Syllabus: ECO 361 MJP - Industrial Economics – Practical [2P]

Class: TYBA Economics

Semester: VI

Course Type: Credits Related to Major – Major Elective

Course Code: ECO 361 MJP

Course Name: Industrial Economics - Practical

No. of Credits: 02 Credits [Practical]

No. of Lectures / Practical per week – 4 Hours

No. of Hours: 60 Hours

Total Marks: 50 Marks

Preamble:

The practical course on Industrial Economics is designed to provide students with hands-on experience in applying theoretical concepts of industrial economics to real-world data and scenarios. It focuses on the analysis of industrial structure, market concentration, and firm behaviour using quantitative tools such as concentration ratios, and case studies of mergers, amalgamations, and monopoly regulation.

The course further examines spatial aspects of industry through the calculation and interpretation of the Location Quotient, application of Weber's location theory to real-world examples, and analysis of factors affecting industrial location using datasets from Indian industries. Special emphasis is placed on project-based learning, where students collect, analyse, and interpret data from sources like the Annual Survey of Industries (ASI) to evaluate industrial growth, regional disparities, and locational patterns of major industries in India, thereby bridging the gap between economic theory and empirical investigation.

Course Objectives:

1. To equip students with the skills to analyse real-world industrial data, market structures, and firm behaviour.
2. To develop proficiency in using quantitative tools and techniques for industrial location analysis and policy evaluation.

Course Outcomes (CO)

CO1: Apply theoretical concepts of industrial economics to solve case studies and understand concentration ratios to determine market structure

CO2: Conduct a data-driven project to analyse the spatial concentration, growth, and competitive dynamics of an industry, using tools like the Location Quotient and realworld datasets.

UNITS AND CONTENTS

Unit No	Unit Title and Contents	Practical
1	**1. Introduction to Industrial Economics & Data Sources**	05
	1.1 - Exploring industrial structure in India – large, medium, small and micro scale industries (using real-world examples)	
	1.2 - Working with industrial data – using ASI and RBI databases, analyzing production and employment trend in India.	
	1.3 - Merger & Amalgamation of industries, Industrial concentration; examples and reasons.	
2	**2. Industrial Location and Concentration Analysis**	05
	2.1 - Calculation of concentration index – HHI index, Concentration Ratio & Types.	
	2.2 - Weber's Theory of Location and Sargent Florence Location Theory. Calculation of Location Quotient (LQ)	
	2.3 - Factors affecting industrial location – group / case studies Factors Affecting Location – Field Survey, Mapping and analysis of Major Industries in India	
3	**3. Industrial Growth in India**	05
	3.1 – Comparing Industrial Growth of India with World, Calculation of Index of Industrial Production (IIP).	
	3.2 - Analyzing Industrial Development Trend in Maharashtra, State wise Industrial Investment and Industrial Performance in India.	
	3.3 – Analysis of Regional Imbalance of Industrial Development in Maharashtra.	
	Total Practical	**15**

***Note: (01 practical = 04 Hours)**

Note: 1. We may include Case Studies, Numerical Examples- Problems and Graphical Representations for unit 1 to 3.
2. Students should prepare the Practical Work Book.

Practical Assessment – 50 Marks, 02 Credits

Sr. No.	Assessment Type	Marks
1	**Internal Assessment** – 20 Marks - Choose any three tools	**20**
2	**External Assessment** – 30 Marks - Practical Book/Journal – - Oral - - Practical Exam -	**10** **05** **15**
Total Marks		**50**

References

1. Barthwal, R. R. (2010). Industrial economics: An introductory textbook (3rd ed.). New Age International.
2. Carlton, D. W., & Perloff, J. M. (2015). Modern industrial organization (4th ed.). Pearson.
3. Chaudhuri, M. R. (1976). Indian industries, development and location: An economicgeographic appraisal. Oxford & IBH Publishing.
4. Devine, P. J., Lee, N., Jones, R. M., & Tyson, W. J. (1985). An introduction to industrial economics (4th ed.). Routledge.
5. Gupta, S. B. (2019). Industrial economics [E-book]. SBPD Publications.
6. Kaur, P. (2018). Location of industries in India: An interstate analysis. Regal Publications.
7. McCann, P. (2013). Urban and regional economics (2nd ed.). Oxford University Press.
8. Singh, A., & Sadhu, A. N. (2019). Industrial economics (Revised ed.). Himalaya Publishing House.
9. Tirole, J. (1988). The theory of industrial organization. MIT Press.
10. Weber, A. (1929). Theory of the location of industries (C. J. Friedrich, Trans.). University of Chicago Press. (Original work published 1909)
11. Datasets: Annual Survey of Industries (ASI) Data; Reserve Bank of India (RBI) database on industries.