estimators: Unbiasedness; Efficiency; Consistency and Sufficiency; properties of Ordinary Least Squares.

Unit 2: Probability and Mathematical Expectation

- 2.1 : Probability: Concepts.
- 2.2 : Additional and Multiplication Theorems of Probability; Baye's Theorem.
- 2.3 : Mathematical Expectation: Meaning and Properties.

Unit 3: Simple Regression Analysis and Theoretical Distribution

- 3.1 : Correlation and Regression; Coefficient of Determination.
- 3.2 : Theoretical Frequency Distribution: Binomial and Normal Distributions; Their uses and Properties.

**B.A (Economics) Semester VI**

**PUBLIC FINANCE**

**Course Code: BEA601**

**L-5, T-0, P-0, C-5**

Unit 1: Nature and Scope of Public Finance

- 1.1 : Meaning and Scope of Public Finance.
- 1.2 : Distinction between Private and Public Finance, Public goods and Private goods.
- 1.3 : Principle of Maximum Social Advantage.

Unit 2: Public Expenditure

- 2.1 : Meaning, Classification and Principle of Public Expenditure. 2.2: Effects of Public Expenditure on production and distribution.
- 2.2 : Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.

Unit 3: Taxation

- 3.1 : Sources of Public Revenue.
- 3.2 : Taxation: Meaning and Classification of Taxes.
- 3.3 : Principles of Taxation: Benefit and Ability to Pay Approaches. 3.4: Impact and Incidence of Taxes.
- 3.5 : Taxable Capacity.
- 3.6 : Characteristics of a good Tax System.
- 3.7 : Effects of Taxation on production and distribution.

Unit 4: Public Debt and Financial Administration

- 4.1: Public Debt: Meaning, Types, Sources and Need. 4.2: Effects and Burden of Public Debt.
- 4.3 : Methods of Debt Redemption.
- 4.4 : Public Budget: Economic and Functional Classification of Budget. 4.6: Preparation of Budget in India.
- 4.7: Centre-State Financial Relations in India.

**B.A (Economics) Semester VI**  
**ENVIRONMENTAL ECONOMICS**

**Course Code: BEA602**

**L-5, T-0, P-0, C-5**

Unit 1: Environmental Issues

- 1.1 : Elementary Ecology, Entropy Law.
- 1.2 : Two-Way Environment-Economy Linkage.

Unit 2: Basic Concepts

- 2.1 : Basic Concepts: Elements of Capital Theory; Externality; Public Goods; Renewable and Non-renewable resources; Common Property Resources.
- 2.2 : Social Cost-Benefit Analysis.

Unit 3: Environmental Degradation

- 3.1 : Causes and Effects of Environmental Degradation; Degradation of Land, Forest and Natural Resources.
- 3.2 : Pollution from Energy Use: Effects on Health, Land, Water and Air. 3.3: Pollution prevention, control and Abatement.

Unit 4: Environmental Policies

- 4.1 : Pollution Control System and Policy in India.
- 4.2 : Concepts and Indicators of Sustainable Development. 4.3: Environmental Accounting.

**B.A (Economics) Semester VI**  
**AGRICULTURAL ECONOMICS**

**Course Code: DSE03**

**L-5, T-0, P-0, C-5**

Unit 1: Rural Economy of India

1.1: Composition of Indian Rural Economy: Farm and Non-Farm Sector. 1.2: Place of Agriculture in Rural Economy.

1.3 : Diversification of Agriculture: Agriculture and Allied Activities [Fisheries, Horticulture, Floriculture].

1.4 : Forestry in India: Growth, Problems and State Policies.

1.5 : Rural Industrialization: Food Processing and Agro-Based Industries. 1.6: Development of Rural Infrastructure.

Unit 2: Development of Agriculture

2.1 : Role and Importance in Economic Development: Linkages between Agricultural Sector and Non-Agricultural Sector; Changing Nature of Linkages.

2.2 : Irrigation in India.

2.3 : Trends in Agricultural Growth and Agricultural Productivity.

Unit 3: Agrarian Relations and Land Reforms in India

3.1: Agrarian Relations: Land Reforms Programme during 1950s and 1960s. 3.2: Land Reforms Programme and Performance during 1970s and after.

**B.A (Economics) Semester VI**  
**INDUSTRIAL ECONOMICS**

**Course Code: DSE04**

**L-5, T-0, P-0, C-5**

Unit 1: Introduction

1.1: Industry and Economic Development. 1.2: Industry and Sectoral Linkages.

1.3: Industrial Classification and Information.

Unit 2: Industrial Organization and Ownership Structure

2.1: Public; Private; Joint and Cooperative Sectors. 2.2: Private Corporate Sector.

2.3: Industrial Competition and Monopoly.

Unit 3: Location and Dispersion

3.1: Location of Industries. 3.2: Theories of Location.

3.3: Diversification, Integration and Merger of Industrial Units. 3.4: Dispersion and Problems of Regional Imbalance.

Unit 4: Composition of Industrial Sector

4.1 : Significance of Size.

4.2 : Major Large Scale Industries: Sugar; Cement; Cotton; Iron and Steel; Jute Industries.

4.3 : Agro-processing Industries

### 5.3 Duration of the programme

<b>Study Scheme</b>	
<b>SUMMARY</b>	
<b>Institute Name</b>	Teerthanker Mahaveer Institute of Management & Technology (TMIMT), Delhi Road, Moradabad
<b>Programme</b>	<b>BA (ECONOMICS)</b>
<b>Duration</b>	Three Years full time (Distance and Online Mode) (Six Semesters)
<b>Medium</b>	English
<b>Minimum Required Attendance</b>	75%
<b>Credits</b>	
<b>Minimum Credits Required for Degree</b>	132
<b>Eligibility for the program</b>	10+2 system of education in any stream from UGC recognized University with minimum 50% aggregate marks.

### 5.4 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 250 students

### 5.5 Instructional delivery mechanisms

The Directorate of Distance and Online Learning of TMU comprises of faculty members and staff who are well versed in Distance Education and Distance and 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 opportunity 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.

### **5.6 Identification of media–print, audio or video, 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 opportunity for raising queries if any, and seek answers to the same, by chat bot or course mentors.

### **5.7 Student Support Services**

The Student Support services will be facilitated by the Directorate of Distance and Online Learning, 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 and Online education by Teerthanker Mahaveer University, Moradabad, Uttar Pradesh is to provide flexible learning opportunities to students to attain qualification, wherever learners are not able to attend the regular classroom teaching. Academic programmes offered for such candidates under Distance and Online Learning mode will be conducted by Directorate of Distance and Online Learning- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh with support of the various University schools. The programmes/courses may be termed Distance and 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 Directorate of Distance and Online Learning- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh shall fill up Distance and 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: 10+2 system of education in any stream from recognized board 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 Directorate of Distance and Online Learning- Teerthanker Mahaveer University, Moradabad, Uttar Pradesh.

Directorate of Distance and Online Learning- 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 BA (ECONOMICS) programme is INR 15300 per annum (Fifteen Thousand Three Hundred only), overseas learners need to remit equivalent of INR 20700 per annum in USD to University

A scholarship as per Teerthanker Mahaveer University norm 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 and 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:

- Distance and 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 Distance and 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/ a synchronous Mentoring (2 hours per week)	e-Tutorial in hours	e-Content hours		
1.	5 Credits	15weeks	15 hours	30 hours	25	25	55	150

**Learning Management System (LMS) to support Distance and 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 X7 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 and Online Evaluation**

Distance and 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	10	10	40
Duration of Examination			External	Internal	
			3 Hours	1.5 Hours	
<p>To qualify the course a student is required to secure a minimum of 45% marks in aggregate including the semester end examination and teachers continuous evaluation.(i.e. both internal and external).A candidate who secures less than 45% of marks in a course shall be deemed to have failed in that course. The student should have at least 45% marks in aggregate to qualify the program.</p>					

<b>Question Paper Structure</b>	
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 unit with internal choice having “or” option with optional question from the same unit. 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 unit with an internal choice having “or” option with optional question from the same unit. Each question shall have equal weightage of ten marks and total weightage of ten marks and total weightage of this section shall be fifty 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.
<b>IMPORTANT NOTES:</b>	
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: Laboratory Support**

No lab based courses are offered in this program.

### **Library Resources**

Directorate of Distance and Online Learning, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh has excellent Library facility with adequate number of copies of books in relevant titles for BA 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 and 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 skilful execution of the course of the study. The ultimate achievement of BA (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 opportunities, 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 Internal Quality Assurance Cell (IQAC) which will assist Director, Directorate of Distance and Online Learning to conduct periodic review and assessment and assist the Directorate to implement necessary quality measures and effectiveness in programme delivery. IQAC is constantly involved in reviewing all materials prepared by DOE, including syllabus, SLMs and e-learning content. IQAC will be involved in conducting studies to measure effectiveness of methods adopted for learning. As we proceed further, IQAC will involve in benchmarking quality of academic delivery, and perform various analyses, and guide all stakeholders towards upgrading quality constantly.

Internal Quality Assurance Cell (IQAC) 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 Internal Quality Assurance Cell on the effectiveness of quality assurance systems and processes.

The guidelines on quality monitoring mechanism prescribed by the UGC have been adopted by the Internal Quality Assurance Cell 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.