GOKHALE MEMORIAL GIRLS' COLLEGE

ECONOMICS

(4 YEAR UG COURSE)

Course Outcome (CO), Programme Outcome (PO), Programme Specific Outcome (PSO) (up to 6th semester)

(as per NEP curriculum)

PROGRAMME SPECIFIC OUTCOMES

PSO Code	Programme Specific Outcome
PSO1	**Mastering Micro & Macro: From Concepts to Applications** Develop a strong foundational understanding of microeconomic and macroeconomic theories and their applications in real-world policy and market situations.
PSO2	**Building Analytical Skills for Empirical Economic Exploration** Acquire quantitative and statistical skills necessary for data analysis – interpretation for solution of economic problems, economic modelling, and empirical research through tools like mathematics, statistics and econometrics and statistical software.
PSO3	**Development, Policy & Welfare in Global and Indian Contexts** Understand and critically assess the structure and functioning of the Indian economy and global economic systems with a focus on development, policy, and welfare economics.
PSO4	**From Inquiry to Insight: Building Research Aptitude** Cultivate research aptitude by engaging with research methodology, report writing, and data interpretation, preparing students for higher studies and academic research.
PSO5	**Professional Development through Economic Studies** Enhance employability skills through courses in entrepreneurship, policy-making, banking, finance, and development economics.
PSO6	**Economics with Integrity: Social, Political, and Environmental Perspectives** Foster critical thinking and ethical responsibility while analysing economic and developmental issues in a social, political, and environmental context.
PSO7	**Clarity in Complexity: Communicating Economic Insight** Develop the ability to communicate complex economic ideas clearly and effectively to both economists and non-economists.

SEMESTER WISE COURSE DISTRIBUTION (1st to 6th SEMESTER)

SEM	COURSE CODE	COURSE NAME	COURSE DESCRIPTION
I	DSCC-1	Microeconomics (I)	Subject matter of Economics, Utility Theory, Demand and Supply: How Markets Work, Market and Adjustments, Market Sensitivity and Elasticity
	SEC-1	Introductory Statistics and Application (I)	Basic Steps in Statistical Methods -Collection, Presentation and Analysis of Data, Descriptive Statistics, Dispersion, Skewness and Kurtosis, Bivariate Analysis- Correlation and Regression
II	DSCC-2	Macroeconomics (I)	National Income Accounting, Income Determination in the Short Run- SKM, Basic theory of Investment, The Classical system, Inflation
	SEC-2	Introductory Statistics and Application (II)	Basic ideas of economic data, Computer Laboratory based Worksheet Program-Concept on Data Frame, Frequency Analysis and Data Visualization, Descriptive Statistics
III	DSCC-3	Microeconomics (II)	Theories of Consumer Behaviour and Applications, Production and Costs, The Firm and Perfect Market Structure, Input Market in Perfect Competition
	DSCC-4	Development Economics (I)	Introduction to Development Economics, Poverty, Inequality, And Development, Dual Economy and Development Strategies, Financial Inclusion and Development
	SEC-3	Data Analysis and Research Methodology	Methodologies of collection of data, Recording & Validating of data, Elements of Report writing, Basics of Power Query in MS Excel, Power BI
IV	DSCC-5	Mathematical Economics (I)	Sets and their operations, Functions of One Real Variable and several variables, Single Variable Optimization, Optimisation of Several Variable Functions, Linear Programming Problem
	DSCC-6	Macroeconomics (II)	Income Determination in the Short-run (Part-II): The IS-LM Model, Aggregate Demand and Aggregate Supply- the Complete Keynesian Model, Keynes vs. Classics, Money Supply, Monetary Policy and Government Budgetary

			Operations, Inflation-Unemployment Trade-o¤ and Expectations
	DSCC-7	Statistics for Economics	Elementary Probability Theory, Probability Distributions, Sampling Theory and Distribution, Statistical inference
	DSCC-8	Indian Economics (I)	Economic Development since Independence, Population and Human Development, Growth and Distribution: Policy perspectives, Economic Reforms in India
V	DSCC-9	Microeconomics (III)	Imperfect Market Structure, Input market under Imperfect Competition, General Equilibrium, Efficiency and Welfare
	DSCC-10	Macroeconomics (II)	Basic Tenets of New Classical and New Keynesian Theories, Macroeconomic Foundations, Economic Growth
	DSCC-11	Mathematical Economics (II)	Game Theory, Integration of Functions, Difference Equations, Differential Equations
	DSCC-12	Econometrics (I)	Nature and Scope of Econometrics, Classical Linear Regression Model, Qualitative (Dummy) Independent Variables, Violations of Classical Assumptions
VI	DSCC-13	International Economics (I)	Absolute and Comparative Advantages of Trade, The Building Blocks of Trade Theory, Factor Endowment and Trade (Heckscher-Ohlin-Samuelson Model), Trade Policy, Balance of Payments
	DSCC-14	Environmental and Resource Economics (I)	Environment, Ecology, and Economy, Efficiency and Market Failure, Environmental Regulations and the Economics of Environmental Policies, Measuring the values of Environmental Costs and Benefits
	DSCC-15	Public Economics (I)	Government in a Market Economy, Choice and Public Economics, The Revenue and Expenditure of the Government, Public Finance

COURSE OUTCOMES (CO) OF DIFFERENT COURSES

SEM	COURSE	COURSE OUTCOME
I	DSCC1-Microeconomics I	1. Understanding the Scope and Method of Economics 2. Application of Microeconomic Principles 3. Critical Thinking and Problem-Solving 4. Graphical and Analytical Skills 5. Communication of Economic Ideas
I	SEC1- Introductory Statistics and Application – I	1. Understanding the Subject Matter of Statistics 2. Application of Statistical Tools 3. Communication of Statistical Analysis
II	DSCC2-Macroeconomics I	1. Application of Macroeconomic Concepts 2. Critical Thinking and Problem-Solving 3. Communication of Macroeconomic Ideas
II	SEC II-Introductory Statistics and Applications (II)	1. Understanding Economic Data Types and Field Surveys 2. Proficiency in Microsoft Excel for Data Management 3. Calculation of Descriptive Statistics 4. Communication of Statistical Analysis
III	DSCC3-Microeconomics II	1. Application of Microeconomic Concepts 2. Critical Thinking and Problem-Solving 3. Communication of Microeconomic Ideas
III	DSCC4-Development Economics I	1.Development Economics: Meaning, Scope, and Key Indicators 2.Poverty and Inequality: Drivers and Impact 3.Development Theories and Strategies: A Critical Evaluation 4.Population, Employment, and Development Linkages 5.Institutions and Policy for Inclusive Rural Growth 6.Ethical Data for Sustainable Development
III	SEC III-Data Analysis and Research Methodology	1. Understanding Data Collection Methodologies 2. Writing Research Reports 3. Using Power Query in MS Excel and Power BI 4. Communication of Research Findings
IV	DSCC5-Mathematical Economics-I	1. Understanding Mathematical Preliminaries 2. Application of Mathematical Tools in Economics 3. Critical Thinking and Problem-Solving 4. Communication of Mathematical Economics Ideas
IV	DSCC6-Macroeconomics (II)	1. Application of Macroeconomic Concepts 2. Critical Thinking and Problem-Solving 3. Communication of Macroeconomic Ideas

IV	DSCC7-Statistics for Economics	1. Application of Statistical Concepts 2. Critical Thinking and Problem-Solving 3. Communication of Statistical Analysis
IV	DSCC8-Indian Economics(I)	1. Understanding Economic Development since Independence 2. Application of Economic Concepts 3. Critical Thinking and Problem-Solving 4. Communication of Economic Ideas
V	DSCC9-Microeconomics III	1. Application of Microeconomic Concepts 2. Critical Thinking and Problem-Solving 3. Communication of Microeconomic Ideas
V	DSCC10-Macroeconomics III	1. Theoretical Foundations of Modern Macroeconomic Thought 2. Consumption and Money Demand in Macroeconomic Theory 3. Theories and Models of Long-Run Economic Growth 4. Macroeconomic Decision-Making and Growth Evaluation 5. Communicating Macroeconomics Effectively and Professionally
V	DSCC11- Mathematical Economics (II)	1. Strategic Decision-Making and Mathematical Applications in Economics 2. Mathematical Tools for Dynamic Economic Modelling 3. Mathematical Modelling in Economic Analysis
V	DSCC12-Econometrics (I)	1. Exploring Econometric Concepts and Their Applications 2. Core Skills in Regression Analysis and Addressing Common Issues in Regression Diagnostics 3. Applying Econometrics to Real-World Challenges with Critical Insight
VI	DSCC13- International Economics (I)	1. Theoretical Foundations and Empirical Insights in International Trade 2. Trade Policies and International Financial Frameworks 3. Strategic Analysis in International Trade and Finance 4. Critical Thinking and Communication in International Trade
VI	DSCC14-Environmental & Resource Economics (I)	1. Economy, Environment, and Efficiency 2. Environmental Policy and Regulation 3. Economic Valuation of Environmental Resources 4. Critical Thinking in Environmental Economics Analysis and Application
VI	DSCC-15Public Finance (I)	1. Government Intervention and Public Goods 2. Principles and Analysis of Taxation 3. Public Finance: Expenditure, Debt, and Fiscal Frameworks 4. Critical Analysis and Policy Application

COURSE OUTCOME, PROGRAMME SPECIFIC OUTCOME AND PROGRAMME OUTCOME MAPPING MATRIX

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
Course Code:	Complex problem-solving	Critical thinking	Creativity	Communication Skills	Analytical reasoning thinking	Digital and technological skills	Value inculcation (Ethical values)	Environmental awareness and action							
DSCC1	H	H	H	H	H	L	H	M	H	H	L	-	-	M	H
SEC 1	H	H	H	H	H	H	L	-	-	H	-	M	L	-	H
DSCC2	H	H	L	M	H	-	H	-	H	H	H	L	-	M	H
SEC 2	H	H	H	H	H	H	-	-	-	H	-	H	H	-	H
DSCC3	H	H	L	H	H	-	H	H	H	H	L	M	-	M	H
DSCC4	H	H	M	M	M	M	M	M	M	L	M	L	M	M	L
SEC 3	H	H	H	H	H	H	-	-	-	H	-	H	H	-	H
DSCC5	H	H	L	M	H	L	-	-	H	H	M	M	M	-	H
DSCC6	H	H	L	H	H	-	M	-	H	H	H	M	M	-	H
DSCC7	H	H	H	H	H	H	H	-	L	H	-	H	H	H	H
DSCC8	M	H	M	H	H	L	-	M	-	H	H	H	M	H	H
DSCC9	H	H	H	H	H	L	H	H	H	H	H	H	M	H	H
DSCC10	H	H	L	H	H	-	M	-	H	H	H	H	-	H	H
DSCC11	H	H	M	H	H	-	-	-	H	H	H	H	H	M	H
DSCC12	H	H	M	H	H	H	H	-	M	H	M	H	H	M	H
DSCC13	H	H	M	H	H	-	L	-	H	H	H	H	M	H	H
DSCC14	H	H	M	H	H	-	H	H	H	H	H	H	M	H	H
DSCC15	H	H	M	H	H	-	H	M	H	H	H	H	H	H	H

High	Medium	Low	No correlation
H	M	L	-

CO	PSO	PO
Course Outcome	Programme Specific Outcome	Programme Outcome

COURSE OUTCOME (CO) IN DETAIL Of DIFFERENT COURSES

COURSE CODE: DSCC-1

COURSE NAME: **Microeconomics I**

CO1: Understanding the Scope and Method of Economics

Students will define economics and distinguish between Microeconomics and Macroeconomics. They will understand the basic economic questions, such as what to produce, how to produce, and for whom to produce. Students will explain the concepts of scarcity, choice, opportunity cost, and efficiency. They will differentiate between normative and positive economics.

CO2: Application of Microeconomic Principles

Students will explain the principles of individual decision-making, such as trade-offs, marginal analysis, and cost-benefit analysis. They will understand the principles of economic interactions, including trade, market economies, and property rights. Students will analyze market failures, externalities, and market power. Students will differentiate between cardinal and ordinal utility approaches, identify the factors influencing demand and supply and will be able to calculate and interpret different types of elasticity and their applications.

CO3: Critical Thinking and Problem-Solving

Students will analyse real-world economic problems using microeconomic theories and tools. They will evaluate the impact of economic policies and market changes on consumer and producer behaviour. Students will propose solutions to economic problems based on theoretical and empirical analysis.

CO4: Graphical and Analytical Skills

Students will draw and interpret graphs for demand and supply, indifference curves, budget constraints, and market equilibrium. They will use diagrams to explain concepts such as utility maximization, consumer equilibrium, and elasticity. Students will analyse economic scenarios using graphical representations.

CO5: Communication of Economic Ideas

Students will write clear and concise explanations of microeconomic theories and their applications. They will present economic arguments and findings using appropriate terminology and graphical tools. Students will demonstrate professionalism in their communication of economic ideas.

PO-PSO-CO MAPPING- **MICROECONOMICS I**

	Course Code: DSCC-1	CO1	CO2	CO3	CO4	CO5
PO1	Complex problem-solving	H	H	H	H	H
PO2	Critical thinking	H	H	H	H	H
PO3	Creativity	M	H	H	H	H
PO4	Communication Skills	H	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H	H
PO6	Digital and technological skills	L	L	L	L	L
PO7	Value inculcation (Ethical values)	H	H	H	H	H
PO8	Environmental awareness and action	H	M	M	M	M
PSO1	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H	H
PSO2	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H	H
PSO3	Development, Policy & Welfare in Global and Indian Contexts	L	L	L	L	L
PSO4	From Inquiry to Insight: Building Research Aptitude	-	-	-	-	-
PSO5	Professional Development through Economic Studies	-	-	-	-	-
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	M	M	M	M
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE: SEC-1

COURSE NAME: **Introductory Statistics and Application – I**

CO1: Understanding the Subject Matter of Statistics

Students will define statistics and its role in economic analysis. They will understand the steps involved in statistical methods: collection, presentation, and analysis of data. Students will differentiate between primary and secondary data sources and explain the methods of data collection. They will identify and classify variables (discrete, continuous, and categorical) and understand the concepts of population and sample. They will compare the different measures of central tendency, measures of dispersion, measures of skewness and kurtosis and understand their applications. Students will be able to construct and interpret index numbers. Students will be able to analyze bivariate data using correlation and regression

CO2: Application of Statistical Tools

Students will use statistical methods to analyze economic data, such as price indices, income distribution, and bivariate relationships. They will interpret statistical results and draw meaningful conclusions for economic decision making. Students will apply statistical tools to evaluate economic policies and their impact.

CO3: Communication of Statistical Analysis

Students will present statistical findings using appropriate tables, graphs, and diagrams. They will write clear and concise reports explaining statistical methods and results. Students will demonstrate the ability to communicate complex statistical concepts to both technical and non-technical audiences.

PO-PSO-CO MAPPING- **SEC 1- Introductory Statistics and Application (I)**

	Course Code: SEC1	CO1	CO2	CO3
PO1	Complex problem-solving	L	H	H
PO2	Critical thinking	H	H	H
PO3	Creativity	H	H	H
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	H	H	H
PO7	Value inculcation (Ethical values)	L	L	L
PO8	Environmental awareness and action	-	-	-
PSO1	Mastering Micro & Macro: From Concepts to Applications	-	-	-
PSO2	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSO3	Development, Policy & Welfare in Global and Indian Contexts	-	-	-
PSO4	From Inquiry to Insight: Building Research Aptitude	M	M	M
PSO5	Professional Development through Economic Studies	L	L	L
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	-	-	-
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC2
COURSE NAME--**Macroeconomics I**

CO1: Application of Macroeconomic Concepts

Students will analyze real-world economic issues, such as income determination, inflation, and investment, using macroeconomic theories. They will evaluate the impact of government policies, such as fiscal and monetary policies, on the economy. Students will apply national income accounting methods to assess the economic performance of countries. Students will be able to analyze income determination using the Simple Keynesian Model (SKM), Classical Theory.

CO2: Critical Thinking and Problem-Solving

Students will analyze macroeconomic problems, such as unemployment, inflation, and income inequality, using theoretical frameworks. They will evaluate the effectiveness of macroeconomic policies and propose solutions to economic challenges. Students will critically assess the assumptions and implications of classical and Keynesian theories.

CO3: Communication of Macroeconomic Ideas

Students will present macroeconomic concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of macroeconomic theories and their applications. Students will demonstrate professionalism in their communication of macroeconomic ideas.

PO-PSO-CO MAPPING- **DSCC2- Macroeconomics I**

	Course Code: DSCC-2	CO1	CO2	CO3
PO1	Complex problem-solving	H	H	H
PO2	Critical thinking	H	H	H
PO3	Creativity	L	L	L
PO4	Communication Skills	H	M	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	-	-	-
PO7	Value inculcation (Ethical values)	H	H	H
PO8	Environmental awareness and action	-	-	-
PSO1	Mastering Micro & Macro: From Concepts to Applications	H	H	H
PSO2	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSO3	Development, Policy & Welfare in Global and Indian Contexts	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	L	L	L
PSO5	Professional Development through Economic Studies	-	-	-
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	M	M
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -SEC II
COURSE NAME- **Introductory Statistics and Applications (II)**

CO1: Understanding Economic Data Types and Field Surveys

Students will differentiate between cross-section, time-series, pooled, and panel data. They will understand the nature, advantages, and disadvantages of field survey data. Students will explain the role of pilot surveys in economic data collection and analysis.

CO2: Proficiency in Microsoft Excel for Data Management

Students will input data accurately into Excel and apply formatting options (e.g., number formatting, date formatting). They will use data validation and conditional formatting to ensure data accuracy and highlight trends. Students will sort and filter data to organize and analyze information effectively. They will import and export data from external sources (e.g., CSV files) and export data to different formats (e.g., PDF). Students will be able to use basic formulas and functions in Excel for data analysis. Students will be able to perform frequency analysis and create visual representations of data.

CO3: Calculation of Descriptive Statistics

Students will compute measures of central tendency (mean, median, mode) for both ungrouped and grouped data. They will calculate measures of dispersion (e.g., range, standard deviation) and inequality (e.g., Gini coe¢ cient, Lorenz curve). Students will interpret descriptive statistics using graphical tools such as box plots and histograms.

CO4: Communication of Statistical Analysis

Students will present data analysis results using tables, charts, and graphs. They will write clear and concise reports explaining the methodology, findings, and implications of their analysis. Students will demonstrate professionalism in their communication of statistical ideas.

PO-PSO-CO MAPPING- **Introductory Statistics and Applications (II)**

	Course Code: SEC-2	CO1	CO2	CO3	CO4
PO1	Complex problem-solving	L	H	H	H
PO2	Critical thinking	H	H	H	H
PO3	Creativity	L	H	H	H
PO4	Communication Skills	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	H	H	H	H
PO7	Value inculcation (Ethical values)	-	-	-	-
PO8	Environmental awareness and action	-	-	-	-
PSO1	Mastering Micro & Macro: From Concepts to Applications	-	-	-	-
PSO2	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H
PSO3	Development, Policy & Welfare in Global and Indian Contexts	-	-	-	-
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	-	-	-	-
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC3
COURSE NAME-**Microeconomics II**

CO1: Application of Microeconomic Concepts

Students will analyze real-world economic issues, such as consumer choice, production decisions, and market equilibrium, using microeconomic theories. They will evaluate the impact of government policies, such as taxes and subsidies, on consumer behaviour and market outcomes. Students will apply production and cost analysis to assess firm behaviour and industry dynamics.

CO2: Critical Thinking and Problem-Solving

Students will analyze microeconomic problems, such as consumer choice under uncertainty, firm profit maximization, and market efficiency, using theoretical frameworks. They will evaluate the effectiveness of microeconomic policies and propose solutions to economic challenges. Students will critically assess the assumptions and implications of microeconomic theories.

CO3: Communication of Microeconomic Ideas

Students will present microeconomic concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of microeconomic theories and their applications. Students will demonstrate professionalism in their communication of microeconomic ideas.

PO-PSO-CO MAPPING- **Microeconomics II**

	Course Code: DSCC-3	CO1	CO2	CO3
PO1	Complex problem-solving	H	H	H
PO2	Critical thinking	H	H	H
PO3	Creativity	L	L	L
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	-	-	-
PO7	Value inculcation (Ethical values)	H	H	H
PO8	Environmental awareness and action	-	-	-
PSO1	Mastering Micro & Macro: From Concepts to Applications	H	H	H
PSO2	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSO3	Development, Policy & Welfare in Global and Indian Contexts	L	L	L
PSO4	From Inquiry to Insight: Building Research Aptitude	M	M	M
PSO5	Professional Development through Economic Studies	-	-	-
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	M	M
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC4

COURSE NAME- **Development Economics I**

CO1: Development Economics: Meaning, Scope, and Key Indicators

Understand the meaning, scope, and historical evolution of development economics and the key concepts and measures of economic development, including income-based and multidimensional indicators.

CO2: "Poverty and Inequality: Drivers and Impact

Analyse causes and consequences of poverty, inequality, and their implications using appropriate economic tools and case studies.

CO3: Development Theories and Strategies: A Critical Evaluation

Critically evaluate major classical and contemporary development theories such as dual Economy models, development strategies – balanced and unbalanced and their policy relevance.

CO4: Population, Employment, and Development Linkages

Examine the interrelationship between population growth, labour markets, and development in a global and local context.

CO5: Institutions and Policy for Inclusive Rural Growth

Assess the significance of institutions both national and international, governance, and policy in influencing development outcomes particularly financial inclusion and impact on rural development and poverty alleviation.

CO6: Ethical Data for Sustainable Development

Interpret development challenges using data, promote ethical reasoning, and propose sustainable and inclusive solutions.

PO-PSO-CO MAPPING- **Development Economics I**

	Course Code: DSCC-4	CO1	CO2	CO3	CO4	CO5	CO6
POL	Complex problem-solving	H	H	H	H	H	H
POM	Critical thinking	H	H	H	H	H	H
POH	Creativity			M		M	H
PO4	Communication Skills	M	M		M	M	H
PO5	Analytical reasoning/thinking	M	H	H	H	H	H
PO6	Digital and technological skills		M				H
PO7	Value inculcation (Ethical values)		H			M	H
PO8	Environmental awareness and action		M		M	M	H
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	M	H	M	M	M
PSOM	Building Analytical Skills for Empirical Economic Exploration	L	H		M	L	M
PSOH	Development, Policy & Welfare in Global and Indian Contexts	M	H	H	M	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude		M	L	L	M	H
PSO5	Professional Development through Economic Studies	M	M	M	M	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	H	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	M	M	L	M	M	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -SEC III
COURSE NAME-**Data Analysis and Research Methodology**

COL: Understanding Data Collection Methodologies

Students will differentiate between complete enumeration and sample surveys. They will understand and apply sampling techniques, such as simple random sampling, stratified random sampling, and sampling proportional to size. Students will use random number tables to draw random samples. They will prepare blank tables and design questionnaires for field surveys.

COM: Writing Research Reports

Students will identify research issues, conduct theme-based literature surveys, and define study objectives. They will use tables, graphs, and measures of central tendency and dispersion to analyze and present data. Students will insert footnotes or endnotes and prepare bibliographies following standard citation formats.

COH: Using Power Query in MS Excel and Power BI

Students will connect, transform, combine, and load data using Power Query in Excel. They will use Power BI to load Excel data, visualize data, explore data, and make informed decisions. Students will create dynamic dashboards for data presentation and interpretation.

CO4: Communication of Research Findings

Students will present survey results and analysis using appropriate tables, graphs, and dashboards. They will write clear and concise reports explaining the methodology, findings, and implications of their research. Students will demonstrate professionalism in their communication of research ideas.

PO-PSO-CO MAPPING- **Data Analysis and Research Methodology**

	Course Code: SEC H	COL	COM	COH
POL	Complex problem-solving	M	M	H
POM	Critical thinking	H	H	H
POH	Creativity	H	H	H
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	H	H	H
PO7	Value inculcation (Ethical values)	-	-	-
PO8	Environmental awareness and action	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	-	-	-
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	-	-	-
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	-	-	-
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC5
COURSE NAME-**Mathematical Economics-I**

COL: Understanding Mathematical Preliminaries

Students will understand set operations, Cartesian products, and convex sets. They will perform matrix operations, including finding determinants, inverses, and eigenvalues, and solve systems of linear equations using Cramer's rule. Students will analyze functions of one real variable, including their geometric properties, limits, continuity, and differentiability. They will apply concepts such as convexity, concavity, quasi-convexity, and quasi-concavity to economic functions. Students will graph linear, quadratic, polynomial, power, exponential, and logarithmic functions.

COM: Application of Mathematical Tools in Economics

Students will use mathematical techniques to analyze consumer behavior, firm behavior, and market equilibrium. They will apply optimization techniques to solve economic problems such as profit maximization, cost minimization, and utility maximization. Students will use linear programming to analyze resource allocation and production planning.

COH: Critical Thinking and Problem-Solving

Students will analyze economic problems using mathematical models and techniques. They will evaluate the effectiveness of mathematical tools in solving economic problems. Students will propose solutions to economic challenges based on mathematical analysis.

CO4: Communication of Mathematical Economics Ideas

Students will present mathematical models and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of mathematical economics theories and their applications. Students will demonstrate professionalism in their communication of mathematical economics ideas.

PO-PSO-CO MAPPING- **Mathematical Economics-I**

	Course Code: DSCC-5	COL	COM	COH	CO4
POL	Complex problem-solving	H	H	H	H
POM	Critical thinking	H	H	H	H
POH	Creativity	L	L	L	L
PO4	Communication Skills	M	M	M	M
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	L	L	L	L
PO7	Value inculcation (Ethical values)	-	-	-	-
PO8	Environmental awareness and action	-	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	M	M	M	M
PSO4	From Inquiry to Insight: Building Research Aptitude	M	M	M	M
PSO5	Professional Development through Economic Studies	M	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	-	-	-	-
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC6
COURSE NAME-**Macroeconomics (II)**

COL: Application of Macroeconomic Concepts

Students will analyze real-world economic issues, such as income determination, inflation, and unemployment, using macroeconomic models. They will evaluate the impact of monetary and fiscal policies on economic stability and growth. Students will apply macroeconomic theories to analyze the effects of government budgetary operations and deficit financing.

COM: Critical Thinking and Problem-Solving

Students will analyze macroeconomic problems, such as inflation, unemployment, and policy effectiveness, using theoretical frameworks. They will evaluate the effectiveness of macroeconomic policies and propose solutions to economic challenges. Students will critically assess the assumptions and implications of Keynesian and classical macroeconomic models.

COH: Communication of Macroeconomic Ideas

Students will present macroeconomic concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of macroeconomic theories and their applications. Students will demonstrate professionalism in their communication of macroeconomic ideas.

PO-PSO-CO MAPPING- **Macroeconomics (II)**

	Course Code: DSCC-6	COL	COM	COH
POL	Complex problem-solving	H	H	H
POM	Critical thinking	H	H	H
POH	Creativity	L	L	L
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	-	-	-
PO7	Value inculcation (Ethical values)	M	H	M
PO8	Environmental awareness and action	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	M	M	M
PSO5	Professional Development through Economic Studies	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	-	-	-
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC7
COURSE NAME- **Statistics for Economics**

COL: Application of Statistical Concepts

Students will use probability theory to analyze economic events and risks. They will apply probability distributions to model economic variables and outcomes. Students will use sampling theory to design and analyze surveys and experiments. They will apply statistical inference to estimate population parameters and test economic hypotheses.

COM: Critical Thinking and Problem-Solving

Students will analyze statistical problems, such as estimating parameters and testing hypotheses, using theoretical frameworks. They will evaluate the e§ectiveness of statistical methods and propose solutions to economic challenges. Students will critically assess the assumptions and implications of statistical models.

COH: Communication of Statistical Analysis

Students will present statistical concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of statistical theories and their applications. Students will demonstrate professionalism in their communication of statistical ideas.

PO-PSO-CO MAPPING- **Statistics for Economics**

	Course Code: DSCC-7	COL	COM	COH
POL	Complex problem-solving	H	H	H
POM	Critical thinking	H	H	H
POH	Creativity	H	H	H
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	H	H	H
PO7	Value inculcation (Ethical values)	H	H	H
PO8	Environmental awareness and action	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	L	L	L
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	-	-	-
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC8
COURSE NAME-**Indian Economics (I)**

COL: Understanding Economic Development since Independence

Students will explain the objectives, achievements, and failures of economic planning in India. They will analyze the economic crisis during the late L980s and the subsequent economic reforms. Students will critically evaluate the structural changes in the post-reforms period. They will understand the regional variations in growth and development across India.

COM: Application of Economic Concepts

Students will use economic theories to analyze India's economic growth, development, and reforms. They will evaluate the effectiveness of government policies in addressing issues such as poverty, inequality, and unemployment. Students will apply their knowledge of economic reforms to assess their impact on different sectors of the Indian economy.

COH: Critical Thinking and Problem-Solving

Students will analyze economic problems, such as poverty, inequality, and unemployment, using theoretical frameworks. They will evaluate the e§ectiveness of economic policies and propose solutions to economic challenges. Students will critically assess the assumptions and implications of economic reforms in India.

CO4: Communication of Economic Ideas

Students will present economic concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of economic theories and their applications. Students will demonstrate professionalism in their communication of economic ideas.

PO-PSO-CO MAPPING - **Indian Economics (I)**

	Course Code: DSCC-8	COL	COM	COH	CO4
POL	Complex problem-solving	L	M	H	H
POM	Critical thinking	H	H	H	H
POH	Creativity	H	M	H	H
PO4	Communication Skills	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	L	L	L	L
PO7	Value inculcation (Ethical values)	-	-	-	-
PO8	Environmental awareness and action	M	M	M	M
PSOL	Mastering Micro & Macro: From Concepts to Applications	-	-	-	-
PSOM	Building Analytical Skills for Empirical Economic Exploration	M	M	M	M
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H
PSO5	Professional Development through Economic Studies	M	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCC9
COURSE NAME-**Microeconomics III**

COL: Application of Microeconomic Concepts

Students will use microeconomic theories to analyze imperfect market structures and their implications for pricing and output decisions. They will evaluate the impact of market power on social welfare and propose solutions to mitigate its negative effects. Students will apply general equilibrium and welfare analysis to assess the efficiency of market outcomes and the role of government intervention.

COM: Critical Thinking and Problem-Solving

Students will analyze microeconomic problems, such as market power, inefficiency, and market failure, using theoretical frameworks. They will evaluate the effectiveness of microeconomic policies and propose solutions to economic challenges. Students will critically assess the assumptions and implications of microeconomic models.

COH: Communication of Microeconomic Ideas

Students will present microeconomic concepts and analysis using appropriate terminology and diagrams. They will write clear and concise explanations of microeconomic theories and their applications. Students will demonstrate professionalism in their communication of microeconomic ideas.

PO-PSO-CO MAPPING- **Microeconomics III**

	Course Code: DSCC-9	COL	COM	COH
POL	Complex problem-solving	H	H	H
POM	Critical thinking	H	H	H
POH	Creativity	H	H	H
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	L	L	L
PO7	Value inculcation (Ethical values)	H	H	H
PO8	Environmental awareness and action	H	H	H
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H
PSO5	Professional Development through Economic Studies	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCL0
COURSE NAME-**Macroeconomics III**

COL: **Theoretical Foundations of Modern Macroeconomic Thought**
Students explore the New Classical and New Keynesian frameworks by explaining rational expectations and real business cycle theory, analysing economic rigidities and credit frictions, and comparing the theoretical foundations and policy implications of each approach to macroeconomic analysis.

COM: **Consumption and Money Demand in Macroeconomic Theory**

Students examine key consumption theories—including the Keynesian function, Fisher's intertemporal choice, and income hypotheses—to explore how individuals make spending and saving decisions over time. They also analyze money demand through Tobin's portfolio model and Baumol's inventory model, uncovering how financial behaviour interacts with macroeconomic dynamics and aggregate demand.

COH: **Theories and Models of Long-Run Economic Growth**

Students explore classical and modern growth theories, from Harrod-Domar's savings and investment-driven framework to the Solow model's steady-state dynamics and the role of technological advancement. They also examine endogenous growth theories such as the AK model, identifying key drivers of sustainable economic development and long-run productivity.

CO4: **Macroeconomic Decision-Making and Growth Evaluation**

Students apply macroeconomic theory to examine behaviour related to consumption, money demand, and growth. Through model-based analysis and critical evaluation of policies, they assess long-term economic prospects and propose strategic interventions to enhance efficiency and development.

CO5: **Communicating Macroeconomics Effectively and Professionally**

Students articulate macroeconomic concepts with precision, using accurate terminology and visual representations to support their analysis. Their explanations reflect clarity and conciseness, while maintaining a professional standard in the presentation and communication of theoretical insights and practical applications.

PO-PSO-CO MAPPING - **Macroeconomics III**

	Course Code: DSCC-L0	COL	COM	COH	CO4	CO5
POL	Complex problem-solving	H	H	H	H	H
POM	Critical thinking	H	H	H	H	H
POH	Creativity	M	M	M	M	M
PO4	Communication Skills	M	M	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H	H
PO6	Digital and technological skills	-	-	-	-	-
PO7	Value inculcation (Ethical values)	M	M	M	M	M
PO8	Environmental awareness and action	-	-	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H	H
PSO5	Professional Development through Economic Studies	-	-	-	-	-
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCLL
COURSE NAME-**Mathematical Economics (II)**

COL: **Strategic Decision-Making and Mathematical Applications in Economics**

Students explore key concepts in game theory—including strategic interaction, equilibrium analysis, and dynamic reasoning—to understand economic decision-making. They also apply advanced calculus techniques like substitution and integration by parts to derive total functions from marginal data and evaluate present value, enhancing their analytical capabilities in economic modelling.

COM: **Mathematical Tools for Dynamic Economic Modelling**

Students apply linear and nonlinear difference and differential equations to investigate dynamic economic systems, including models of price adjustment, market equilibrium, and macroeconomic interaction. Using qualitative techniques, phase diagrams, and stability analysis, they translate mathematical theory into economic insights and decision-making frameworks.

COH: **Mathematical Modelling in Economic Analysis**

Students employ mathematical tools and models to investigate complex economic problems, evaluate the efficacy of quantitative methods in generating insights, and develop theory-driven solutions. Through precise terminology, visual representation, and clear communication, they convey mathematical economics concepts with clarity and professionalism.

PO-PSO-CO MAPPING- **Mathematical Economics (II)**

	Course Code: DSCC-LL	COL	COM	COH
POL	Complex problem-solving	H	H	H
POM	Critical thinking	H	H	H
POH	Creativity	M	M	M
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	-	-	-
PO7	Value inculcation (Ethical values)	-	-	-
PO8	Environmental awareness and action	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	M	M
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCLM
COURSE NAME-**Econometrics (I)**

COL: **Exploring Econometric Concepts and Their Applications**
Students will distinguish between economic and econometric models, understand stochastic relationships and random disturbances, and explore how econometrics applies to fields like economics, finance, and public policy.

COM: **Core Skills in Regression Analysis and Addressing Common Issues in Regression Diagnostics**

Students will estimate regression models, test hypotheses, assess model fit, and interpret results for statistical and economic significance. They will also apply correlation analysis, use dummy variables, and forecast with error evaluation. Further, they will strengthen their understanding of regression analysis by addressing key diagnostic issues such as multicollinearity, heteroscedasticity, and autocorrelation.

COH: **Applying Econometrics to Real-World Challenges with Critical Insight**
Students will apply econometric methods to analyze economic relationships, test hypotheses, and validate models. They'll critically evaluate assumptions, interpret results for real-world relevance, and refine their forecasting skills. Effective communication of insights and findings will be emphasized, using precise language and visuals to convey analytical rigor and thoughtful interpretation.

PO-PSO-CO MAPPING- **Econometrics (I)**

	Course Code: DSCC-LM	COL	COM	COH
POL	Complex problem-solving	H	H	H
POM	Critical thinking	H	H	H
POH	Creativity	M	M	M
PO4	Communication Skills	H	H	H
PO5	Analytical reasoning/thinking	H	H	H
PO6	Digital and technological skills	H	H	H
PO7	Value inculcation (Ethical values)	H	H	H
PO8	Environmental awareness and action	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	M	M	M
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	M	M	M
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	M	M	M
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCLH
COURSE NAME-**International Economics (I)**

COL: **Theoretical Foundations and Empirical Insights in International Trade**
Students will examine foundational trade theories such as absolute and comparative advantage, explore arbitrage and the Ricardian model's insights, and use analytical tools like offer curves and indifference curves to understand trade equilibrium. They will evaluate the Heckscher-Ohlin framework, factor price theories, and trade stability conditions, while critically assessing empirical studies like the Leontief paradox to connect theory with real-world evidence.

COM: **Trade Policies and International Financial Frameworks**
Students will examine tariffs, quotas, and subsidies through partial and general equilibrium frameworks, assessing cost-benefit outcomes and welfare effects. They'll evaluate trade instruments, explore monopoly impacts, and interpret key concepts like optimum tariffs and tariff wars. Additionally, students will analyze the balance of payments and understand how fixed and flexible exchange rate systems influence international trade and finance.

COH: **Strategic Analysis in International Trade and Finance**

Students will apply trade theories to examine trade patterns and identify the gains from trade, critically evaluate the effects of trade policies on economic welfare, and propose informed solutions to trade-related issues. They will also use their understanding of balance of payments to assess how various exchange rate regimes influence international trade and financial stability.

CO4: **Critical Thinking and Communication in International Trade**

Students will analyze global trade issues like imbalances and protectionism through theoretical lenses, evaluate trade policy effectiveness, and propose practical solutions. They will critically assess trade theory assumptions, articulate concepts clearly with appropriate terminology and visuals, and communicate ideas professionally and concisely.

PO-PSO-CO MAPPING- **International Economics (I)**

	Course Code: DSCC-LH	COL	COM	COH	CO4
POL	Complex problem-solving	H	H	H	H
POM	Critical thinking	H	H	H	H
POH	Creativity	M	M	M	M
PO4	Communication Skills	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	-	-	-	-
PO7	Value inculcation (Ethical values)	L	L	L	L
PO8	Environmental awareness and action	-	-	-	-
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H
PSO5	Professional Development through Economic Studies	M	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCL4
COURSE NAME-**Environmental & Resource Economics (I)**

COL: **Economy, Environment, and Efficiency**
Students will define environmental economics, explore its scope, analyze the connections between the economy and the environment, including the circular economy concept, and understand how environmental degradation affects economic activities. Further, they will explain externalities, public goods, and their role in market failure, and understand property rights and the Coase theorem as solutions to environmental externalities.

COM: **Environmental Policy and Regulation**
Students will explore the history and design of environmental regulations, analyzing their monitoring and enforcement. They'll study Pigouvian fees, including their application to single and multiple polluters, and compare fees to subsidies. Additionally, students will evaluate different pollution regulation approaches, such as command-and-control measures, economic incentives, and tradable pollution permits, understanding the strengths and limitations of each.

COH: **Economic Valuation of Environmental Resources**
Students will grasp the concept of total economic value, encompassing user and non-user values. They'll analyze market-based valuation methods and explore values related to future use, bequest, and vicarious consumption. Additionally, students will evaluate objective standard-based valuation methods and subjective preference-based methods, including revealed preference approaches (Travel Cost Method and Hedonic Price Theory) and stated preference methods (Contingent Valuation Method).

CO4: **Critical Thinking in Environmental Economics Analysis and Application**
Students will apply environmental economics theories to evaluate the effectiveness of regulations and policies, using valuation methods to assess costs and benefits. They'll analyze the impact of environmental policies on economic activities and sustainability, and use theoretical frameworks to understand environmental problems like pollution and resource depletion. Students will also critically assess environmental economics theories, propose solutions to environmental challenges, and effectively communicate their ideas using appropriate terminology, diagrams, and clear writing.

PO-PSO-CO MAPPING - **Environmental & Resource Economics (I)**

	Course Code: DSCC-L4	COL	COM	COH	CO4
POL	Complex problem-solving	H	H	H	H
POM	Critical thinking	H	H	H	H
POH	Creativity	M	M	M	M
PO4	Communication Skills	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	-	-	-	-
PO7	Value inculcation (Ethical values)	H	H	H	H
PO8	Environmental awareness and action	H	H	H	H
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H
PSO5	Professional Development through Economic Studies	M	M	M	M
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-

COURSE CODE -DSCCL5
COURSE NAME-**Public Finance (I)**

COL: **Government Intervention and Public Goods**
Students will revisit market failure and externalities, understanding the role of government in addressing these issues. They'll explore characteristics of public, merit, mixed, club, and partial public goods, and analyze government functions in allocation, distribution, stabilization, and regulation. Students will also differentiate between public and private goods, examining market failure and the need for public provi

COM: **Principles and Analysis of Taxation**
Students will classify taxes and explore the canons and principles of taxation, including benefit, ability-to-pay, and equal sacrifice principles. They'll analyze tax incidence, burden, and effects on work, risk-bearing, and savings. Additionally, students will study the Laffer curve, compare direct and indirect taxes, and understand optimal taxation concepts, focusing on equity and efficiency implications.

COH: **Public Finance: Expenditure, Debt, and Fiscal Frameworks**
Students will explore public expenditure classification and government budget components, including deficits. They'll analyze public debt concepts, such as Domar's model and Ricardian equivalence, and understand sources of public borrowing and its economic effects. Additionally, students will study fiscal federalism and tax devolution principles.

CO4: **Critical Analysis and Policy Application**
Students will use public economics theories to evaluate government policies addressing market failures and promoting economic welfare. They'll apply knowledge of taxation, public expenditure, and public debt to assess fiscal health and analyze the impact of fiscal policies on economic stability and growth. Students will also critically assess public economics theories, evaluate policy effectiveness, propose solutions to economic challenges, and effectively communicate their ideas using appropriate terminology, diagrams, and clear writing.

PO-PSO-CO MAPPING- **Public Finance (I)**

	Course Code: DSCC-L5	COL	COM	COH	CO4
POL	Complex problem-solving	H	H	H	H
POM	Critical thinking	H	H	H	H
POH	Creativity	M	M	M	M
PO4	Communication Skills	H	H	H	H
PO5	Analytical reasoning/thinking	H	H	H	H
PO6	Digital and technological skills	-	-	-	-
PO7	Value inculcation (Ethical values)	H	H	H	H
PO8	Environmental awareness and action	M	M	M	M
PSOL	Mastering Micro & Macro: From Concepts to Applications	H	H	H	H
PSOM	Building Analytical Skills for Empirical Economic Exploration	H	H	H	H
PSOH	Development, Policy & Welfare in Global and Indian Contexts	H	H	H	H
PSO4	From Inquiry to Insight: Building Research Aptitude	H	H	H	H
PSO5	Professional Development through Economic Studies	H	H	H	H
PSO6	Economics with Integrity: Social, Political, and Environmental Perspectives	H	H	H	H
PSO7	Clarity in Complexity: Communicating Economic Insight	H	H	H	H

Mapping Correlation

High	Medium	Low	No correlation
H	M	L	-