

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Bachelor of Technology				Branch/Spec.	Computer Science and Business Systems			
Semester	II				Version	1.0.0.0			
Effective from Academic Year	2026-27				Effective from the batch admitted in	July 2026			
Course Code	2PCC-CB-1103				Course Name	Fundamentals of Economics			
Course Category	Professional Core Courses (PCC)								
Teaching Scheme					Examination scheme (Marks)				
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	0	0	0	2	Theory	50	50	100
Hours	2	0	0	0	2	Practical	0	0	0
Pre-requisites:									
Not Applicable									
Course Outcomes									
COs	Description								
CO1	Understand and apply core microeconomic concepts such as demand and supply, elasticity, market equilibrium, welfare analysis, and consumer choice to explain market outcomes.								
CO2	Analyze production and cost decisions of firms and evaluate equilibrium under different market structures including perfect competition, monopoly, and monopolistic competition.								
CO3	Explain the concepts of macroeconomics, including national income GDP, GNP, NDP, and NNP and describe the roles of consumption, expenditure and investment in determining aggregate demand.								
CO4	Analyze the functioning of money, monetary and fiscal policy, business cycles, and unemployment using IS–LM analysis and classical and Keynesian macroeconomic frameworks.								
Theory Syllabus									
Unit	Content								Hours
1	Microeconomics: Principles of Demand and Supply - Supply Curves of Firms - Elasticity of Supply; Demand Curves of Households - Elasticity of Demand; Equilibrium and Comparative Statics (Shift of a Curve and Movement along the Curve); Welfare Analysis - Consumers' and Producers' Surplus - Price Ceilings and Price Floors; Consumer Behaviour - Axioms of Choice - Budget Constraints and Indifference Curves; Consumer's Equilibrium - Effects of a Price Change, Income and Substitution Effects -Derivation of a Demand Curve; Applications - Tax and Subsidies - Intertemporal Consumption - Suppliers' Income Effect; Theory of Production - Production Function and Iso-quants - Cost Minimization; Cost Curves - Total, Average and Marginal Costs - Long Run and Short Run Costs; Equilibrium of a Firm Under Perfect Competition; Monopoly and Monopolistic Competition								18
2	Macroeconomics: National Income and its Components - GNP, NNP, GDP, NDP; Consumption Function; Investment; Simple Keynesian Model of Income Determination and the Keynesian Multiplier; Government Sector - Taxes and Subsidies; External Sector - Exports and Imports; Money - Definitions; Demand								12

	for Money - Transactionary and Speculative Demand; Supply of Money - Bank's Credit Creation Multiplier; Integrating Money and Commodity Markets - IS, LM Model; Business Cycles and Stabilization - Monetary and Fiscal Policy - Central Bank and the Government; The Classical Paradigm - Price and Wage Rigidities - Voluntary and Involuntary Unemployment	
Practical and Self Learning Content		
Practical, assignments, quiz, industrial visit, field survey and tutorials are based on the above syllabus.		
Text Books		
1	Microeconomics, Pindyck, Robert S., and Daniel L. Rubinfeld.	
2	Macroeconomics, Dornbusch, Fischer and Startz.	
3	Economics, Paul Anthony Samuelson, William D. Nordhaus.	
Reference Books		
1	Intermediate Microeconomics: A Modern Approach, Hal R, Varian.	
2	Principles of Macroeconomics, N. Gregory Mankiw.	
ICT/MOOCs Reference		
1	https://onlinecourses.nptel.ac.in/noc20_ee99/preview	
2	https://onlinecourses.nptel.ac.in/noc20_ee99/preview	

Mapping of COs, POs, and PSOs														
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PSO 1	PSO 2	PSO 3
CO1	3	2	0	0	0	2	0	0	0	1	1	0	0	0
CO2	3	3	2	0	0	2	0	0	0	2	1	0	0	0
CO3	2	2	0	0	0	3	0	0	0	2	1	0	0	0
CO4	2	3	0	0	0	3	0	0	0	2	2	0	0	0

Bloom's Taxonomy Level				
Unit	Unit Title	Aligned COs	Learning Hours	BTL Level
1	Microeconomics	CO1, CO2	15	U, A, E
2	Macroeconomics	CO3, CO4	15	U, A, E

Note:

- Version 1.0.0.0 (First Digit= New syllabus/Revision in Full Syllabus, Second Digit=Revision in Teaching Scheme, Third Digit=Revision in Exam Scheme, Forth Digit= Content Revision)
- 1 Hour Lecture = 1 Credit, 1 Hour Tutorial = 1 Credit, 2 Hours Practical = 1 Credit, 2 Hours Internship/Project/Seminar = 1 Credit
- Bloom's Taxonomy Level (BTL): R: Remember, U: Understand, A: Apply, N: Analyze, E: Evaluate, and C: Create