Salesian College

(Autonomous)
Sonada - Siliguri

National Education Policy (NEP) 2020 Curriculum Framework
For
Bachelor of Science/Arts in Economics

Department of Economics

Curriculum Document
2023 – 2024

Vision

The Department envisions to develop an academic environment that is conducive to promote high quality education and research, and to offer educational opportunities to the students so as to develop them into accomplished professionals with an economic bent of mind, who can be successful across different avenues.

Mission

The mission of the department to achieve high academies excellence, create an environment for holistic development of the students, instil critical thinking, foster a better understanding of global, national, and local socioeconomic conditions and problems, and establish a research-oriented ecosystem for the students.

1. Programme Overview

Bachelor of Science/Arts in Economics is a four-year degree programme with the possibility of completing the fourth year with research if a particular student secures 75% CGPA in the previous exams.

2. Programme Objectives and Outcomes (POs)

After completion of the programme, a student will be able to:	
Knowledge	PO01: Develop a foundational understanding of economic principles to analyse economic systems and principles.
	PO02: Build quantitative skills necessary for economic analysis, such as mathematics, statistics and econometrics, to effectively interpret economic data.
	PO03: Foster critical thinking skills to evaluate economic issues, policies and arguments, and to make informed decisions based on economic arguments.
	PO05: Gain a historical context for economic theories and policies, allowing students to understand the evolution of economic thought and institutions.
	PO05: Explore ethical dimensions of economic decisions and policies, including issues related to social justice, environmental sustainability and economic equality.
Skills	PO06: Develop effective written and oral communication skills to convey economic ideas, theories, and research findings clearly and persuasively.
	PO07: Gain proficiency in using economic software, data analysis tools, and technology, relevant to economic research and analysis.
	PO07: Demonstrate financial literacy and understanding of personal finance, including budgeting, investing, and retirement planning.
	PO08: Apply economic principles to real world scenarios, including case – studies, projects and research assignments.
Competence	PO09:Develop problem solving skills that are applicable across various fields and industries, emphasizing the ability to address practical economic challenges.
	PO10:Initiate a life as an independent economic thinker, staying updated on the latest economic theories, policies and trends.
	PO11: Develop critical thinking and problem solving skills, to identify economic problems and to conduct independent research.

3. Programme Specific Objectives & Outcomes (PSOs)

By the end of the Course, the students will be able to:	
Knowledge	PSO1: Develop understanding of the microeconomic and macroeconomic theories.
	PSO2: Build quantitative skills to understand economic theories, using mathematics, statistics and economics.
	PSO3: Gain the historical and contemporary knowledge about Indian Economy, issues and progress.
	PSO3: A Develop a deep knowledge about development theories.
	PSO4: Gain comprehensive understanding of public finance principles and government budgeting.
	PSO5: Master International Trade theories, exchange rates and global economic institutions.
	PSO6: understand the economic dimensions of gender inequality, including the gender wage gap, labour force participation, and gender based discrimination.
	PSO7: Acquire deep understanding of the healthcare systems, including their organisation, financing and delivery systems.
Skills	PSO1: Analyse and model microeconomic scenarios, evaluate market outcomes and apply microeconomic principles to real world situations.
	PSO2: Analyse macroeconomic trends and indicators, assess the impact of govt policies on the economy and predict economic fluctuations.
	PSO3: Formulate and solve mathematical economic models and apply mathematical optimisation techniques.
	PSO4: Design and conduct economic surveys, analyse economic data using statistical software.
	PSO5: Analyse Indian Economic data and trends and formulate policies for Indian Context.
	PSO6:Assess the impact of development policies and analyse development indicators.
	PSO7: Assess the impact of exchange rate fluctuations.
	PSO8: Evaluate Govt budgets and fiscal policies and analyse the economic impact of public programs.
	PSO9: Evaluate healthcare cost effectiveness and analyse healthcare market dynamics.
	PSO10: Able to analyse gender based economic disparities and assess environmental policy impacts.
Competence	PSO1: Formulate and assess economic policies and micro level.
	PSO2: Have critical evaluation of macroeconomic policies and prescription.
	PSO3: Conduct economic analysis using advanced mathematical methods.
	PSO4: Present and interpret statistical findings in economics.
	PSO5: Have critical evaluation on international trade policies.
	PSO6: Design efficient public policies and fiscal strategies.
	PSO7: Contribute to healthcare policy and management decisions.
	PSO8: Promote gender sensitive and environmentally sustainable economic policies.
	PSO9: Conduct independent research.

4. PROGRAMME MATRIX

- **COURSE CODE & COURSE TITLE:**

4.1. Major Courses

	Course Code	Course Titles
1	**23ECNMAJ101**	**Introductory Microeconomics**
2	**23ECNMAJ102**	**Mathematical Economics - I**
3	**23ECNMAJ103**	**Introductory Macroeconomics**
4	**23ECNMAJ104**	**Mathematical Economics - II**
5	**23ECNMAJ201**	**Intermediate Microeconomics - I**
6	**23ECNMAJ202**	**Intermediate Macroeconomics - I**
7	**23ECNMAJ203**	**Intermediate Microeconomics - II**
8	**23ECNMAJ204**	**Intermediate Macroeconomics - II**
9	**23ECNMAJ205**	**Mathematical Economics - III**
10	**23ECNMAJ301**	**Indian Economy - I**
11	**23ECNMAJ302**	**Development Economics**
12	**23ECNMAJ303**	**Statistics - I**
13	**23ECNMAJ304**	**Indian Economy - II**
14	**23ECNMAJ305**	**International Economics**
15	**23ECNMAJ306**	**Statistics and Econometrics**
16	**23ECNMAJ307**	**Sample Survey**
WITH RESEARCH		
17	**23ECNMAJ401**	**Economic Thought**
18	**23ECNMAJ402**	**Environmental Economics**
19	**23ECNMAJ403**	**Tourism Economics**
20	**23ECNMAJ404**	**Agricultural Economics**
21	**23ECNMAJ405**	**Gender Economics**
WITHOUT RESEARCH		
17	**23ECNMAJ401**	**Economic Thought**
18	**23ECNMAJ402**	**Environmental Economics**

19	**23ECNMAJ403**	**Tourism Economics**
20	**23ECNMAJ404**	**Agricultural Economics**
21	**23ECNMAJ405**	**Economics of Health and Education**
22	**23ECNMAJ406**	**Public Economics**
23	**23ECNMAJ407**	**Economic History of India**
24	**23ECNMAJ408**	**Tribal Economics**

4.2. Minor Course

	Course Code	Course Title
1	**23ECNMIN101**	**Microeconomics**

4.3. Multi-Disciplinary Course (MDC)

	Course Code	Course Title
1	**23ECNMDC101**	**Microfinance**
2	**23ECNMDC102**	**Public Economics and Policy Analysis**

4.4. Skill Enhancement Course (SEC)

	Course Code	Course Title
1	**23ECNSEC101**	**Basic Computer Applications**
2	**23ECNSEC102**	**Travel and Tourism**

4.5. Value Added Course (VAC)

	Course Code	Course Title
1	**23ECNVAC101**	**Economic Debate and Discussion**

5. Programme Matrix

Semester	Course Code	Course Type	Title of the Course (40 characters including space)	Credit	Lecture Tutorial Practical (L+T+P)	Total Hours	Total Marks
I	23ECNMAJ101	Major	Introductory Microeconomics	4	4+0+0	60	100
	23ECNMAJ102	Major	Mathematical Economics - I	4	4+0+0	60	100
	23ECNMIN101	Minor	Microeconomics	4	4+0+0	60	100
	23ECNMDC101	MDC	Microfinance	3	3+0+0	45	100
	23AECE101	AEC	Compulsory English	2	2+0+0		50
	23ECNSEC101	SEC	Basic Computer Applications	3	2+0+2	45	100
	23SCSVAC1	VAC	Value Education	1	1+0+0	15	25
	23ECNVAC101	VAC	Economic Debate and Discussion	1	0+0+2	30	25
	Total						
II	23ECNMAJ103	Major	Introductory Macroeconomics	4	4+0+0	60	100
	23ECNMAJ104	Major	Mathematical Economics – II	4	4+0+0	60	100
	23ECNMDC102	MDC	Public Economics and Policy Analysis	3	3+0+0	45	100
	23ECNAEC102	AEC	ALT Eng	2	2+0+0		50
	23ECNSEC102	SEC	Travel and Tourism	3	2+0+2	45	100
	23SCSVAC2	VAC	Environmental Education	1			25
	23ECNVAC102	VAC		1			25
	Total						

6. Course Content

6.1 Course Description

Course Code	23ECNMAJ101
Course Title	Introductory Microeconomics
Credits	4
Total Hours	60
Hours per Week	4
Course Type	Major
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a) Introduces economics. b) Discusses the concepts of Demand and supply. c) Covers the theory of Consumers Behaviour. d) Covers the theory of producers Behaviour.
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives	**The objectives of the course are to:** a. Introduce economics as a subject to the students. b. Provide the students with the concepts of Demand and Supply. c. Provide the students with the understanding of Market Elasticity. d. Provide the students with the understanding of the theories of consumers behaviour. e. Provide the students with the understanding of the theory of producers' behaviour.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Define Economics.	R, U
CO2	Discuss the concepts of Demand and Supply and discuss the factors affecting demand and supply.	R, U, A1
CO3	Explain and calculate the elasticities of demand and supply.	R, U, A1, A2
CO4	Analyse consumers behavior using cardinal and ordinal theories.	R, U, A1, A2
CO5	Analyse producers' behavior.	R, U, A1, A2

Course Content

Units	Content	Lecture Hours	COs	RBT
Unit I	**Exploring the Subject Matter of Economics**: a. Scope and method of economics b. The economic problem: scarcity and choice c. Opportunity cost and decision making d. Decision takers: Households, firms and Central authorities	**5**	**CO1**	**R U**
Unit II	**Demand and Supply:** a. Determinants of individual demand and supply b. Law of demand and Law of supply c. Demand and supply schedule demand and supply curve d. Market versus individual demand and supply e. Shifts in the demand and supply curve. f. Market equilibrium and stability of equilibrium.	**15**	**CO2**	**R U A1 A2**
Unit III	**Elasticity of demand & supply:** a. The concept of elasticity of demand b. Point and arc elasticity, cross price elasticity and income elasticity of demand c. Elasticity of supply	**5**	**CO3**	**R U A1 A2 E**
Unit IV	**Consumer and Household Behaviour:** a. Cardinal utility theory: Law of diminishing Marginal Utility, derivation of Marshallian demand curve. b. Ordinal utility theory: Indifference curves and their properties, budget line, consumers' equilibrium. c. Income Consumption Curve, price consumption curve and Engel's curve. d. Demand elasticity and classification of commodities, Normal, Inferior and Giffen goods, Income and Substitution effect e. Revealed Preference Theory.	**20**	**CO4**	**R U A1 A2 E**
Unit V	**Producer/Firm Behaviour:** a. The concepts of Total Revenue, Marginal Revenue and Average Revenue b. Production function c. Law of variable proportion d. Fixed co-efficient production function e. Returns to a factor, returns to scale, iso-quant and its properties, iso-cost line. f. Marginal rate of technical substitution g. Equilibrium of the producer	**15**	**CO5**	**R U A1 A2 E**

	h. Constrained output maximization and constrained cost minimization i. Expansion path j. Elasticity of substitution k. Cobb-Douglas and CES production function.			

Learning Resources:

- Ahuja, H.L. (2010). Modern Economics. S. Chand and Co. Ltd.
- Gravelle, & Rees. Microeconomics. Pearson.
- Henderson, & Quandt. Microeconomic Theory. McGraw Hill.
- Stiglitz, J.E., & Walsh, C.E. Economics. W.W. Norton.
- Case, K.E., & Fair, R.C. Principles of Economics. Pearson Education Inc.
- Koutsoyiannis. Microeconomic Theory. Macmillan.
- Lipsey, & Chrystal. An Introduction to Positive Economics. OUP.
- Madalla, & Miller. Microeconomics-Theory and Applications. McGraw Hill.
- Mankiw, N.G. Economics: Principles and Applications. India edition by South Western.
- Pindyck, Rubinfeld, & Mehta. Microeconomics. Pearson Education Asia. (CTB)
- Salvatore, D. Microeconomics. OUP.
- Varian, H.R. Intermediate Microeconomics: A Modern Approach. (CTB)
- Gould, & Lazear. Micro Economics.

R: Remembering, U: Understanding, A1: Applying,A2: Analysing, E: Evaluating, C: Creating

6.1.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment*: 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. $5 \times 4 = 20$.
c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. $10 \times 2 = 20$

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Bickey Sharma Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

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6.2 Course Description

Course Code	23ECNMAJ102
Course Title	Mathematical Economics - I
Credits	4
Total Hours	60
Hours per Week	4
Course Type	Major
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a. Covers the concepts of Sets, Matrix and Determinants. b. Explores Basic calculus and its application in Economics. c. Covers Maxima and Minima and its application in Economics.
Prerequisite	Students need to have had studied either mathematics or business mathematics and business economics in class 12.
Course Objectives (total 5)	**The objectives of the course are:** a. Enable students to understand the concepts of Sets and solve mathematical problems related to them. b. Enable students to understand the concepts of matrices and determinants and solve mathematical problems related to them. c. To provide the knowledge of basic calculus to the students, including differential Calculus, integral calculus and maxima and minima. d. Enable students to apply the concepts of differential calculus, integral calculus and to solve problems in economics. e. Enable students to apply the concepts of maxima and minima and to solve problems in economics.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Define sets and solve mathematical problems related to them.	**R**
CO2	Explain the concepts of matrices and determinants and solve mathematical problems related to them.	**U &AI**
CO3	Demonstrate the knowledge of basic calculus to the students, including differential Calculus, integral calculus and maxima and minima.	**A2**

CO4	Apply the concepts of differential calculus, integral calculus and to solve problems in economics.	**E**
CO5	Apply the concepts of maxima and minima and to solve problems in economics.	**R**

Course Content

Units	Content	Lecture Hours	COs	RBT
Unit I	**Theory of Sets:** a. Sets, Set Notations, Set Operations. b. Convex Sets and their Properties. c. Relations, Functions and their Properties. d. The Number System.	**15**	**CO1**	**R U A1 A2 E**
Unit II	**Matrices and Determinants:** a. Vectors and Matrices, Matrix operations, Determinants. b. Inverse Matrix, Solution of a system of linear equation. c. Bordered Hessian Determinant and Cramer's rule. d. Applications in Economics: Comparative Static Analysis and Derivation of the Slutsky Equation.	**15**	**CO2**	**R U A1 A2 E**
Unit III	**Differential Calculus and Applications in Economics:** a. Derivative of a Function, Rules of Differentiation, Partial and Total Differentiation, Euler's Theorem. b. Applications in Economics: Demand Function, Elasticity of Demand, Marginal Revenue, Marginal Utility, Marginal Cost, Slope and Curvature of Indifference Curve, Point of Inflexion, Returns to Scale. c. Homogeneous Functions and their Properties, Cobb-Douglas Production Function and its Properties.	**10**	**CO3**	**R U A1 A2 E**
Unit IV	**Integral Calculus and Applications in Economics:** a. Concept of Integration, Rules of Integration, Definite and Indefinite Integral. b. *Applications in Economics*: Finding out Total Revenue Functions, Total	**10**	**CO4**	**R U A1 A2 E**

	Cost Function, Consumption Function and Saving Function when Marginal Functions are given. c. Consumer's Surplus and Producer's Surplus.			
Unit V	**Maxima and Minima and Applications in Economics:** a. Extreme Values of Bi-variate Functions, Sufficient Condition for Extreme Values, First and Second Order Conditions for Optimization without Constraints. b. Constraints Optimization Problems in Economics: Lagrange Multiplier Method, Utility Maximization subject to Budget Constraint, Output Maximization subject to Cost Constraint, Cost Minimization subject to an Output Constraint. c. Relation between AP and MP, Relation between AC and MC, Expansion Path. d. Derivation of Ordinary and Compensated demand curves.	**10**	**CO5**	**R** **U** **A1** **A2** **E**

Learning Resources:

- Allen, R. G. D. Mathematical Analysis for Economics. Macmillan.
- Archibald, & Lipsey. An Introduction to the Mathematical Treatment of Economics. AITBS.
- Bailey, D. Mathematics in Economics. McGraw Hill.
- Baumol, W. J. Operations Research – An Introduction. Prentice Hall.
- Chiang, A. C., & Wainwright, K. Fundamental Methods of Mathematical Economics. McGraw Hill. (CTB)
- Dorfman, R. P., Samuelson, P. A., & Solow, R. M. Linear Programming and Economics Analysis. McGraw Hill.
- Geoff, Renshaw. Maths for Economics. OUP.
- Henderson, J. M., & Quandt, R. D. Micro Economic Theory – A Mathematical Approach. McGraw Hill. (CTB)
- Hoy, M., Livernois, J., McKenna, C., Rees, R., &Stengos, T. Mathematics for Economics. Prentice Hall.
- Mukherjee, B., & Pandit, V. Mathematical Methods for Economic Analysis. Allied.
- Silberberg, E. The Structure of Economics – A Mathematical Analysis. McGraw Hill. (CTB).
- Taha, H. A. Operations Research – An Introduction. Prentice Hall.
- Yamane, T. Mathematics for Economists – An Elementary Survey. Prentice Hall.
- Sydsæter, K., & Hammond, P. Mathematics for Economic Analysis. Pearson E. Asia, New Delhi. (CTB)

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.2.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment*: 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. $5 \times 4 = 20$.
Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. $10 \times 2 = 20$.

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Phu Tshering Sherpa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

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6.3 Course Description

Course Code	23ECNSEC101
Course Title	Basic Computer Applications
Credits	3
Total Hours	60
Hours per Week	4
Course Type	Skill Enhancement Course
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a. Covers introduction to computers. b. Discusses the storage devices. c. Introduces word processing. d. Discusses worksheets. e. Covers Presentation graphics. f. Covers application of computer applications in economics.
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives	**The objectives of the course are to**: a. Introduce the concept of computers to the students. b. Enable students to understand storage devices. c. Provide the basics of word processing to the students. d. Provide the basics of spreadsheets to the students. e. Provide the knowledge of graphic presentation to the students. f. Enable students to apply computer applications in economics.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of the course, the student will be able to:

COs	Statements	Cognitive Level Mapping
C01	Discuss the history, concepts and characteristics of computing systems	R,U
C02	Discuss storage devices	R,U
C03	Explain the techniques of operating on a MS Word worksheet	R,U,A1,A2,E
C04	Outline the steps in operating on MS Excel Work	R,U,A1,A2,E
C05	Create PowerPoint presentations	R,U,A1,A2,C

C06	Apply computer applications in economics	R,U,A1,A2,C		
Units	**Content**	**Lecture Hours**	**COs**	**RBT**
Unit I	**Introduction to Computer:** a. History of development of Computers. b. Concepts of Computer System, Characteristics; Capabilities and limitations. c. Generations of Computers. d. Basic components of Computer System	**5**	**C01**	**R** **U**
Unit II	**Storage Devices:** a. Storage fundamentals; Primary vs Secondary. b. Data Storage and Retrieval methods. c. Sequential, Direct and Index Sequential and Various Storage Devices	**5**	**C02**	**R** **U**
Unit III	**Word Processing - MS Word:** a. Introduction to Word Processing. b. Introduction to MS Word: Features. c. Creating, Saving and Opening documents in Word, Interface, Toolbars, Ruler, Menus, Keyboard, Shortcut. d. Editing a Document, Selecting, Inserting, Deleting, Moving text. e. Previewing documents, printing documents, shrinking a document to fit a page. f. Formatting Documents: Paragraph formats, Aligning Text and Paragraph, Borders and Shading, Headers and Footers, Multiple Columns.	**15**	**C03**	**R** **U** **A1** **A2** **E**
Unit IV	**Worksheet & MS Excel:** a. Worksheet basics, creating worksheet, entering data into worksheet, heading information, data, text, dates, cell formatting values, saving & protecting worksheet. b. Working with single and multiple workbook – coping, renaming, moving, adding and deleting, coping entries and moving between workbooks, c. Working with formulas & cell referencing, Formatting of worksheet. Previewing & Printing worksheet, Graphs and charts, various charts type, formatting	**15**	**C04**	**R** **U** **A1** **A2** **E**

	grid lines & legends, previewing & printing charts.			
Unit V	**Presentation Graphics - MS Power Point** a. Features and various versions, Creating presentation using Slide master and template in various colour scheme, b. Working with different views and menus of power point, Working with slides. c. Drawing and inserting objects using Clip Art's pictures and charts. d. Custom Animation, slide transition effects and other animation effects.	**10**	**C05**	**R U A1 A2 C**
Unit VI	**Applications in Economics:** a. Population census versus sample surveys. b. Random sampling, Frequency distribution and summary Statistics, Data entry. c. Mathematical Functions, Financial functions, Statistical Functions. d. Creating simple Line, Bar and Pie charts, Simple two variable regressions.	**10**	**CO6**	**R U A1 A2 C**

Learning Resources:

- Rajaraman, V. (2014): Fundamental of Computer, Prentice Hall India Pvt. Limited, New
- Delhi. (CTB)
- Dubey, Manoj (2013): P C Packages, Kamal Prakashan, Indore.
- Mansoor, A. I. T. (2014): Tools and Applications, Pragya Publications, Matura.
- Ash Narayan Sah (2012): Data Analysis Using Microsoft, Excel Books, India. (CTB)

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.3.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. Summative Assessment: 50 marks

ii. i. Theory paper of 50 marks, scaled down to 25 marks. (Time: 2 hours)

a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.

b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT.$5 \times 4 = 20$.

c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. $10 \times 2 = 20$

ii. ii. Practical paper of 50 marks, scaled down to 25 marks. Marks distribution as follows:

a. Lab report: 10 marks b. Viva-voce: 10 marks c. Department/subject specific questions: 30 marks.

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Ms. Ashiya Thapa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

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6.4. Course Description

Course Code	23ECNVAC101
Course Title	Economic Debate and Discussion
Credits	1
Total Hours	30
Hours per Week	2
Course Type	Value added course
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	This course is designed to engage students in meaningful debates and discussions on various economic topics, enabling them to develop critical thinking skills and a deeper understanding of economic concepts. Through constructive debates and open dialogues, students will explore controversial issues, analyse multiple perspectives, and build their ability to formulate and defend informed opinions. This module aims to create a dynamic learning environment where students actively participate in analysing real-world economic challenges and policy decisions.
Course Objectives	By the end of this course, students will: • Develop critical thinking skills by evaluating economic arguments, identifying logical fallacies, and analysing complex economic issues from multiple viewpoints. • Deepen their understanding of fundamental economic concepts by applying them to real world scenarios and debating their implications. • Improve their ability to communicate complex economic ideas persuasively and concisely in both written and verbal forms. • Enhance research skills through in-depth exploration of economic topics, data analysis, and evidence-based argumentation. • Cultivate an atmosphere of respectful and constructive debate, where differences in opinion are valued, and students learn to engage in civil discourse. • Cultivate an atmosphere of respectful and constructive debate, where differences in opinion are valued, and students learn to engage in civil discourse. • Apply economic principles to contemporary economic challenges and policy decisions, gaining practical insights into real-world economic issues. • Encourage independent thinking and the ability to question prevailing economic wisdom by examining the strengths and weaknesses of various economic theories and policies.

	• Develop a global perspective by exploring economic debates from international and cross-cultural angles, recognizing the interconnectedness of economies. • Synthesize knowledge gained throughout the module to critically evaluate the economic policies and decisions made by governments, organizations, and individuals.
Session 1: Introduction to economic debate. Importance of Economic Debates. Rules of constructive debates and respectful discourse. **Session 2:** Debate on economic systems – Capitalism vs Socialism vs mixed economies. Debate on importance of Government in an economy. Pros and cons of Economic systems. **Session 3:** Discussion on the causes and consequences of Income Inequality. Policy Debates on addressing Income Inequality. Discussion on role of taxation, minimum wages and wealth redistribution. **Session 4:** Debate on contemporary economic topics. **Session 5:** Debate on Economic Growth vs Environmental Sustainability. Debate on Sustainable Development. **Session 6:** Discussion on benefits and challenges of Globalisation. Debate on Free Trade vs Protectionism. Debate on the impacts of international trade on local industries and labour market. **Session 7:** Debate on Public vs Private healthcare systems. Debate on the current healthcare system in India. **Session 8:** Debate on contemporary economic topics. **Session 9:** Discussion on the role of education in economics development. Debate on Public vs Private education systems. Debate on the present education system in India. **Session 10:** Discussion on the minimum wage and labour market challenges in India. Discussion on the history of the plantation labour systems in the tea gardens in North Bengal. Discussions on contemporary challenges faced by the tea garden labours in the North Bengal region. **Session 11:** Debate on the impact of automation on employment. Debate on the role of technology on economics Development. **Session 12:** Debate on contemporary economic topics. **Session 13:** Discussion on Sustainable tourism. Debate on the impact of tourism in the North Bengal region. Urban tourism vs rural tourism. **Session 14:** Debate on emerging economic issues like climate change. Student-led debate on pressing economic topics. Reflection and takeaways. **Session 15:** Final discussion and feedback.	

6.4.1 Assessment

The course carries 25 marks. The evaluation will be done continuously by the course instructor based on the individual performance and participation of the students in each session. A final score will be tabulated and assigned by the end of the course bases on the evaluators observation through it.

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Bickey Sharma Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:
	(Seal)	(Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

6.5. Course Description

Course Code	23ECNMAJ103
Course Title	Introductory Macroeconomics
Credits	4
Total Hours	60
Hours per Week	4
Course Type	Major
Semester	II
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a. Introduces macroeconomics b. Explains National Income Accounting c. Discusses the classical theory of macroeconomics d. Explains the fundamentals of the Keynesian theory of income and employment
Prerequisite	Students should have understanding of English language
Course Objectives	**The objectives of the course are to**: i. Enable students to define macroeconomics, understand its nature and to differentiate it from microeconomics. ii. Provide the students with the concept of national income accounting. iii. Provide the students with the understanding of the classical theory of macroeconomics. iv. Introduce and explain to the students the Keynesian theory of macroeconomics. v. Provide the students with the concept of the Keynesian Multiplier.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Define Macroeconomics and differentiate it from Microeconomics.	R
CO2	Discuss the concepts of National Income Accounting.	U
CO3	Explain the Classical Theory of Income and Employment.	A1
CO4	Demonstrate deep understanding of the Simple Keynesian Model.	A2
CO5	Discuss the Simple Keynesian Multiplier	E

Course Content				
Units	**Content**	**Lecture Hours**	**COs**	**RBT**
Unit I	**Introduction to Macroeconomics:** a. Nature of Macroeconomics b. Scope and Importance of Macroeconomics c. Difference between microeconomics and macroeconomic.	**6**	**CO1**	**R U**
Unit II	**National Income Accounting:** a. Definitions of National Income, Concepts of GNI, GDP, GNP, NDP, NNP and NNP at factor cost and at market price, three methods of GNP b. Methods of measuring National Income, c. Difficulties in the measurement of National Income d. Price indices: CPI, WPI and GDP deflator, e. Nominal GNP and real GNP f. Saving-Investment gap and its relation with budget deficit and trade surplus. g. National income as a measure of welfare.	**15**	**CO2**	**R U A1 A2**
Unit III	**The Classical Theory:** a. Basic ideas of Classical Macroeconomics b. Say's Law c. Quantity Theory of Money, Loanable fund theory d. The Classical Theory of Income and Employment determination e. Full Employment and wage-price flexibility f. Classical Dichotomy and Neutrality of Money.	**10**	**CO3**	**R U A1 A2 E**
Unit IV	**The Simple Keynesian Model (SKM) in a Closed Economy**: a. The Simple Keynesian Model (SKM) in a Closed Economy without Government b. The Keynesian Consumption Function c. The Keynesian Saving Function d. Income determination in SKM e. Stability of equilibrium f. The concept of effective demand- the concept of demand-determined output.	**15**	**CO4**	**R U A1 A2 E**
		14	**CO5**	**R U**

Unit V	**Multiplier:** a. The Simple Keynesian Multiplier b. Static vs. dynamic multiplier c. The paradox of thrift d. The SKM in a Closed Economy with Government; government expenditure and tax e. The government expenditure multiplier and the tax rate multiplier f. The balanced budget multiplier g. The budget surplus h. Effects of tax changes and government purchases on budget surplus i. The full employment budget			**A1** **A2** **E**

Learning Resources:

- Ahuja, H. L. (2010). Modern Economics. S. Chand and Co. Ltd.
- Ackley, (CTB). Macroeconomic Theory and Policy, 2nd Edition.
- D'Souza, E. (2009). Macroeconomics. Pearson Education.
- Mankiw, N. Gregory. (2010). Macroeconomics, 7th Edition. Worth Publishers.
- Blanchard, Olivier. (2009). Macroeconomics, 5th Edition. Pearson Education, Inc.
- Dornbusch, R., & Fischer, S. (CTB). Macroeconomics, 4th Edition. McGraw Hill.
- Froyen, Richard T. (2005). Macroeconomics, 2nd Edition. Pearson Education Asia.
- Sikdar, S. (CTB). Principles of Macroeconomics. Oxford University Press.
- Branson, W. H. (2nd Edition). Macroeconomic Theory and Policy. All India Traveler Bookseller.
- Pal, Tapas Kr. (2018). Macroeconomics-Theory & Policy. Platinum Publisher, Kolkata.

6.5.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment*: 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. $5 \times 4 = 20$.
c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. $10 \times 2 = 20$

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Bickey Sharma Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

(College round seal in all pages)

6.6. Course Description

Course Code	23ECNMAJ102
Course Title	Mathematical Economics - II
Credits	4
Total Hours	60
Hours per Week	4
Course Type	Major
Semester	II
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a. Covers and explores the concepts of difference equations. b. Explores the concepts of differential equations. c. Covers theory of games.
Prerequisite	Students need to have had studied either mathematics or business mathematics and business economics in class 12.
Course Objectives	**The objectives of the course are to**: i. Provide the students with the concept of first order differential equations and enable them to apply the same in economics. ii. Provide the students with the concept of second order differential equations and enable them to apply the same in economics. iii. Provide the students with the understanding of first order difference equations and enable them to apply the same in economics. iv. Provide the students with the understanding of second order difference equations and enable them to apply the same in economics. v. To provide the students with the understanding of the theory of games.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Demonstrate understanding of Differential Equations and apply it in Economics.	**R**
CO2	Explain the concept of second order differentials and apply it in economics.	**U &AI**
CO3	Solve problems involving first order difference equations and apply it in economics.	**A2**
CO4	Solve problems involving second order	**E**

	difference equations and apply it in economics.			
CO5	Explain the theory of games, solve problems involving games and apply the theory of games in economics.	**R**		
Course Content				
Units	**Content**	**Lecture Hours**	**COs**	**RBT**
Unit I	**Differential Equations**: a. Definition of Differential Equations, Definition of First Order and Solution of First Order Differential Equations. b. *Applications in Economics*: Time Path of Price and Quantity in Comparative Markets, Time Path of Income in Simple Keynesian Model, Stability Model, Time Path of Inflation and Unemployment Rates, Harrod-Domar and Solow Growth Model.	**10**	**CO1**	**R U A1 A2 E**
Unit II	a. Definition of Second Order Differential Equations. b. Solution of Second Order Differential Equations and its applications in economics.	**10**	**CO2**	**R U A1 A2**
Unit III	**Difference Equations:** a. Definition of Difference Equation, Solution of Difference Equations, First Order Difference Equations. b. *Applications in Economics*: The Cobweb Model, the Dynamic Multiplier, Nature of the Time Path – A Graphical Analysis, Interpretation of the Time Path	**10**	**CO3**	**R U A1 A2 E**
Unit IV	a. Definition of Second order Difference Equation, Solution of Second order Difference Equations. b. Applications in Economics: The Multiplier Accelerator Interaction Model, Inflation and Unemployment in Discrete Case.	**10**	**CO4**	**R U A1 A2 E**
Unit V	**Theory of Games:** a. Introduction and Definition. b. Structure of Game, Pay-off Matrix, Two-Person Zero Sum Game, Non-Zero-Sum Game.	20	**CO5**	**R U A1 A2 E**

	c. The Maximin and Minimax Principle, Games with a without Saddle Points. d. Dominance Property, Pure and Mixed Strategy, Graphical Solution of (2XN) and (MX2) Games.			

Learning Resources:

- Allen, R. G. D. Mathematical Analysis for Economics. Macmillan.
- Archibald, & Lipsey. An Introduction to the Mathematical Treatment of Economics. AITBS.
- Bailey, D. Mathematics in Economics. McGraw Hill.
- Baumol, W. J. Operations Research – An Introduction. Prentice Hall.
- Chiang, A. C., & Wainwright, K. Fundamental Methods of Mathematical Economics. McGraw Hill. (CTB)
- Dorfman, R. P., Samuelson, P. A., & Solow, R. M. Linear Programming and Economics Analysis. McGraw Hill.
- Geoff, Renshaw. Maths for Economics. OUP.
- Henderson, J. M., & Quandt, R. D. Micro Economic Theory – A Mathematical Approach. McGraw Hill. (CTB)
- Hoy, M., Livernois, J., McKenna, C., Rees, R., & Stengos, T. Mathematics for Economics. Prentice Hall.
- Mukherjee, B., & Pandit, V. Mathematical Methods for Economic Analysis. Allied.
- Silberberg, E. The Structure of Economics – A Mathematical Analysis. McGraw Hill. (CTB).
- Taha, H. A. Operations Research – An Introduction. Prentice Hall.
- Yamane, T. Mathematics for Economists – An Elementary Survey. Prentice Hall.
- Sydsaeter, K., & Hammond, P. Mathematics for Economic Analysis. Pearson E. Asia, New Delhi. (CTB)

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.6.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment*: 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. $5 \times 4 = 20$.
c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. $10 \times 2 = 20$

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Phu Tshering Sherpa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:
	(Seal)	(Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

6.7. Course Description

Course Code	23ECNSEC102
Course Title	Travel and Tourism
Credits	3
Total Hours	45
Hours per Week	4
Course Type	Skill Enhancement Course
Semester	II
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Economics
Regulation	2023
Course Overview	**This course:** a. Covers introduction of tourism. b. Discusses the measurement of Tourism. c. Covers Cultural Heritages in India. d. Discusses special interest tourism. e. Discusses tourism in North Bengal
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives	**The objectives of the course are to:** a. To introduce the concept tourism to the students. b. To enable students explain the measurement of tourism. c. To enable students to discuss the cultural heritage in India. d. To provide students with the concept of special interest tourism. e. To enable students to discuss the tourism in North Benga.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Discuss tourism	R,U
CO2	Explain the concept of measurement of tourism	R,U,A1,A2
CO3	Discuss the cultural heritage of India	R,U,A1,A2,E
CO4	Explain special interest tourism	R,U,A1,A2,E
CO5	Critically analyse the tourism in North Bengal	R,U,A1,A2,E

Course Content				
Units	**Content**	**Lecture Hours**	**COs**	**RBT**
Unit I	**Definition of Tourism:** a. Definition of tourism, tourist; distinction between tourist and excursionist. b. Nature and scope of tourism management; functions of tourism management c. Historical development of tourism; Types of tourism, Forms of Tourism; Domestic tourism; International tourism; d. Tourism principle; Factors affecting the growth of tourism in India.	**8**	**C01**	**R** **U**
Unit II	**Measurement of Tourism:** a. Components of tourism, Tourism motivations, Tourism importance; b. Application of economics in tourism; c. Determinants of tourism demand and tourism supply; tourism demand forecasting and tourism supply forecasting; d. Employment and Income creation.	**10**	**C02**	**R** **U** **A1** **A2**
Unit III	**Cultural Heritage of India:** a. Archaeological sites of India, Monuments; Forts; Palaces, Historical importance building. b. UNESCO and World heritage sites in India: Religious sites in India. c. Pilgrimage tourism and its significance in tourism. Handicrafts in tourism: Fairs and festivals in India and its importance in tourism. .	**10**	**C03**	**R** **U** **A1** **A2** **E**
Unit IV	**Special Interest Tourism:** a. Tourism market; Health tourism, Ecotourism, Village tourism, Sustainable	**10**	**C04**	**R** **U** **A1** **A2**

	tourism; b. National parks; Wildlife & bird sanctuaries in India; c. Desert tourism; Mountain tourisn; Beach tourism. d. Positive and Negative Impacts of Tourism; Socio cultural impact; Economic impact; Environmental and Ethnographical Impact.			**E**
Unit V	**Tourism North Bengal:** a. Important tourism sites in W.B. Darjeeling and Dooars. b. Role of ecotourism in North Bengal	**7**	**C05**	**R** **U** **A1** **A2** **E**

Learning Resources:

- Sinha, P.C. (Ed.) Tourism Management (Vol. 4). [Include any additional information about the edition, if applicable, e.g., (2nd ed.)] CTB.
- Mill, J., & Morrison, A. Tourism Systems.
- Gartner, R. (Ed.). Tourism Development. [Include any additional information about the edition, if applicable, e.g., (3rd ed.)] CTB.
- Cooper, C., Fletcher, J., Gilbert, D., & Wanhill, S. Tourism: Principles and Practices.
- World Tourism Organization (WTO). Sustainable Tourism Development, Guide for Local Planners.
- Gupta, S.P., Lal, K., & Bhatacharya, M. Cultural Tourism in India. CTB.
- Lumsdon, L. Tourism Marketing.
- Holloway, J. C., & Robinson, C. Marketing for Tourism.
- Kotler, P. Marketing Management Analysis, Planning and Control. PHI.
- Kotler, P., & Armstrong, G. Principles of Marketing. PHI.
- Stanton, W. J. Fundamentals of Marketing. McGraw Hill.
- Bhattacharya, K. Sisir. Marketing Management. National Publishing House.

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.7.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. Summative Assessment: 50 marks

ii. i Theory paper of 50 marks, scaled down to 25 marks. (Time: 2 hours)

a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. $2 \times 5 = 10$.

b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. $5 \times 4 = 20$.

c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. 10 × 2 = 20

ii. ii. Project work of 50 marks, scaled down to 25 marks. Marks distribution as follows: a. Project report: 10 marks b. Viva-voce: 10 marks c. Department/subject specific questions: 30 marks.

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Ms. Ashiya Thapa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

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6.8. Course Description

Course Code	23ECNMN101
Course Title	Microeconomics
Credits	4
Total Hours	60
Hours per Week	4
Course Type	Minor
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	Other than Economics Major
Regulation	2023
Course Overview	This course: a. Introduces economics b. Discusses the concepts of Demand and supply c. Covers the theory of Consumers Behaviour d. Covers the theory of producers Behaviour
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives (total 5)	A student will be able to: i. Provide the students with the fundamentals of demand analysis. ii. Provide the students with the understanding of utility and consumption. iii. Enable students to understand the theory of production. iv. Enable students to understand the theory of cost.

Course Outcomes based on RBT and Cognitive Level Mapping
At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Explain the fundamentals of Demand theory.	R
CO2	Discuss the concepts of utility and consumption.	U
CO3	Discuss the theory of Production.	A1
CO4	Display the understanding of the theory of cost.	A2

Course Content

Units	Content	Lecture Hours	COs	RBT
Unit I	**Demand Analysis:** a. Definition of Demand b. Determinants of Demand, Demand Curve and Demand Function, Law of Demand. c. Measurement of Own price elasticity of Demand, Cross price	**15**		**R U**

	elasticity of Demand and Income elasticity of Demand. d. Factors determining Elasticity of Demand.			
Unit II	**Consumption and Utility:** a. Definition of Total Utility (TU) and Marginal Utility (MU), Relationship between TU and MU, b. Law of Diminishing Marginal Utility, c. Condition of Equilibrium of the Consumer. d. Indifference Curve Analysis: Definition and Characteristics of Indifference Curve (IC). e. Marginal Rate of Substitution (MRS), Budget Line, Consumer's Equilibrium, f. Price Effect, Income Effect, Substitution Effect, Consumer Surplus.	**15**	**CO2**	**R U A1 A2**
Unit III	**Theory of Production:** a. Definition of Production Function. b. Definition of Total Product (TP), Average Product (AP) and Marginal Product (MP), c. Derivation of AP and MP from TP Curve. d. Law of Variable Proportions, Producer's equilibrium, Expansion Path, Laws of Returns to Scale.	15	**CO3**	**R U A1 A2 E**
Unit IV	**Theory of cost:** a. Fixed Cost and Variable Cost, Average Cost and Marginal Cost, Shape of Cost Curves, Relation between Average Cost and Marginal Cost. b. Definitions of Total Revenue (TR), Average Revenue (AR) and Marginal Revenue (MR) and relationship among AR, MR and Price Elasticity of Demand.	15	**CO4**	**R U A1 A2 E**

Learning Resources:

- Ahuja, H.L. (2010): Modern Economics, S. Chand and Co. Ltd.
- Ferguson and Gould (2001): Microeconomic Theory, published by All India Traveller Book Seller.
- Joseph E. Stiglitz and Carl E. Walsh (2007): Economics, W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition.
- Karl E. Case and Ray C. Fair (2007): Principles of Economics, Pearson Education Inc., 8th Edition.

- Lipsey, R.G. (1963): An Introduction to positive Economics, Weidenfeld and Nicholson, London.
- N. Gregory Mankiw (2007): Economics: Principles and Applications, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition.

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.8.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment*: 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. 2 × 5 = 10.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. 5 × 4 = 20.
c. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. 10 × 2 = 20

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Bickey Sharma Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:
	(Seal)	(Seal)

External Subject Expert	External Subject Expert	Industry Expert
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

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6.9. Course Description

Course Code	23ECNMDC101
Course Title	Microfinance
Credits	3
Total Hours	45
Hours per Week	3
Course Type	MDC
Semester	I
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	The students who haven't studied economics in their higher secondary level and do not have economics as their major or minor papers.
Regulation	2023
Course Overview	**This course:** a. Provides a comprehensive understanding of microfinance as a powerful tool for economic development. It explores the concept, history, and significance of microfinance in global and Indian contexts. Examine its impact on poverty alleviation and community development. b. Delves into the diverse microfinance models implemented in India, including Self-Help Groups (SHGs), the Grameen Model, ROSCA Model, Chit Funds, Village-Based Model, Intermediary Model, Cooperative Model, and Community Banking Model. c. Focuses on the intersection of financial inclusion and microfinance. Students will explore the relevance of financial inclusion for overall development, the importance of financial literacy, and the essential components of financial counselling d. Provides an in-depth examination of prominent financial inclusion schemes in India, including Pradhan Mantri Jan Dhan Yojana (PMJDY), Atal Pension Yojana (APY), Pradhan Mantri Mudra Yojana (PMMY), Sukanya Samridhi Yojana (SSY), and Pradhan Mantri Suraksha Yojana (PMSY).
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives	**A student will be able to:** a. Understand the concept of microfinance and its role in fostering economic development.

	b. Understand the various microfinance models and their distinctive features. c. Emphasize the significance of financial inclusion in promoting economic development. d. Know the important financial inclusion schemes implemented by the Indian government.

Course Outcomes based on RBT and Cognitive Level Mapping

At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping
CO1	Understand the fundamental principles and objectives of microfinance.	R
CO2	Gain an in-depth understanding of multiple microfinance models and their operational mechanisms.	U
CO3	Identify the key components of financial literacy and their role in enhancing financial access	A1 & A2
CO4	Understand the objectives and features of major financial inclusion schemes in India.	E & C

Course Content

Units	Content	Lecture Hours	COs	RBT
Unit I	a. Microfinance as a tool for development b. Evolution of microfinance in India, c. Microfinance products and services, d. Intermediation and Regulations of Microfinance, Microfinance, and Livelihood options.	**9**	**CO1**	**R U A1 A2 E C**
Unit II	a. Microfinance models in India: SHGs, Grameen Model, ROSCA model or Chit Funds. b. Village Based Model, Intermediary Model, Co-operative Model,	**12**	**CO2**	**R U A1 A2 E C**

	Community Banking Model. c. Differences Between SHG and JLG Model. d. Indian SHG: Problems and Issues. e. SHG-Bank Linkages programmed in India			
Unit III	a. Financial inclusion and rural credit: b. Rural credit– concept, need. c. Characteristics and sources of rural credit. d. Institutional and non-institutional rural credit–money lenders, cooperatives. Regional Rural Banks, Commercial Banks, NABARD	**12**	**CO3**	**R U A1 A2 E C**
Unit IV	a. Financial Inclusion Schemes in India: Pradhan Mantri Jan Dhan Yojana (PMJDY). b. Atal Pension Yojana (APY). c. Pradhan Mantri Mudra Yojana (PMMY). d. Sukanya Samridhi Yojana (SSY). e. Pradhan Mantri Suraksha Yojana (PMSY).	**12**	**CO4**	**R U A1 A2 E C**

Learning Resources

- Bhaskaran, R. Microfinance: Perspectives and Operations. Macmillan Education.
- Bhatnagar, A. Rural Microfinance and Microenterprise: Informal Revolution. Concept Publishing Company.
- Carol Realini. Financial Inclusion at the Bottom of the Pyramid. Friesen Press.
- Chakrabarty, K. C. Financial Inclusion and Banks: Issues and Perspectives. RBI Bulletin
- Debadutta K. Panda. Understanding Microfinance. Wiley India.
- Gangadharan, K. Financial Inclusion and Inclusive Growth: Scope and Dimension. Reference Press.
- Indian Institute of Banking & Finance. Micro-Finance: Perspectives and Operations. Taxmann Publications.

- Matthaus-Maier, I., & Von Pischke, J. D. Microfinance Investment Funds: Leveraging Private Capital for Economic Growth and Poverty Reduction. Springer.

- Karmakar, K. G., Banerjee, G. D., & Mohapatra, N. P. Towards Financial Inclusion in India.

R: Remembering, U: Understanding, A1: Applying, A2: Analysing, E: Evaluating, C: Creating

6.9.1. Assessment

ii. ***Formative Assessment*:** 50 marks as per Assessment & Evaluation Framework Document of Salesian College

iii. ***Summative Assessment*:** 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. 2 × 5 = 10.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. 5 × 4 = 20.

a. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. 10 × 2 = 20

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Palzor Dukpa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:
	(Seal)	(Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Ms. Decha Kumari Signature:		

6.10. Course Description

Course Code	23ECNMDC102
Course Title	Public economics and policy analysis
Credits	3
Total Hours	45
Hours per Week	3
Course Type	MDC
Semester	II
Intended Level	Certificate
Issue(s) Addressed	
Course Offered to	The students who haven't studied economics in their higher secondary level and do not have economics as their major or minor papers.
Regulation	2023
Course Overview	**This course:** a. Introduces students to the principles of public economics and the analysis of government policies. b. Covers topics such as taxation, public spending, fiscal policies, public policy evaluation, and implementation. c. Provides students with a foundation for understanding how governments allocate resources and make policy decisions.
Prerequisite	Students should possess proficiency in the English language and effective communication skills.
Course Objectives	**A student will be able to:** a. **Understand the scope and significance of public economics in the context of economics as a whole**. b. Understand the tax system, revenue and policies. c. Know about the tax incidence, tax efficiency and resource allocation. d. Understand the public policy evaluation and implementation

Course Outcomes based on RBT and Cognitive Level Mapping

At the end of this course, a student will be able to:

COs	Statements	Cognitive Level Mapping

CO1	Define public economics and explain the role of government in market efficiency.	R
CO2	Explain the different types of taxes and policies of the governments.	U
CO3	Apply the principles of taxation and analyze their relevance in designing an efficient tax system	A1 & A2
CO4	Evaluate economic rationalism behind public spending in areas such as education, healthcare, and infrastructure and suggest a effective measures of implication.	E & C

Course Content

Units	Content	Lecture Hours	COs	RBT
Unit I	**Introduction to Public Economics** a. Overview of public economics b. Role of government in the economy c. Market failures and public goods	**9**	**CO1**	**R U A1 A2 E C**
Unit II	**Taxation, Public Revenue, and Fiscal Policies** a. Types of taxes (income, sales, property, etc.) b. Tax incidence and efficiency c. Principles of taxation d. Fiscal policy tools and objectives	**12**	**CO2**	**R U A1 A2 E C**
Unit III	**Public Spending and Resource Allocation** a. Government expenditure categories b. Budgeting and resource allocation c. Public goods provision	**12**	**CO3**	**R U A1 A2 E C**
Unit IV	**Public Policy Evaluation and Implementation** a. Policy analysis and evaluation techniques	**12**	**CO4**	**R U A1 A2**

	b. Cost-benefit analysis c. Policy implementation challenges d. Case studies of policy success and failure			**E** **C**

Learning Resources:

- Gruber, J. *Public Finance and Public Policy*.
- Stiglitz, J. E., & Rosengard, J. K. *Public Economics*
- Rosen, H. S., & Gayer, T. *Public Finance*
- Pratt, J. W., & Kulsrud, W. N. *Taxation: Policy and Practice*
- Hirsch, A. M. R. *Public Economics and the Quality of Life*
- Tresch, R. W. *Public Finance*.
- Weimer, D. L., & Vining, A. R. *Policy Analysis: Concepts and Practice*
- Clark, S. G., & Elliott, R. J. R. *The Policy Process: A Practical Guide for Natural Resources Professionals*

R: Remembering, U: Understanding, A1: Applying,A2: Analysing, E: Evaluating, C: Creating

6.10.1 Assessment

i. *Formative Assessment*: 50 marks as per Assessment & Evaluation Framework Document of Salesian College

ii. *Summative Assessment***:** 50 marks (Time: 2 hours)

Marks distribution as follows:
a. Five questions of 2 marks each, out of eight questions. Remembering and Understanding levels of RBT. 2 × 5 = 10.
b. Four questions of 5 marks each, out of six questions. Analysis, and Applying levels of RBT. 5 × 4 = 20.

a. Two questions of 10 marks each, out of four questions. Analysis, Application and Evaluation levels of RBT. 10 × 2 = 20

Course Faculty (Prepared by)	**Head of the Department** (Checked and verified by)	**Dean** (Approved by)
Mr. Palzor Dukpa Signature:	Mr. Bickey Sharma Signature:	Mr. Subhajit Paul Signature:

(Seal) (Seal)

External Subject Expert	**External Subject Expert**	**Industry Expert**
Prof Jeta Sankrityayana Signature:	Dr. Shanti Chhetry Signature:	Mr. Swaraj Kumar Banerjee Signature:
Alumni		
Signature:		