THIRUVALLUVAR UNIVERSITY
SERKKADU, VELLORE–632115

FIVE- YEAR INTEGRATED PROGRAMME
M.A. APPLIED ECONOMICS

SYLLABUS
(University Department)

FROM THE ACADEMIC YEAR
2024 – 2025

Regulations and Syllabi for Master of Arts in Applied Economics
(Five Years Integrated Course) Thiruvalluvar University
(A State University) Serkkadu, Vellore District,
Tamil Nadu – 632 115.
Offered from the Academic Year 2024 – 2025 under Choice Based Credit System

Preamble of the Sylabus

The aim of the course is to provide orientation to the students of Master of Arts in Applied Economics (Five Years Integrated Course) to attend and complete first class competitive examinations and get a job in the competitive labour market. Accordingly the syllabus has been framed to promote research activities in social sciences in general and economics in particular. A project work in the course would bring out the research attitude among the economics students and peruse further research leading to Ph.D.

Vision and Mission

The Vision of the Department in Latin is "Salus Populi Suprema"

i.e. the welfare of the people is the highest.

The Mission of the Department is to provide knowledge and research aptitude to the sociallyandeconomically deprived sections of the society in this area.

Regulations

1. Eligibility for Admission to the Course

A candidate who has passed the HSC/ +2/ Senior Secondary in Economics / Commerce group of State Board / Central Board/ Matriculation and ICSE System of education as approved of by the state and central government as equivalent thereto shall be permitted admission to Five Year Integrated M.A. Applied Economics Course.

2. Duration of the Course

The duration of the course shall consist of 10 semesters in five academic years.

a. Each academic year shall be divided into two semesters.
b. The odd semesters shall consist of the period from July to November and the even semesters starts from December to April. There shall be atleast 90 working days composed of 450 minimum instructional hours for each semester.

3. Courses of Study

The course of study for Five Year Integrated M.A. Applied Economics Course shall consist of Core, Elective, Compulsory papers (Human Rights) and aProject work.

4. Distribution of Credit Points and Marks

The term 'Credit' refers to the weightage given to a course, usually in relation to the instructional hours assigned to it. For instance, a six hour course per week is assigned 6/5/4 credits, a five hour course per week is assigned 5/4/3 credits and a four hour course per week is given 4/3/2 credits. However, in no instance the credits of a course can be greater than the hours allotted to it.

The Minimum Credit requirement for a to Five Year Integrated M.A. Applied Economics Course Programme shall be 235 credits. The break-up of credits for the Programme is as follows:

a) Language : 12 Credits
b) English : 12 Credits
c) Core Courses : 125 credits.
d) Elective Courses : 42 credits.
e) Compulsory Course : 04 credits.
f) Project with Viva-voce (UG) : 04 credits
g) Project with Viva-voce (PG) : 07 credits
h) Skill Enhancement Course : 15 Credits
i) Summer Internship/ Industrial Training : 4 Credits
j) Professional Competency Skill : 4 Credits
k) Extension Activites : 1 Credits
l) EVS/Human Rights : 2+2 = 4Credits

(Three credits for Project and one credit for Viva)

5. Continuous Internal Assessment Test

The following assessment procedure will be followed for awarding the internalmarks inthe evaluation of the student's performances. The best 2 CIA test marks out of 3 CIA tests marks , will be taken for awarding the internal marks.

a) CIA Test Marks : 15 marks.
b) Seminar : 5 marks.
c) Assignment
: 5 marks Total
: 25 marks

6. Requirement To take the Examination

A candidate will be permitted to take the examination for any semester, if he/she earns atleast 75% of attendance out of the 90 working days/ 450 instructional hours. A candidate who has earns attendance less than 75% but more than 65%, shall be permitted to take the examination on the recommendation of the Head of the Department to condone the lack of attendance on the payment of the prescribed condonation fee to the University.

7. Scheme of examination

(a). Any theory examination is conducted only for 3 hours irrespective of total marksallotted for the examinations.

(b). There shall be theory examinations at the end of each semester, for odd semesters in the month of October / November; for even semesters in April / May. However, thereshall be practical examinations at the end of even semesters in general, with exceptions ina few courses as prescribed by the Boards of studies, concerned. A candidate who does not pass the examination in any course(s) shall be permitted to appear in such failed course(s) in the subsequent examinations to be held in October / November or April / May.

(c). All candidates admitted in first year, should get registered for the first semester examination, compulsorily. If registration is not possible owing to any reason including shortage of attendance beyond condonation limit, belated joining or on medical

grounds, the candidates are permitted to rejoin the course in the next year.

(d). In case of project work there will be a Viva-Voce Examination: Each candidate shall be required to appear for Viva-Voce Examination those who have submitted project.

(e). For the Project Report, the maximum marks will be 75 per cent for project and for theViva- Voce it is 25 per cent (If in some programmes, if the project is equivalent to more than one course, the project marks would be in proportion to the number of equivalent courses).

(f). The results of all the examinations will be published through the department where the student underwent the course as well as through University Website. In the case of private candidates, the result will be published through the University Website.

(g). Then scheme of examination is given in the annexure.

8. Restrictions to Appear for the Examinations

Any candidate having arrear paper(s) shall have the option to appear in any arrear paper alongwith the regular semester papers, in theory as well as in practicals wherever applicable.

9. Guidelines for the Project work with Viva-Voce exam (Compulsory)

(i)   The topic and the supervisor of the project report shall be assigned to the candidate at the beginning of the third semester itself and a copy of the same shall be communicated to the University for approval.

(ii)   The students shall prepare four copies of the project and submit the same to the Department for the evaluation by examiners within the last date prescribed by the University. After the evaluation, one copy is to be retained in the University Library, one in the Department Library, one copy shall be given to guide and the fourth one shall be given to the student.

(iii)   Format for the preparation of project work:
   a) Title Page
   b) Bonafide Certificate
   c) Declaration of the student
   d) Acknowledgement
   e) Contents.

CONTENTS

Chapter No.	Title	Page No.
I	Introduction	
II	Review of Literature	
III	Profile of the Study Area	
IV	Analysis and Interpretation of the data	
V	Summary, Findings, Conclusion and Suggestions	
VI	Bibliography	

VII	Appendix	

10. Guidelines for Evaluation of the Project with Viva-Voce.

(i)   The project work should be evaluated for 75 marks by an external and internal examiners and   the Viva-voce should   be   conducted for   25 marks   by the external examiner and the internal guide concerned.

(ii)   The project report may consist of 50 to 75 pages.

(iii)   The candidate has to submit the project report   30 days   before the commencement of the IV Semester examinations to the department.

(iv)   A candidate should secure minimum 50% of marks in project work and Viva-Voce examination.

(v)   A candidate who reappears in the project, may resubmit the project (on the same topic) with necessary modification / correction / improvements in the subsequent semester examination for evaluation.

11. Question Paper Pattern

The question paper pattern for the university theory examinations is as follows:

Time: Three Hours   **Maximum**

Marks: 75

Part – A (10 × 2 = 20 marks)

Answer   ALL   Questions(Two Questions from each unit)

Part – B (5 × 5 = 25 marks)

Answer   ALL   Questions

(Two   Questions   from each unit with internal Choice as 'either', 'or')

Part – C (3 × 10 = 30 marks)

Answer any Three Questions   out of   Five

Questions(One   Question   from each unit)

12. Passing Minimum

A candidate, who has secured a minimum of 50% marks in all the courses prescribed in the programme and earned a minimum of 90 credits, will   be   considered   to   have passed the Master's programme. There shall be no passing   minimum for internal assessment.

13. Grading

Once the marks of the CIA and end-semester examinations for each of the course are available, they shall be added. The mark thus obtained shall then be converted in to the relevant letter grade, grade point as per the details given below:

Conversion of Marks to Grade Points and Letter Grade (Performance in a Course/Paper)

RANGE OF MARKS	GRADE POINTS	LETTER GRADE	DESCRIPTION
90-100	9.0-10.0	O	Outstanding
80-89	8.0-8.9	D+	Distinction
75-79	7.5-7.9	D	

70-74	7.0-7.4	A+	First Class
60-69	6.0-6.9	A	
50-59	5.0-5.9	B	Second Class
00-49	0.0	U	Re-appear
Absent	0.0	AAA	ABSENT

C_i = Credits earned for course i in any semester.

G_i = Grade Point obtained for course i in any semester.

n = refers to the semester in which such course were credited.

Grade point average (for a Semester):

Calculation of grade point average semester-wise and part-wise is as follows:

$$\text{GRADE POINT AVERAGE [GPA]} = \Sigma i C_i G_i / \Sigma i C_i$$

under each part GPA = $\dfrac{\textbf{Sum of the multiplication of grade points by the credits of the courses offered}}{\textbf{Sum of the credits of the courses under each part in a semester}}$

Calculation of Grade Point Average (CGPA) (for the entire programme):

A candidate who has passed all the examinations prescribed is eligible for the following partwise computed final grades based on the range of CGPA.

CUMULATIVE GRADE POINT AVERAGE [CGPA] = $\Sigma n \Sigma i C_{ni} G_{ni} / \Sigma n \Sigma i C_{ni}$

under each part CGPA = $\dfrac{\textbf{Sum of the multiplication of grade points by the credits of the entire programme}}{\textbf{Sum of the credits of the courses of the entire programme under each part}}$

CGPA	GRADE
9.0 and above but below 10.0	O
8.0 and above but below 9.0	D+
7.5 and above but below 8.0	D
6.5 and above but below 7.5	A+
6.0 and above but below 6.5	A
5.0 and above but below 6.0	B
0.0 and above but below 5.0	U

14. Improvement of Marks in the subjects already passed

Candidates desirous of improving the marks awarded in a passed subject in their first attempt shall reappear once within a period of subsequent two semesters by paying the fee prescribed from time to time. The improved marks shall be considered for classification but not for ranking. When there is no improvement, there shall not be any change in the original marks already awarded. If candidate improves his marks, then his improved marks will be taken into consideration for the award of Classification only. Such improved

marks will not be counted for the award of Prizes / Medals, Rank and Distinction. If the Candidate does not show improvement in the marks, his previous marks will be taken into consideration. No candidate will be allowed to improve marks in the Practical, Project work, Viva-Voce and Field work.

15. Revision of Regulations and Curriculum

The Regulation, Scheme of Examinations and the syllabus will be in vogue from academic years 2023-24 to 2027-28, that is, for a period of five years. The University may revise/amend/change the Regulations, Scheme of Examinations and the syllabus as and when deemed necessary.

Nature of the Programme

This Post Graduate Programme is designed with an optimal combination of pure andappliedcourses in Economics which is offered as M. A., Degree Programme by theDepartment of Economics, Thiruvalluvar University, Serkkadu, Vellore district Tamil Nadu.

Students Intake

Number of students to be admitted for five years integrated M.A., Applied EconomicsProgramme is 40.

Curriculum Design (Allocation of Courses, Credits and Marks)

The five years integrated M.A., Applied Economics Programme shall consist of five academic years with ten semesters. This Programme is offered under CBCS pattern and it consists of Language Courses, Core Courses, Allied Courses, Core Elective Courses, Open Elective Courses and Value Added Courses.

Programme: M. A., Applied Economics Five Year Integrated course with effect from

2023 -24Programme Objectives: (5 Points Compulsory)

The curriculum is made to help students learn and develop the skills they need in a number ofeconomics-related areas. The specific objectives are,

- ❖ **To comprehend the theories and principles behind the various fields of economics.**
- ❖ **To put an emphasis on different aspects of the economy in both theory and practice withthe goal of boosting confidence and acquiring the skills needed to handle problems and challenges in the field of economics.**
- ❖ **To outline the domestic and global economic scenarios.**
- ❖ **To become acquainted with the underlying problems and issues in the economy.**
- ❖ **To prepare for competitive exams such as the SET, UPSC, TNPSC, UGC-NET, JRF, CSIR,and Indian Economic Services.**

Programme Educational Objectives: (5 Points Compulsory)

- ❖ **To investigate and research academic knowledge by determining the consequences ofEconomics subject matter.**

- ❖ **To perceive societies and environments while exercising rational reflection and takingthe right measures.**
- ❖ **To express well and acquire the soft skills required for working in a variety ofsocioeconomic scenarios.**
- ❖ **To Acknowledge and demonstrate a rational understanding of the moral implications ofeconomic theories.**
- ❖ **To take part in lifelong learning and adjust to shifting societal and professionaleconomic needs.**

Programme Specific Outcomes: (10 Points Compulsory)

- ❖ **Using theoretical and conceptual knowledge in the field of economics.**
- ❖ **Addressing difficult economic problems while taking into account their societal, legal,and cultural implications.**

- ❖ **Understanding and assessing economic issues in view of societal needs.**
- ❖ **Developing a roadmap for various economic efforts in this area.**
- ❖ **Employ numerous economic theories to existing research areas while understandingthem.**
- ❖ **Recognize and accept the various issues that the subject of economics raises.**
- ❖ **Display conceptual and existing concepts in specialized areas of Economics.**
- ❖ **Assess and evaluate traditional and cutting-edge fields of Economics.**

- ❖ **Encourage students to think critically and to accept on responsibility to society.**
- ❖ **Explore jobs in business and other spheres of the**

economy.**Programme Outcomes: (10 Points
Compulsory)**
- ❖ **Enhancing one's knowledge of the field of economics and adapting its concepts to thedemands of society.**
- ❖ **Developing analytical capabilities in the study of economics.**
- ❖ **Being aware of activities related to nation-building, community living, and professionalethics.**
- ❖ **Identifying complex economic issues and offering solutions.**
- ❖ **Economic occasion prognostication and formulation**
- ❖ **Finding the appropriate development strategies**
- ❖ **Working to develop skilled workers to guide the economy.**
- ❖ **Create scholarly articles about the difficulties and problems of applied economicresearch on the national and worldwide levels.**
- ❖ **Utilize quantitative and quantitative techniques when doing objective analysis.**
- ❖ **Use tools like SPSS, STATA, Eviews, MS EXCEL, etc. to analyze and comprehend datain order to advance applied economic research.**

Note: **1. Programme Objectives**
- ❖ Total papers, teaching, learning and evaluation comes under programme. Aimof thestudy including theoretical, practical courses.

   2. Programme Educational Objectives
- ❖ Program educational objectives are broad statements that describe the career andprofessional accomplishments that the program is preparing graduates to achieve.

   3. Programme Specific Outcomes

❖ Program specific outcomes are statements that describe what the Post Graduates of aspecific Science Programme should be able to do.

4. Programme Outcomes
❖ Programme outcomes describe what students are expected to know and would be above to do by the time of Post-Graduation. These relate to the skills, knowledge, and behaviours that students acquire as they progress through the program.

5. Course Objectives

❖ Aim of the paper including unit wise contents.

6. Course Outcomes
❖ Statements indicating what a student can do after the successful completion of a course. Every course leads to some course outcomes. The Course Outcomes statements are defined by considering the course content covered in eachmodule of a course. For every course there may be 4 or 5 course outcomes. The keywords used to define course outcomes are based on Bloom's Taxonomy.

For question paper setting

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QUESTION PAPER SETTING CHECK LIST

Q. No.	COs	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
PART – A (Two questions from each category except vi. Creating)							
1.	CO$_1$						Nil
2.	CO$_1$						Nil
3.	CO$_2$						Nil
4.	CO$_2$						Nil
5.	CO$_3$						Nil
6.	CO$_3$						Nil
7.	CO$_4$						Nil
8.	CO$_4$						Nil
9.	CO$_5$						Nil
10.	CO$_5$						Nil
PART – B (At the least one question from each category not more than two questions from one category)							
11. A.	CO$_1$						
11. B.	CO$_1$						
12. A.	CO$_2$						
12. B.	CO$_2$						
13. A.	CO$_3$						
13. B.	CO$_3$						
14. A.	CO$_4$						
14. B.	CO$_4$						
15. A.	CO$_5$						
15. B.	CO$_5$						
PART – C (One question from each category except i. Remembering)							
16.	CO$_1$	Nil					
17.	CO$_2$	Nil					

18.	CO$_3$	Nil					
19.	CO$_4$	Nil					
20.	CO$_5$	Nil					
Total Marks *							

* Not exceeding 24 total marks in each category of (ii), (iii), (iv) and (v). Not exceeding 14 marks in category

(i) and 20 marks in category (vi)

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Revised Bloom - Anderson 2000 Taxonomy: Code and Verbal Content

Definitions	i. Remembering	ii. Understanding	iii. Applying	iv. Analyzing	v. Evaluating	vi. Creating
Bloom's Definition	Exhibit memory of learned material by recalling facts, terms, basic, concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving, descriptions, and stating main ideas	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions

Verbs	1.1: Choose	2.1 Classify		4.1. Analyse		
	1.2:Define	2.2 Compare				
	1.3 Find	2.3 Contrast				
	1.4 How	2.4 Demonstrate				
	1.5 Label	2.5 Explain				
	1.6 List	2.6 Extend				
	1.7 Match	2.7 Illustrate				
	1.8 Name	2.8 Infer				
	1.9 Omit	2.9 Interpret				
	1.10 Recall	2.10 Outline				
	1.11 Relate	2.11 Relate				
	1.12 Select	2.12 Rephrase				
	1.13 Show	2.13 Show				
	1.14 Spell	2.14 Summarize				
	1.15 Tell	2.15 Translate				
	1.16 What					
	1.17 When					
	1.18 Where					
	1.19 Which					
	1.20 Who					
	1.21 Why					

Technical Terms – Definition

Part	Subject	Papers	Credits	Total Credits	Marks	Total Marks
Part I	Languages	4	4	16	100	400
Part II	English	4	4	16	100	400
Part III	Allied (Odd Semester)	2	3	6	100	200
	Allied (Even Semester)	2	5	10	100	200
	Electives	3	3	9	100	300
	Core	15	(3-5)	54	100	1500
	Professional English	2	3	6	100	200
	Compulsory Project (Group/Individual Project)	1	5	5	100	100
Part IV	Environmental Science	1	2	2	100	100
	Soft skill	1	1	1	100	100
	Value Education	1	2	2	100	100
	Lang. & Others /NME	2	2	4	100	200
	Skill Based	4	2	8	100	400
Part V	Extension Activities	1	1	1	100	100
	Total	**43**		**140**		**4300**

(I) PROGRAMME OBJECTIVES

❖ **PO 1:** To inculcate economic thought process in the young minds.

❖ **PO 2:** To enable them to understand micro and macroeconomic events.

❖ **PO 3**: To see the real-life time issues through the mirror of economic prism.

❖ **PO 4**: Understanding economics for their own standing up in life.

❖ **PO 5**: To develop their human relations skills through the knowledge of economics, as economics is ahumanbehavioural science.

(II) PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

❖ **PEO 1:** Impart in-depth knowledge of Economics to the students and make them comprehend itsrelevancein day-to-day life.

❖ **PEO 2:** Explain Economic theories and highlight its correlation with human behavioural science.

❖ **PEO 3**: To understand core economic principles and their application to a wide range of real-worldissues.

❖ **PEO 4:** To master the theoretical and applied tools required to both understand and analyseeconomicresearch at a global level.

❖ **PEO 5:** To learn how to bring out pragmatic, principles-based policies aiming to enhanceeconomic well-being and promote social justice.

(III) PROGRAMME SPECIFIC OUTCOMES

❖ **PSO-1**: Understand the basic concepts and theories in Micro Economics, Macro Economics, InternationalEconomics, Public Economics, Agricultural Economics, Economic System and Demography.

❖ **PSO-2**: Grasp the application of Mathematical and Statistical methods in Economics.

❖ **PSO-3**: Build up their capacity in undertaking Socio-economic surveys and project.

❖ **PSO-4:** Contribute in solving economic problems faced by them and the society.

❖ **PSO-5:** Assess the impact of green revolution and Industrial revolution and foreign capital on IndianEconomy.

❖ **PSO-6:** Get job opportunities in government department and private institutions in India and all over theworld.

❖ **PSO-7:** Empowering with the knowledge in economic systems for meeting their real-life challenges.

❖ **PSO-8:** To take decisions on investing, saving, insuring at an appropriate time.

❖ **PSO-9:** Enriching the economic knowledge along with the sweet mixing of computer, history, accountingskills.

❖ **PSO-10:**Create awareness about economics and ecology and environment.

PROGRAMME OUTCOMES (PO) FOR UNDER GRADUATE DEGREE IN ECONOMICS

❖ **PO1:** A sound understanding of the science of Economics and its application through the aid ofMathematics, Statistic, Accounting and Computer Application.

❖ **PO2:** Application of economic theories in handling real-life situations.

❖ **PO3:** Students equipped with the knowledge and skills required to fit into Industrial, Agricultural andService sectors, which will make them industry ready and employable immediately after graduation.

❖ **PO 4**: Gaining broad idea of Macro Economic policies being adopted in the Indian economy

❖ **PO 5:** Students reaped the advantage of a comprehensive curriculum including Economics along with Mathematics, Accountancy, History and Statistics will motivate graduates to apply for Indian EconomicService examination.

❖ **PO 6:** The ability to collect process and interpret data including statistical inferences and createhypotheses and sets of economic variables.

❖ **PO 7:** Creation of knowledge to evaluate the solutions available for complex economic issues and trainthemin problem solving.

❖ **PO 8:** An awareness of institutions and institutional forces that shape the Indian Economy like RBI andPlanning Commission.

❖ **PO 9:**An awareness of international institutions and institutional forces like IMF & WTO that impactsthe Indian Economy.

❖ **PO 10:**Enlightening ethics of inland and international trade.

1. Course of Study:

The course of study for Master's Degree Course in Applied Economics shall consist of Core subjects , Core elective subjects ,Core practical's, Allied subjects Allied Practical's, Open elective subjects, Skill based subjects, Soft skill subjects, Compulsory subject (Human Rights), Field Project, MOOC online course and a Core Project in Sixth semester and X Semeste

S. No.	Part	Study Components	Ins. Hrs. / Week	Credit	Title of the Paper	Maximum Marks		
		Course Title				CIA	Uni. Exam	Total
		Semester - I						
1.	I	Language	6	3	Tamil / Other Languages - I	25	75	100
2.	II	English	6	3	Communicative English - I	25	75	100
3.	1.3	Core Course - CC I	6	5	Micro Economics - I	25	75	100
4.	1.4	Core Course - CC II	5	5	Statistics for Economics - I	25	75	100
5.	1.5	Elective - I Generic/ Discipline specific	5	3	1.Fundamentals of Management (or) 2. Introduction to Sociology	25	75	100
6.	1.6	Skill Enhancement Course (SEC- 1) (NME)	2	2	Demography	25	75	100
7.	1.7	Skill Enhancement (Foundation Course)	2	2	Business Communication	25	75	100
		Semester Total	**32**	**23**		**175**	**525**	**700**
		Semester - II						
9.	I	Language	6	3	Tamil / Other Languages - II	25	75	100
10.	II	English	4	3	Communicative English - II	25	75	100
11.	2.3	Core Course - CC III	5	5	Micro Economics - II	25	75	100
12.	2.4	Core Course - CC IV	5	5	Statistics for Economics - II	25	75	100
13.	2.5	Elective - II Generic/ Discipline specific	6	3	1. History of Economic Thought(or) 2. Introduction to E -Commerce	25	75	100
14.	2.6	Skill Enhancement Course (SEC- 2) (NME)	2	2	Economics for Investors	25	75	100
15.	2.7	Skill Enhancement Course (SEC - 3) (NME)	2	2	Computer Application in Economics	25	75	100
		Semester Total	**30**	**23**		**175**	**525**	**700**
		Semester - III						
16.	I	Language	6	3	Tamil / Other Languages - III	25	75	100
17.	II	English	6	3	English - III	25	75	100
18.	3.3	Core Course - CC V	5	5	Macroeconomics-I	25	75	100
19.	3.4	Core Course - CC VI	5	5	Mathematics for Economics	25	75	100
20.	3.5	Elective – III Generic/Discipline Specific	5	3	1. Principles of Marketing (or) 2.Economics of Tourism	25	75	100
21.	3.6	Skill Enhancement Course SEC - 4 (Entrepreneurial skill)	1	1	Entrepreneurial Economics	25	75	100
22.	3.7	Skill Enhancement Course SEC – 5	2	2	Event Management (Entrepreneurial Skills)	25	75	100
23.	3.8	E. V. S	2	2	----------	25	75	100
		Semester Total	**32**	**24**		**200**	**600**	**800**
		Semester - IV						

S.No.	Part	Study Components	Ins. Hrs. / Week	Credit	Title of the Paper	CIA	Uni. Exam	Total
24.	I	Language	6	3	Tamil / Other Languages - IV	25	75	100
25.	II	English	6	3	English - IV	25	75	100
26.	4.3	Core Course - CC VII	5	5	Macroeconomics-II	25	75	100
27.	4.4	Core Course - CC VIII	5	5	Indian Economy	25	75	100
28.	4.5	Elective – IV Generic/DisciplineSpecific	6	3	1.Research Methods in Economics(or) 2. Health Economics	25	75	100
29.	4.6	Skill Enhancement Course SEC – 6	2	2	BasicAccountancy	25	75	100
30.	4.7	Skill Enhancement Course SEC – 7	2	2	Modern Banking and Insurance	25	75	100
		Semester Total	**32**	**23**		**175**	**525**	**700**
					Semester - V			
31.	5.1	Core Course - CC IX	5	4	Monetary Economics	25	75	100
32.	5.2	Core Course- CC X	5	4	Fiscal Economics	25	75	100
33.	5.3	Core Course -CC XI	5	4	Industrial Economics	25	75	100
34.	5.4	Core Course/Project with viva-voce - CC XII	5	4	1. Environmental Economics(or) 2. Project (Individual)	25	75	100
35.	5.5	Elective – V Generic/Discipline Specific	4	3	1. Tamil Nadu Economy (or) 2. Managerial Economics	25	75	100
36.	5.6	Elective – VI Generic/Discipline Specific	4	3	1. Operations Research(or) 2. Gender Economics	25	75	100
37.	5.7	Value Education	2	2	Value Education	25	75	100
38.	5.8	Summer Internship/Industrial Training	-	2	Internship	--	--	100
		Semester Total	**30**	**26**		**175**	**525**	**800**
					Semester – VI			
39.	6.1	Core Course - CC XIII	6	4	International Economics	25	75	100
40.	6.2	Core Course - CC XIV	6	4	Development Economics	25	75	100
41.	6.3	Core Course - CC XV	6	4	Agricultural Economics	25	75	100
42.	6.4	Elective – VII Generic/Discipline Specific	5	3	1. Basic Econometrics(or) 2.Behavioural Economics	25	75	100
43	6.5	Elective – VIII Generic/Discipline Specific	5	3	1.Financial Markets and Institutions(or) 2.Urban Economics	25	75	100
44.	6.6	Extension Activity	-	1	------	--	--	100
45.	6.7	Professional Competency Skill	2	2	General Studies for Competitive Examinations	25	75	100
		Semester Total	**30**	**21**		**150**	**450**	**700**
		Grand Total	**178**	**139**		**1050**	**3150**	**4400**

Semester – VII

S. No.	Part	Study Components	Ins. Hrs. / Week	Credit	Title of the Paper	Maximum Marks		
		Course Title				CIA	Uni. Exam	Total
46.	7.1	Core Course - CC PG I	7	5	Advanced Micro Economics	25	75	100
47.	7.2	Core Course - CC PG II	7	5	Indian Economic Development and Policy	25	75	100
48.	7.3	Core Course - CC PG III	6	4	Statistics for Economists	25	75	100
49.	7.4	Elective PG – I Discipline Centric	5	3	1.Modern Economic Thought (or) 2.Rural Economics	25	75	100

50.	7.5	Elective PG – II Discipline Generic	5	3	1. 1.Regional Economics (or) 2. Welfare Economics	25	75	100
		Semester Total	**30**	**20**		**125**	**375**	**500**
				Semester – VIII				
51.	8.1	Core Course - CC PG IV	6	5	Monetary Economics	25	75	100
52.	8.2	Core Course - CC PG V	6	5	Labour Economics	25	75	100
53.	8.3	Core Course - CC PG VI	6	4	Mathematical Economics	25	75	100
54.	8.4	Elective PG – III Discipline Centric	3	3	1. Gender Economics (or) 2. Urban Economics	25	75	100
55.	8.5	Elective – PG - IV Generic	3	3	1. Resource Economics (or) 2. Economics of Climate Change	25	75	100
56.	8.6	Skill Enhancement – PG -I	4	2	Social Ethics and Responsibilities – Women Empowerment, Disability, Social Inclusion.	25	75	100
57.	8.7	Human Rights	2	2	--------	25	75	100
58.	8.8	MOOC Course	---	2	-------			
		Semester Total	**30**	**26**		**175**	**525**	**700**
				Semester – IX				
59.	9.1	Core Course - CC PG VII	6	5	Advanced Macro Economics	25	75	100
60.	9.2	Core Course CC PG VIII	6	5	Public Economics	25	75	100
61.	9.3	Core Course CC PG IX	6	5	Research Methodology	25	75	100
62.	9.4	Core Course CC PG X	6	4	Econometric Methods	25	75	100
63.	9.5	Elective PG – V Discipline Centric	3	3	1.Economics in Everyday Life (or) 2.Entrepreneurial Development	25	75	100
64.	9.6	Skill Enhancement – PG -II	3	2	Personality Development -Facing of Interview in Private and Government Jobs	25	75	100
65.	9.7	Internship / Industrial Activity	---	2	Skill Enhancement in Companies and Institutions	25	75	100

		Semester Total	30	26		175	525	700
					Semester – X			
66.	10.1	Core Course CC PG XI	6	5	International Economics	25	75	100
67.	10.2	Core Course CC PG XII	6	5	Development Economics	25	75	100
68.	10.3	Project with Viva – Vove	10	7	--------	25	75	100
69.	10.4	Elective PG – VI	4	3	1.Economics of Social Issues (or) 2. Human Resource Development	25	75	100
70.	10.5	Skill Enhancement Course / Professional Competency Skill	4	2	Role of MSMEs - Practice of Public and Private Companies and Banking Systems / Skill Development of Tally (Learning of Tally for Employability) / Competitive Examinations (UPSC/TNPSC) (IBPS)	25	75	100
71.	10.6	Extension activity	-	1	--	--	--	100
		Semester Total	**30**	**23**		**125**	**375**	**600**
		UG Total (1-6 Semester)	**186**	**140**		**1050**	**3150**	**4400**
		PG Total (7-10 Semester)	**120**	**95**		**600**	**1800**	**2500**
		Grand UG + PG Total	**306**	**235**		**1650**	**4950**	**6900**

Balance Sheet

Part	Subject	Papers	Credit	Total Credits	Marks	Total Marks
Part I	Languages	4	3	12	100	400
Part II	Communicative English	4	3	12	100	400
6Part III	Core	15+12=27	5	125	100	2700
Part III	Elective	8+6=14	3	42	100	1400
Part IV	SEC	7	2	15	100	700
Part IV	E.V.S	1	2	2	100	200
Part IV	Value Education	1	2	2	100	100
Part IV	Human Rights	1	2	2	100	100
Part IV	Project with Viva voce UG	1	4	4	100	100
Part IV	Project with Viva voce PG	1	7	7	100	100
Part IV	Extension Activity	1	1	1	100	100
Part IV	Professional Competitive Skill (UG - 1 + PG -1)	1+1	2+2	4	100	200
Part IV	Internship (UG - 1 + PG -1)	1+1	2+2	4	100	200
Part IV	MOOC On line COURSE	1	2	2	100	100
Part IV	Skill Enhancement (Foundation Course)	1	2	2	100	100
	Total	**71**		**234**		**6900**

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MICROECONOMICS-I	Core -I					4	5	25	75	100

	Learning Objectives
C1	To Equip the economic behaviours of individual units of the society.
C2	To describes the consumer behaviour and utility analysis
C3	To impart knowledge on demand and supply concepts
C4	To identify the relevance of Production and returns to scale of Production
C5	To know the costs and profit maximisation

UNIT	Contents	No. of Hours
I	**Basic Concepts** Definitions of Economics– Nature and Scope of Microeconomics –Positive and Normative Approaches- Inductive and Deductive Approaches - Consumers and Firms –Decision Making–Rationality: Self-Interest – Trade-offs –Fundamental Economic Problems -Market Mechanism and Resource Allocation.	15
II	**Utility Analysis** Utility–Ordinal and Cardinal Utility–Total and Marginal Utility – Law of Diminishing Marginal Utility - Law of Equi-Marginal Utility- Indifference Curves–Properties– Marginal Rate of Substitution- Budget Line – Price and Substitution Effects-Optimal Consumer Choice – Revealed Preference Theory – Samuelson and Hicks' Approach	18
III	**Demand and Supply Analysis** Demand – Types of Goods -Law of Demand – Determinants – Exceptions – Giffen Paradox – Veblen Effect- Elasticity of Demand: Types - Engel's Law -Supply – Law of Supply –Determinants –Elasticity of Supply and its Types- Market Equilibrium - Consumer Surplus and Producer Surplus	15
IV	**Production Analysis** Production Function– Law of Variable Proportions- Laws of Returns to Scale-Iso-quant's-Types of Production Function – Cobb -Douglas and Constant Elasticity of Substitution(CES) Production Function –Economies and Diseconomies of Scale	15
V	**Cost and Revenue Concepts** Costs – Fixed and Variable Costs - Average, Marginal, and Total Costs – Short Run and Long Run Costs – Implicit, Explicit, Sunk and Imputed Cost – Revenue – Total, Average and Marginal Revenue –Relationship between AR, MR and Elasticity of Demand- Profit Maximization Rule.	12
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the meaning of basic concepts and the need for the study of Microeconomics.	PO1,PO2
2.	Evaluate the Types of Utility and Consumer Behaviour.	PO2,PO3
3.	Acquire knowledge on various market equilibrium, Demand and Supply Functions	PO1,PO2
4.	To understand the meaning of Production Functions	PO1
5.	To understand the theory of firms, Cost and Revenue	PO1

		Textbooks
1.	Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics, Macmillan	
2.	Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi)	
3.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.	
4.	Ahuja H.L (2016) Principles of Microeconomics, S.Chand	
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services.	

		Reference Books
1.	Koutsoyiannis (2003), Modern Microeconomics Palgrave Macmillan (UK) 2nd Edition.	
2.	Gregory Mankiw (2012), Principlesof Microeconomics Cengage India.	
3.	Dwivedi, D.N(2002), Microeconomics: Theory and Applications, 2nd ed., Pearson	
4.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)	
5.	Karl E.Case and Ray C Fair (2007), Principles of Economics, Pearson Prentice Hall Inc Singapore South Asia	

		Web Resources
1.	http://www.econlib.org/library/enc/microeconomics.html	
2.	https://www.tutor2u.net/economics	
3.	https://www.economicsnetwork.ac.uk/	
4.	https://www.cliffsnotes.com/study-guides/economics/introduction/microeconomics	
5.	http://neconomides.stern.nyu.edu/networks/micnotes/micnotes.pdf	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	2	2	2	3	2	3
Weightage	14	14	14	14	13	15	13	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.6	3.00	2.6	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	2	2	2
CO3	3	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	2	2
Weightage	15	15	14	11	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.2	2.2

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
	STATISTICS FOR ECONOMICS –I	Core-II					4	5	25	75	100

	Learning Objectives
C1	To know the nature and scope of statistics and its applications
C2	To teach students Collection, Classification, Analyzing and Presentation of data.
C3	To apply the measures of central tendency
C4	To draw measurement of dispersion and its applications
C5	To analyse correlation and regression and its applications

UNIT	Contents	No. of Hours
I	**Introduction and Collection of Data** Introduction – Nature and Scope of Statistics – Uses and Limitations of Statistics – Data Collection – Primary and Secondary Data –Tools for collecting Primary Data – Requisites of Good Questionnaire – Sources of Secondary Data.	15
II	**Classification and Presentation of Data** Classification and Tabulation of Data– Types - Frequency Distribution —— Cumulative Frequency Distribution- Class Interval – Diagrams – Types- Graphical Representation– Histogram – Frequency Polygon - Ogive Curve - Lorenz Curve.	15
III	**Measures of Central Tendency** Measures of Central Tendency- Requisites of a Good Average – Arithmetic Mean, Median, and Mode – Relative Merits and Demerits.	15
IV	**Measures of Dispersion** Absolute and Relative Measures of Dispersion – Range – Quartile Deviation – Mean Deviation – Standard Deviation – Variance - Coefficient of Variation –-Skewness and Kurtosis.	15
V	**Correlation and Regression** Correlation – Types of Correlation – Methods -Karl Pearson's Co-efficient of Correlation –- Spearman's Rank Correlation – Regression Equations – Distinction between Correlation and Regression Analysis.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of statistics and basic knowledge of statistical tools.	PO1, PO3,PO8
2	Differentiate Types of Data and its Classification	PO1,PO2, PO3,PO8
3	Explain the concept of Averages and its application	PO1, PO2,PO3
4	Know the concept of Dispersion and its application	PO1, PO2,PO3
5	Calculate Correlation and estimate values using Regression	PO3,PO7,PO8

	Textbooks
1	Gupta. S.P (2005) Statistical Methods, Sultan Chand and Sons, New Delhi.
2	Sancheti. D.C and Kapoor V.K(2005) Statistical Theory Method and Application, Sultan Chand and Sons, New Delhi.
3	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.
4	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.
5	Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002)

Reference Books

1.	Saxena H.C , (2016) Elementary Statistics, S Chand and Company New Delhi.
2.	Elhance D.N, (2004), Fundamentals of Statistics Kitab Mahal, New Delhi
3.	Manoharan M (2010), "Statistical Methods", Palani Paramount Publications, Palani.
4.	R.S.N.Pillai and V. Bagavathi(2010), Statistics, Sultan Chand and Sons, New Delhi
5.	Dr.S.Sachdeva (2014) Statistics -Lakshmi Narain Agarwal.

Web Resources

1.	https://www.cuemath.com/data/statistics/
2.	https://stattrek.com/statistics/resources
3.	https://testbook.com/learn/maths-mean-median-mode/
4.	https://www.statistics.com/
5.	https://thisisstatistics.org/students/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	3	3	3
Weightage	15	14	14	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	2.8	2.8	2.8	2.8	3.00	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	Fundamentals of Management	Generic Elective-I					3	4	25	75	100
	Learning Objectives										
C1	To provide students with the basic concepts of Management.										
C2	To probe the planning concepts and its objectives										
C3	To analyze the Organizational Levels in an Organization										
C4	To describes the motivation and satisfaction and its elements										
C5	To know the importance of Quality Checks.										

UNIT	Contents	No. of Hours
I	**Introduction** Management – Definition-scope – Schools of Thought in Management-Levels of Management-Role and Functions of a Manager	15
II	**Planning** Planning: Concept, Objectives, Nature, Limitation, Process of planning, Importance, Forms, Techniques and Process of decision making.	15
III	**Organisational Levels** Types of Business Organizations – Structure- Span of Control – Departmentalisation-Selection, Training and Development, Performance Management, Career Planning ,and Management	15
IV	**Directing** Creativity and Innovation – Motivation and Satisfaction – Organization Culture – Elements and Types of Culture – Managing Cultural Diversity.	15
V	**Controlling** Process of Controlling – Types of Control – Budgetary and non-budgetary, Control Techniques – Managing Productivity – Cost Control – Purchase Control –Maintenance Control – Quality Control – Planning Operations.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the foundations and importance of Management.	PO1
2	Demonstrate an understanding of Planning	PO2,PO3
3	Analyze the organisational levels and Process of selection	PO1,PO2,PO3
4	Discuss the relevance of Organizational Culture	PO1,PO2,
5	Examine the importance of quality control	PO4

Textbooks	
1.	Stephen A. Robbins & David A. Decenzo & Mary Coulter,(2011) "Fundamentals of Management" 7th Edition, Pearson Education
2.	Tripathy PC & Reddy PN,(1999) "Principles of Management", Tata McGraw Hill.
3.	Pillai R.S.N and Kala .S (2013) Principles And Practice Of Management S.Chand& Co andCompany.
4.	Ricky Griffin, "Fundamentals of Management", Cengage Learning, (2016)
5.	Pardeep Kumar and Amanjot Sachdeva, "Fundamentals of Management",S. Chand Publishing, (2012)

Reference Books	
1.	Dr. C.B. Gupta and Dr. Shruti Mathur (2022) Management Principles andApplications ,Scholar Tech Press
2.	Neeru Vasisth and Vibhuti Vasishth(2019)Principles of Management Text & Cases ,Taxman Publication
3	R.C Bhatiya, "Fundamentals of Management", S.K Kataria &Sons, 2013
4	L.M Prasad, "Principles and Practice of Management,2021
5	Dr.N.Mishra and Dr.O.P.Gupta, "Fundamentals of Management", SBPD Publishing House, 2022

Web Resources	
1.	http://www.mim.ac.mw/books/Fundamentals%20of%20Management.pdf
2.	https://theintactone.com/2019/09/18/fom-u1-topic-1-fundamentals-of-management-introduction-and-concepts/
3.	https://rccmindore.com/wp-content/uploads/2015/06/Fundamentals-of-Management.pdf
4.	https://in.sagepub.com/en-in/sas/journal-of-management/journal201724
5.	https://www.managementstudyhq.com/evolution-management-thought-theories.html

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Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	2	3	2	3	3
Weightage	15	14	15	14	14	14	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	3
CO3	3	3	3	2	3
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	11	13
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.2	2.6

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
										Marks	
	INTRODUCTION TO SOCIOLOGY	Generic Elective- I					3	4	25	75	100

	Learning Objectives
C1	To understand the nature and scope of sociology and its development
C2	To identify the origin and development of sociology and its basic concepts
C3	To evaluate stages and agencies of socialization
C4	To understand social stratification and its determinants
C5	To know the social change, evolution and revolution

UNIT	Contents	No. of Hours
I	**Introduction** Definition – Nature and Scope of Sociology –Origins and development of Sociology – Founding fathers and their contributions: Auguste Comte, Herbert Spencer, Karl Marx, Emile Durkheim and Max Weber –Sociology and other social sciences	15
II	**Basic Concepts of Sociology** Society, Community, Institutions, Association, Social Structure, Status – Role, Norms, and Values; Folkways and Mores, Associative and Dissociative processes – Cooperation- Assimilation-Accommodation- Competition and Conflict	15
III	**Individual and Society** Individual and Society- Socialization- Stages and Agencies of Socialization- Types of Groups – Primary and Secondary Groups, In-Group and Out-group, Reference Group.	15
IV	**Social Stratification** Social Stratification: Meaning, Definition and Dimensions –Social mobility and its determinants.	15
V	**Social Change** Meaning and Types: Evolution and Revolution, Progress and Development — Factors of Social Change-Culture and Civilization	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the contributions of sociologists in the field of sociology	PO1,PO2
2	Understand the basic aspects of Sociology	PO1,PO2
3	Examine the impact of individuals, groups and society	PO1, PO5,PO7
4	Understand the dimensions of social stratification	PO2,PO7
5	Analyze and design Policy for social change	PO2,PO3,PO7
	Textbooks	
1	Bottomore, T.B. (1972). Sociology: A guide to problems and literature. Bombay.	
2	Jayaram, N. (1988). Introductory sociology. Madras: Macmillan India.	
3	Sachdeva Vidya Bhushan D.R(2020) An Introduction to Sociology, Kitab Mahal	
4.	John.J.Macionis, "Sociology", Pearson, 17th edition, 2018	
5.	C.N Shankar Rao, "Sociology: Principles of Sociology with an Introduction to Sociology	

	Thought", S.Chand Publication, 2019	

	Reference Books	
1.	George Allen and Unwin (India). Harlambos, M. (1998). Sociology: Themes and perspectives. New Delhi: Oxford University Press.	
2.	Inkeles, Alex. (1987). What is sociology? New Delhi: Prentice-Hall of India.	
3.	Johnson, Harry M. (1995). Sociology: A systematic introduction. New Delhi: Allied Publishers.	
4.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.	
5.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York	

	Web Resources
1.	https://data.worldbank.org/indicator/SP.POP.TOTL
2.	https://www.iom.int/
3.	https:/libguides.humdolt.edu
4.	https://openstax.org/books/introduction-sociology-3e/
5.	https://www.sociologygroup.com/important-books-free-notes-sociology-optional/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	3	2	3	2	3	3
Weightage	14	14	14	14	14	15	14	15
Weighted percentage of course contribution to POS	2.8	3.00	3.00	2.8	2.8	2.8	2.8	3.00

S-Strong-3 M-Medium-2 L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	3	2
CO3	2	3	3	3	2
CO4	3	3	2	3	3
CO5	3	3	3	3	2
Weightage	15	15	14	15	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	3	2.2

Strong-3   M-Medium-2 L-Low-1

FIRST YEAR –SEMESTER- I

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	DEMOGRAPHY	SEC-I					2	75	25	75	100

	Learning Objectives
C1	To understand the meaning and scope of demography
C2	To discuss the basic concepts of demographic measurements.
C3	To describes the concepts of urbanisation and migration
C4	To evaluate the international aspects of population growth and tis environment
C5	To analyse the trends in population policy in India

UNIT	Contents	No. of Hours
I	**Introduction** Meaning Scope of Demography – Components of Population Growth – Theories of Population: Malthusian Theory, Optimum Theory and Theory of Demographic Transition.	15
II	**Birth Rate, Death Rate and Fertility** Census Data - Life Tables: Meaning and Uses – Reproductive and Child Health in India – Temporal and Spatial Variation in Sex Ratios – Crude Birth and Death Rate- Age Specific Birth and Death Rates – Standardized Birth and Death Rates –Fertility – Total Fertility Rate – Gross Reproduction Rate – Net Reproduction Rate	16
III	**Migration and Urbanisation** Migration and Urbanisation – Concept - Types of Migration- Effects of Migration and Urbanisation on Population— Recent Trends in Migration.	14
IV	**Population Trends** Population Trends– International Aspects of Population Growth and Distribution – Population and Environment Pattern of Age and Sex Structure in Developed and Developing Countries – Age Pyramids and Projections.	15
V	**Population Policy in India** Population Policy in India and its Evaluation – Population and Strategies for Human Development of Different Social Groups –National Population Commission – Demographic Dividend – National Youth Policy.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the various theories of Population Growth	PO1, PO7
2	Understand Demographic Indicators	PO2, PO3
3	Assess the causes and impact of Migration on rural-urban population distribution	PO2,PO7
4	Analyse the major demographic trends and their determinants	PO1,PO2
5	Evaluate Population Policy of India and analyse recent trends.	PO1,PO2,PO3

Textbooks

1	Jhingan, M. L, B.K. Bhatt, J.N. Desan (2003) Demography, Vrinda Publications, New Delhi
2	Rajendra K. Sharma (2007), Demography and Population Problems, Atlantic Publishers and Distributors Pvt. Ltd.
3.	Jennifer Hickes Lundquist, Douglas L. Anderton and David Yaukey, "Demography: The Study of Human Population", Waveland Press Inc, 2015
4.	Dudley L. Poston, Jr. and Leon F. Bouvier, "Population and Society: An Introduction to Demography", Cambridge University Press, 2015
5.	Richard.K Thomas, "Concepts, Methods and Practical Applications in Applied Demography", Springer,2018

Reference Books

1.	Agarwala S.N. (1985), India's Population Problem, Tata McGraw-Hill, Bombay.
2.	Bhende, A. and T.R. Kanitkar (1982), Principles of Population Studies, Himalaya Publishing House, Bombay.
3.	Bogue, D.J. (1969), Principles of Demography, John Wiley, New York
4.	Sarah Harper (2018), Demography: A Very Short Introduction, Oxford Press 2018.
5.	Peter R. Cox, Demography- 5th Edition, Cambridge University Press.

Web Resources

1.	https://data.worldbank.org/indicator/SP.POP.TOTL
2.	https://www.iom.int/
3.	https://censusindia.gov.in
4.	https://www.nationalgeographic.org/encyclopedia/demography/
5.	https://www.nature.com/scitable/knowledge/library/introduction-to-population-demographics-83032908/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	3.00	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	3
CO4	3	2	2	3	3
CO5	3	3	3	3	3
Weightage	15	14	14	13	13
Weighted percentage of Course Contribution to PSOs	3	2.8	2.8	2.6	2.6

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR-SEMESTER - I - SKILL ENHANCEMENT FOUNDATION

COURSE

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	BUSINESS COMMUNICATION	Skill Enhancement Foundation					3	4	25	75	100

	Learning Objectives
C1	To know the meaning objectives and role of communication and media
C2	To understand the need and importance of communication in management
C3	To apply the need and function of business letter
C4	To study the business correspondents with insurance and other organisation
C5	To understand the meaning and importance of report writing

UNIT	Contents	No. of Hours
I	**Communication** Communication: Meaning and Definition - Objectives - Role of Communication – Process and Elements of Communication - Communication Networks - Types and Media of Communication – Barriers to Communication - Characteristics for Successful Communication	15
II	**Communication in Management** Management and Communication: Need and Importance of Communication in Management – Corporate Communication - Communication Training for Managers - Communication Structure in an Organization.	15
III	**Business Letters** Business Letter: Need – Functions – Kinds – Essentials of effective Business Letter - Language and Layout – Planning, Enquiries and Replies - Sales Letter - Orders, Tender and Notice - Complaints - Letter of Appointment.	18
IV	**Correspondence** Correspondence: Bank Correspondence - Insurance Correspondence – Agency Correspondence - Import-Export Correspondence	15
V	**Report Writing** Report Writing: Meaning and Importance - Purpose - Types of Business Reports - Characteristics of a Good Report - Report Preparation - Report by Individual and Committees - Agenda and Minutes of Meeting.	12
	Total	**75**

	Course Outcomes	**Programme Outcomes**
CO	On completion of this course, students will	
1.	Understand the basics of communication and its Process, Elements, and its importance.	PO1,PO2
2.	Acquire communication skills.	PO1,PO4
3.	Employ the art of report preparation and writing Business Letters	PO2,PO6
4.	Use appropriate technology for business presentations and digital communication and write E-mails in a structured pattern.	PO5,PO6, PO8
5.	Employ the art of report preparation	PO4,PO6,PO7

Textbooks

1.	Korlahalli, J. S., & Pal, R. (1979) Essentials of Business Communication. S. Chand, New Delhi.	
2.	Kaul A, (2015) Effective Business Communication. Second Edition Prentice Hall India Learning Private Limited.	
3.	Raymond Lesikar and John Pettit, Jr.(2016) Report Writing for Business Mc Graw Hill Education	
4.	Scott Mclean,"Business Communication for Success", Flat World Knowlegde, 2010	
5.	Virander K. Jain, "Business Communication", S. Chand Limited, 2008	

Reference Books

1.	Kumar, R. (2010). Basic Business Communication. Excel Books India.
2.	Bovee, C. L. (2008). Business Communication today. Pearson Education India.
3.	Lesikar, R. V., & Pettit, J. D. (1989). Business communication: Theory and application. Irwin Professional Publishing.
4.	Mary Ellen Guffy and Dana Loewy (2012) Essentials of Business Communication Cengage Learning
5.	C.B.Gupta (2019) Essentials of Business Communication Cengage Learning India Pvt. Ltd

Web Resources

1.	https://www.managementstudyguide.com/business_communication.htm
2.	https://studiousguy.com/business-communication/
3.	https://www.indeed.com/career-advice/resumes-cover-letters/business-communication-skills
4.	https://www.softskillsaha.com/what-is-meaning-of-business-communication-skills.php
5.	https://www.mindtools.com/page8.html

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	3	3	2	3	2	3	3
Weightage	15	14	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.00	3.00	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	3
CO2	2	2	3	3	3
CO3	3	2	2	3	3
CO4	2	2	3	2	2
CO5	2	2	3	3	3
Weightage	11	11	13	14	14
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.6	2.8	2.8

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MICROECONOMICS-II	Core - III					4	5	25	75	100

	Learning Objectives
C1	To equip the students to gain knowledge on the market structures
C2	To analyse the monopoly and price discrimination in the market
C3	To probe the monopolistic and oligopoly competitions and its operation
C4	To enrich the students about the Theories of Distribution
C5	To understand the concepts of Welfare Economics

UNIT	Contents	No. of Hours
I	**Perfect Competition** Features of Perfect Competition – Equilibrium of the firm and the industry in the Short Run - Long-Run Equilibrium in Perfect Competition- Time Element Analysis.	14
II	**Monopoly and Price Discrimination** Definition of Monopoly–Demand and Marginal Revenue - Equilibrium under Monopoly– Dead Weight Loss -Policies to Control Monopoly – Price Discrimination–First Degree, Second Degree and Third-Degree Price Discrimination – Dumping.	15
III	**Monopolistic and Oligopoly Competition** Monopolistic Competition–Features– Product Differentiation–Market Equilibrium and Short Run and Long Run- Barriers to Entry – Group and Industry Equilibrium– Excess Capacity -Oligopoly – Kinked Demand Curve – Collusion – Cartels and Price Leadership –Game Theory – Minimax – Maximin – Nash Equilibrium.	16
IV	**Distribution Theory** Functional and Personal Distribution – Marginal Productivity Theory of Distribution – Product Exhaustion Theorem - Concepts of VMP and MRP.	14
V	**Welfare Economics and General Equilibrium** Welfare Criteria – Adam Smith – Edgeworth – Pareto - Kaldor – Market Failure – Externalities – Walrasian General Equilibrium – Static Properties for Consumption, Production, and Distribution.	16
	Total	75

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the equilibrium conditions in Perfect Competition.	PO1, PO2
2	Analyze the equilibrium conditions under Monopoly Market Structure.	PO1,PO2
3	Describe the Market Equilibrium under Monopolistic and Oligopoly Market.	PO1,PO2
4	Know the importance of theories of Distribution.	PO1,PO2
5	Evaluate the aspects of Welfare Economics and General Equilibrium.	PO2,PO3,PO7

Textbooks

1.	Robert Pindyck and Daniel L.Rubinfield,(2001) Micro Economics,Macmillan.
2.	Hal R. Varian (2004), Intermediate Micro Economics East-West Press: New Delhi.
3.	Walter Nicholson and Christopher Snyder, Micro Economic Theory - Basic Principles and Extensions, Cengage Learning India Pvt, Ltd, 12th Edition, 2016.
4.	Paul Krugman and Robin Wells, Micro Economics, Worth Publishers, 2020.
5.	Timothy Taylor,Steven A Greenlaw and David Shapiro (2017) Principles of Economics, 12th Media Services.

Reference Books

1.	Koutsoyiannis (2003), Modern Microeconomics, Palgrave Macmillan (UK) 2nd Edition.
2.	Gregory Mankiw (2012), Principles of Microeconomics Cengage India.
3.	Case & Fair, Principles of Economics Myeconlab series 8thEdn.
4.	Mansfield, Edwin and Yohe, Gary (2010): Microeconomics 4th ed, Viva-Norton Indian Edition
5.	Ferguson C.E. (1970), Micro Economic Theory, (Homewood, U.S.A)

Web Resources

1.	https://open.umn.edu/opentextbooks/subjects/economics
2.	https://global.oup.com
3.	https://www.economicsnetwork.ac.uk
4.	https://edge.sagepub.com/sextonmicro8e
5.	https://www.aeaweb.org/resources/students

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	3	2	3	3	2	3	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.00	2.8	3.00	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Weightage	15	15	15	12	12
Weighted percentage of Course Contribution to PSOs	3	3	3	2.4	2.4

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	STATISTICS FOR ECONOMICS-II	Core-IV					4	5	25	75	100

	Learning Objectives										
C1	To understand the various methods of index numbers and its applications
C2	To analyse the components and measurement of time series data
C3	To know the theories of probability and its applications
C4	To probe the research design and sampling methods
C5	To acquire knowledge on the application of test of Hypotheses in Research

UNIT	Contents	No. of Hours
I	**Index Numbers** Index Numbers – Methods – Unweighted and Weighted Index Numbers – Aggregate and Relative Index Numbers – Chain and Fixed based Index Numbers – Test of Adequacy of Index Numbers – Wholesale Price Index – Consumer Price Index – Cost of Living Index.	15
II	**Time Series Analysis** Definition– Components and Measurement– Graphic Method - Methods of Semi Average, Moving Averages and Method of Least Squares – Uses of Time Series Analysis.	15
III	**Theory of Probability** key Concepts of Probability – Importance – Theorems of Probability: Addition, Multiplication and Bayes' Theorem - Discrete and Continuous Random Variables – Theoretical Distributions – Binomial, Poisson and Normal – Properties- Uses and Applications.	15
IV	**Sampling** Sampling – Census and Sample Method – Theoretical Basis of Sampling – Methods of sampling – Random and Non –Random Sampling - Size of Sample – Merits and Limitations of Sampling – Sampling and Non- Sampling Errors.	15
V	**Testing of Hypothesis** Hypothesis Testing – Meaning, Types, Sources and Functions of Hypothesis – Test: Null and Alternative Hypothesis – Type – I and Type – II Errors– 't' Test – Paired 't'-test – Chi –Square test, 'F' test –Analysis of Variance - One way and Two-way ANOVA.	15
	Total	75 hours

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Gain Knowledge on the Index Numbers	PO1, PO2,PO3
2	Analyze the importance of Time Series Data and its measurement	PO1,PO2,PO3
3	Understand the concept of Probability	PO2
4	Identify the various Sampling Methods	PO1, PO2
5	Acquire Knowledge on Hypothesis Testing	PO2,PO3,PO7,PO8

Textbooks

1	S.P Gupta, (2017) "Statistical Methods", Sultan Chand & Sons.
2	Anderson, Sweeney and Williams(2012), "Statistics for Business and Economics Cengage,2012.
3	Pillai R.S.N. &BagavathiV (2012) "Statistics :Theory and Practice" S.Chand&CompanyLtd. New Delhi.
4.	Dr.T.K.V.Iyengar, Dr.B.Krishna Gandhi S.Ranganantham, Dr.M.V.S.S.N Prasad, Probability and Statistics, S.Chand and Co, 2020.
5.	Prof S.G.Vekatachalapathy and Dr.H.Premraj (2018) Statistical Methods Margham Publications.

Reference Books

1.	Anderson, David Ray, "Statistics for Business and Economics", South-Western Pub,2001.
2.	Sancheti and Kapoor, Statistics, (2015) Sultan & Sons New Delhi.
3.	Gupta S.C. Statistical Methods (2015) Sultan & sons New Delhi.
4.	Monga G.S. "Mathematics and Statistics for Economics" (2001), Vikas Publishing House Pvt.Ltd New Delhi.
5.	Dominick Salvatore and Derrick Reagle,theory and problems of statistics andeconometrics, Mc Graw Hill, (2002)

Web Resources

1.	https://stattrek.com/statistics/resources
2.	https://www.cuemath.com/data/f-test/
3.	https://www.statistics.com/
4.	https://thisisstatistics.org/students/
5.	https://oli.cmu.edu/courses/probability-statistics-open-free/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	3	2	2	2	3	2	3	3
Weightage	15	14	14	14	14	14	14	15
Weighted percentage of course contribution to POS	3.00	2.8	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

	CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
S trong-3	**CO1**	3	3	3	3	3
	CO2	3	3	3	3	3
M-Medium-2	**CO3**	3	3	3	3	3
	CO4	3	3	3	3	3
L-Low-1	**CO5**	3	3	3	3	3
	Weightage	15	15	15	15	15
	Weighted percentage of Course Contribution to PSOs	3	3	3	3	3

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	HISTORY OF ECONOMIC THOUGHT	Generic Elective-II					3	4	25	75	100

	Learning Objectives	
C1	To explain the nature and scope of economic thought and its principles	
C2	To understand the classical economists ideology and theory of Marx	
C3	To know the Kenesian revolution and its analysis	
C4	To build the Marginalism Revolution and its operations	
C5	To describes the thoughts of various Nobel laureates in economics	

UNIT	Contents	No. of Hours
I	**Pre-Classical Thought** Nature and Scope of Economic Thought-Mercantilism: Growth of Mercantilism- Main Principles – Important Mercantilists- Physiocracy - Main concepts - Important Physiocrats	18
II	**Classical Economists and Karl Marx** Adam Smith- Division of Labour- Theory of Value- Laissez Faire- Canons of Taxation - Ricardo: Theory of Rent - Comparative Advantage Theory of Trade- Malthus-Theory of Population –Theory of Gluts –Karl Marx-Theory of Surplus Value -Breakdown of the Capitalist System	15
III	**Neo-Classical and Institutionalist Thought** The Marginalist Revolution- Marshall: Value and Role of Time – Marginal Utility and Consumer's Surplus – Distribution – Marshallian Concepts – Representative Firm, Economies of Scale, Quasi-Rent- Institutional Economics – Veblen – Mitchell –J.R.Commons.	15
IV	**Keynesian Revolution and Modern Thought** Keynes – Psychological law of Consumption- Effective Demand-Theory of Employment--Schumpeter's Theory of Innovation - Hicks theory of Trade Cycle- New Keynesian Economics- New classical Economics –Rational Expectation Hypothesis.	12
V	**Nobel Laureates in Economics and Indian Economic Thought** Nobel Laureates in Economics – Paul A Samuelson – Kuznets – Hicks – Myrdal – Milton Friedman – Recent Nobel Laureates (Last Three Years)- Indian Economic Thought – DadabhaiNaoroji- Mahatma Gandhi-B.R. Ambedkar – Amartya Sen – Sen's Capability Approach –Poverty and Inequality.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of History of Economic Thought.	PO1
2	Understand the contributions of the Classical Ideas of Economics.	PO1,PO2
3	Describe Neo Classical and Institutional Economic Ideas	PO1,PO2
4	Examine the Keynesian School and Modern Economic Ideas	PO1,PO2
5	Understand the contribution of Nobel Laureates and Indian Economic Ideas	PO1,PO2,PO8
Textbooks		
1	Lokanathan, V, History of Economic Thought, S Chand & Co Ltd.	
2	Bhatia, H.L. (2018), History of Economic Thought, S Chand & Co Ltd.	
3	SrivastavaS.K (2002) History of Economic Thought, S.Chand Publication.	
4	M.L Jhingan ,M.Girija , L.Sasikala "History of Economic Thought" 3rd Edition, Virnda Publication 2014.	
5	R.R.Paul "History of Economic Thought" ,Kalyani Publisher,2018.	
Reference Books		
1.	Amartya Sen (1982), Welfare and Measurement, Oxford University Press, New Delhi.	
2.	Gandhi, M.K. (1938), Economics of Village Industries, Navjivan Publishers, New Delhi.	
3.	T.N.Hajela, (2015), History of Economic Thought Ane Students Edition 18th Edition.	
4.	Gide and Rist,(2014) , A History of Economic Doctrines, Nabu Press.	
5.	V.Lokanathan (2009) "A History of Economic Thought: S.Chand& Co Limited.	
Web Resources		
1.	https://www.hetwebsite.net/het/	
2.	https://thoughteconomics.com/	
3.	https://www.nobelprize/economic-sciences/	
4.	https://www.aeaweb.org/resources/students	
5.	https://sites.google.com/site/maeconomicsku/home	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	2	2	3	2	3	3
Weightage	14	14	14	14	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	2.8	2.8	3.00	3.00

 S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	3
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	12	12
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.6	2.6

 Strong-3   M-Medium-2   L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks CIA	Marks External	Marks Total
	INTRODUCTION TO E - COMMERCE	Generic Elective - II					2	2	25	75	100

	Learning Objectives
C1	To learn the nature and concepts of E-commerce in India
C2	To understand the various business models for E-Commerce and its uses
C3	To analyse the Various on line business transactions and its applications
C4	To explain the E-Promotion and consumer protection and its latest amendments
C5	To update the students on various methods of E-payment systems and tis risks.

UNIT	Contents	No. of Hours
I	**Introduction** Meaning – Nature – Concepts – advantages and disadvantages – online Transaction - Types of E-Commerce - Growth of E-Commerce in India.	12
II	**Business Models for E-commerce** E-commerce Models - Business-to-Business (B2B) – Business– to- Consumer (B2C) - Consumer-to-Consumer (C2C) - Consumer-to-Business (C2B) - Direct to Customer (D2C) – Peer-to-Peer (P2P) - Brokerage Model - Aggregator Model.	15
III	**Online Business Transactions** E-Commerce Applications in Various Industries- Banking, Insurance, Payment Of Utility Bills - Online Marketing /E-Tailing (Popularity, Benefits, Problems and Features) -Online Services (Financial, Travel and Career) /Auctions, Online Portal, Online Learning - Publishing and Entertainment - Online Shopping	15
IV	**E-Promotion and Consumer Protection** E-Advertising techniques: Banners, Sponsorships, Portals, and online coupons-Role of Influencers in Social Media- Marketing-Porters Value Chain Model-E- Commerce and consumers-Consumer Protection (E-Commerce) Rules 2020 and Latest Amendments	18
V	**E- Payment System** Models and Methods of e–Payments (Debit Card, Credit Card, Smart Cards, e-money) - Digital Signatures (procedure, working and legal position) - Payment Gateways - Online Banking: Meaning, Concepts, Importance, Electronic Fund Transfer - Automated Clearing House - Automated Ledger posting - Risks involved in e-payments.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO		
1	Understand the pros & cons of E-commerce.	PO1,PO2
2	Analyze the various models of E-commerce.	PO1,PO2
3	Understand the online business transaction and their impact on related service providers.	PO2,PO3
4	Understand the e-marketing mix and be familiar with consumer protection.	PO3.PO4
5	Know the mechanism of E- payment and its operations.	,PO2,PO3PO8
Textbooks		
1	Bajaj K.K and Debjani Nag (2017), E-commerce, McGraw Hill Educatio	
2	Chhabra T.N , Suri and Sanjiv Varma (2005) E-Commerce, Dhanpat Rai & Co	
3	Dr.K. Abirami Devi and Dr.M. Alagammal, "E- Commerce", Margaham Publication,	
4	Amir Manzoor, "E- Commerce: An Introduction", Lambert Academic Pubishing,2010	
5	Dr. Shivani Arora, "E-Commerce", Taxmann Publishing, 2017	
Reference Books		
1.	Pandey (2013) Ecommerce and its Applications , S.K. Kataria& Sons	
2.	Kenneth C. Laudon and Carlo Guercio Traver(2020) , E-Commerce, Pearson Education.	
3.	Pralok Gupta (2020) E-commerce in India: Economic and Legal Perspectives, SAGE Publications India Pvt Ltd	
4.	David Whitley (2017) E - Commerce: Strategy, Technologies and Applications,	
5.	Joseph P.T ., S.J (2019) "E-Commerce : An Indian Perspective" PHI Learning Pvt. Ltd.	
Web Resources		
1.	https://ecommerce-platforms.com/resources	
2.	https://ecommerceguide.com	
3.	https://www.bigcommerce.com/resources/	
4.	https://www.cloudways.com/blog/top-ecommerce-websites/	
5.	https://www.indiafilings.com/learn/how-to-start-an-ecommerce-business-in-india/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	14	15	15	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	3.0	2.8	2.8	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	2	2	3	3
CO4	3	2	2	3	3
CO5	3	2	2	3	3
Weightage	15	12	12	14	14
Weighted percentage of Course Contribution to PSOs	3	2.6	2.6	2.8	2.8

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ECONOMICS FOR INVESTORS	SEC-2					2	2	25	75	100
	Learning Objectives										
C1	To understand concepts of saving and investments										
C2	To probe the various investment avenue and its practice applications										
C3	To enables various investment markers and its features										
C4	To Know the economic fundamentals and the Business Environment										
C5	To understand various investment methods and its strategies										

UNIT	Contents	No. of Hours
I	**Introduction** Saving and Investments – Meaning – Types - Importance – Role of Savings and Investment on the development of Individuals- Distributional Role of Investment – Income and Wealth – Equitable Distributional Role	15
II	**Investment Avenues** Traditional Investment – Cash, Deposits, Gold, Silver, Commodities Real Estates. Modern Investment – Direct Investment – Portfolio Investment -Insurance -Mutual Funds -Traded Funds.	14
III	**Investment Markets** Capital Market – Share Market – Primary and Secondary – Bond Markets- Money Market – Metal Market - Commodities Markets – Foreign Exchange Market - Hedging - Futures and Options	16
IV	**Economic fundamentals for Investors** Domestic Economic Environment: Economic Growth and Development – National Income – Per Capita Income, Unemployment – Taxes, Trade Cycle – Infrastructure – Physical and Economic. Political and Social Environment- International Economic Environment: International Economic Growth and Development, Trade, Foreign Exchange - Global Recession- Oil Market – War Between Countries	15
V	**Investment Methods and Strategies.** Cash Flow – Capital Gain – Risk Rewarding – Asset Accumulation - Risk Distribution – Asset Management.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the types and importance of savings and investments.	PO1
2	Explain the available for investment avenues	PO2
3	Understand the operations of different types of investment markets.	PO1,PO2
4	Evaluate the economic fundamentals and information.	PO1,PO3
5	Construct objective enabling investment plans, strategy, evaluate and restructure if required.	PO2,PO3,PO4

Textbooks

Reference Books

1.	Robert T. Kyosaki,(2014) Guide To Investing Business Plus ISBN: 9780446589161
2.	BenjamineGraham(1949), The Intelligent Investor, Harper&Brothers
3.	Mary Buffett and David Clark(2002), The New Buffettology (Simon and Schuster)
4.	John C Bogle(2017) The Little Book of Common Sense Investing:The Only Way to Guarantee Your Fair Share of Stock Market Returns, Wiley Publications
5.	William J. O' Neil (2009) How to Make Money in Stocks: A Winning System in Good Times and Bad, Fourth Edition McGraw Hill Education

Web Resources

1.	https://www.capitalmarket.com/
2.	https://www.icmagroup.org/
3.	https://www.nseindia.com
4.	https://www.stockbrokers.com/guides/beginner-investors
5.	https://www.nasdaq.com/articles/10-best-stock-trading-websites-for-beginners
1	Ken McElroy, (2004) The ABCs of Real Estate Investing, Hachette Book Group USA
2	Esme Faerber (2013), All about Stocks ,TataMGraw Hill, New Delhi
3	Christopher D. Piros, Jerald E. Pinto(2013), "Economics for Investment Decision Makers:Micro, Macro, and International Economics, Workbook", Wiley, 2013
4.	John Calverley, "The Investor's Guide to Economic Fundamentals", Wiley, 2003
5	Howards Marks, Mastering The Market Cycle:Getting the Odds on Your Side", John Murray Press, 2018

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	14	15	15	14	14	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	3.0	2.8	2.8	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	2	2	3	3	3
CO4	3	3	2	2	2
CO5	2	2	3	3	3
Weightage	13	13	14	13	12
Weighted percentage of Course Contribution to PSOs	2.6	2.6	2.8	2.6	2.4

Strong-3   M-Medium-2   L-Low-1

FIRST YEAR - SEMESTER II

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	COMPUTER APPLICATIONS IN ECONOMICS	SEC-3					2	2	25	75	100

	Learning Objectives
C1	To know the basic concepts of Computer Applications
C2	To apply the MS office and its basic operations
C3	To describes the data processing techniques using various MS office operations
C4	To gain knowledge on application of MS Excel
C5	To know mathematical and statistical functions for Economic Analysis

UNIT	Contents	No. of Hours
I	**Introduction to Computers** Computer and Peripherals: Meaning, Types, Features and Limitations– Basic Components – Input and Output Devices – Primary Memory and Secondary Storage – Computer Software– Types – Malicious Software –Operating Systems: Functions and Types.	15
II	**MS Office** Windows Explorer - MS Word: Basic Operations in Word – Editing– Formatting – Text Creation of Tables and Volumes - MS Power Point Presentation- Creating, Opening and Saving Slideshow and Animations - MS Excel: Work Sheet and Work Book- Opening and Formatting.	15
III	**Data Processing** Data Processing Techniques using MS Excel: Concept of Data – Record and File – Types of Data – Data Entry – File Handling and Operations–Opening, Appending and Cascading – Closing and Attribute Controls – Data Storage and Retrieval.	12
IV	**Introduction to MS Excel** Calculation Operators: Arithmetic Operators – Comparison Operators – Logical Operations- Excel Tool Bars- Formatting of Text, Tables and Graphs.	15
V	**Application of MS Excel in Statistics and Economics** Descriptive Statistics: Mean, Median, Mode and Standard Deviation Variance- Index Numbers and Growth Rates - Demand Function - Supply Function, Production Function and Consumption Function - Demand for and Supply of Money- Correlation – Regression.	18
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand basic components of Computer and its functions.	PO1, PO3,PO8
2	Gain Knowledge of MS Office.	PO3,PO8
3	Outline data processing techniques of MS Excel.	PO2,PO3,PO8
4	Understand basic Operation in MS Excel.	PO1,PO2,PO8
5	Apply MS Excel in Statistics and Economics.	PO2,PO3,PO8

Textbooks

1	Hem Chand Jain and H.N.Tiwari (2019) Computer Applications In Business ,5thEdition Taxmann Publication.
2	Dhanasekaran.K(2010) Computer Applications In Economics Vrinda Publications.
3	Asthana and Braj Bhushan (2007):Statistics for Social Sciences (with SPSS Applications).
4.	Dan Kookin, "Word for Dummies", Wiley, 2021
5.	Joseph Muller, "Statistical Analysis with Excel For Dummies", Wiley, 2008

	Reference Books
1.	Oscar Afonso , Paulo B. Vasconcelos, Computational Economics: A Concise Introduction, Routledge; 1stEdition
2.	Alexis Leon and Mathews Leon; (2001), Introduction to Computers with Ms-Office 2000.McGraw Hill Education
3.	Greg Harvey, PhD, (2007) Microsoft Office Excel 2007 For Dummies, Wiley Publishing.
4.	Kerns (1992) Essentials of Microsoft Windows, Word and Excel, Prentice Hall
5.	Kavindra Kumar Singh (2014) Computer Applications in ManagementDreamTech
	Web Resources
1.	https://www.excel-easy.com/basics.html
2.	https://excelchamps.com/excel-basics/
3.	https://edu.gcfglobal.or/en/topics/excel/
4.	https://trumpexcel.com/learn-excel/
5.	https://www.simplilearn.com/learn-ms-excel-free-training-course-skillup

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	2	3	3	3	3	3
Weightage	15	14	14	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	3.0	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	3	3
CO2	2	2	2	3	3
CO3	2	2	2	3	3
CO4	2	2	2	3	3
CO5	3	3	3	3	3
Weightage	11	11	11	15	15
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.2	3	3

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	MACRO ECONOMICS-I	Core - V					4	5	25	75	100

	Learning Objectives
C1	To understand the national income and its related concepts
C2	To analyse the classical theory of full employment and its advantages
C3	To illustrate the Keynesian under employment theory and its applications
C4	To evaluate the theories of Consumption and its types
C5	To impart students to understand inflation and its types

UNIT	Contents	No. of Hours
I	**National Income** National Income: Definition –Concepts: GDP,GNP and Per Capita Income- National Income Measurement: Expenditure, Income and Value Added Approaches- Real and Nominal GDP – National Income Accounting - GDP Deflator – Green GDP – Happiness Index - Circular Flow of Income and Expenditure	15
II	**Full Employment: Classical Theory** Introduction - Aggregate Demand and Aggregate Supply – Assumptions of Classical Theory – Say's Law – Wage and Price Flexibility - Employment and Output determination in Classical Model -Three Ranges in Aggregate Supply (AS)Curve	15
III	**Under Employment: Keynesian Theory** Keynes's Critique of Classical Theory – Involuntary Unemployment – Underemployment Equilibrium- Effective Demand – Components - Wage Rigidity – Liquidity Preference - Consumption Function: Meaning and Attributes - Investment – Marginal Efficiency of Capital-Multiplier.	18
IV	**Theories of Consumption** Keynesian Absolute Income Hypothesis – Duesenberry's Relative Income Hypothesis – Friedman's Permanent Income Hypothesis – Modigliani's Life Cycle Hypothesis.	15
V	**Inflation** Inflation: Definition and Types -Demand Pull -Cost Push and Mark-up Inflation– Consumer Price Index – Wholesale Price Index – Producer Price Index – Headline and Core Inflation- Phillips Curve.	12
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the structure of Macroeconomics and the Concept of GDP	PO1,PO2,PO3
2	Outline the concepts in Classical Theory of Employment	PO1,PO2
3	Analyse the Keynesian Underemployment Theory	PO1,PO2
4	Examine the theories of Consumption Function	PO1,PO2, PO3
5	Understand the types and the impact of Inflation on Economies	PO2,PO3,PO8

Textbooks

1	Mankiw. N Gregory (2000), Macroeconomics, Worth Publishers, New York
2	VaishM.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi
3	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher
4	H.L. Ahuja, Macro Economics: Theory and Policy S.Chand, 2016
5	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.

Reference Books

1.	RudigerDornbusch , Stanley Fischer, and Richard Startz (2000), Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.
2.	Parkin, M., 2014. Macro Economics. 11th Edition. Essex: Pearson
3.	Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.
4.	Mueller, M.G. (Ed.) (1978), Readingsin Macroeconomics, Surjeet Publications, New Delhi
5.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt Ltd., Singapore.

Web Resources

1.	http://www2.econ.iastate.edu/tesfatsi/sources.htm
2.	https://www.khanacademy.org/economics-finance-domain/macroeconomics
3.	https://www.econlib.org
4.	https://economics.mit.edu/
5.	https://hbswk.hbs.edu/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	2	3	2	3	3	3	3	3
Weightage	14	15	14	15	14	15	15	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	3.0	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	2	2	2
CO5	3	3	3	3	3
Weightage	15	15	14	12	11
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.6	2.2

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	MATHEMATICS FOR ECONOMICS	Core - VI					4	5	25	75	100

	Learning Objectives
C1	To integrate the concepts of Economics with Mathematical tools.
C2	To use Matrices to find solutions in Economics.
C3	To apply the applications of Matrix algebra and its uses
C4	To know the differentiation and its function
C5	To understand the second order derivatives and its maxi mini function

UNIT	Contents	No. of Hours
I	**Introduction** Variables, Constants, Equations and its types – Uses and limitations of Mathematics in Economics- Functions of one or more variables – Linear function, Parabola, Rectangular Hyperbola- Exponential, Logarithmic, Power function and Homogenous Function – Applications in Economics	12
II	**Matrix Algebra and Determinants** Types of Matrices- Matrix Operations – Addition – Subtraction- Matrix Multiplication – Transpose –Determinants, Inverse and Properties (Problems).	15
III	**Applications of Matrix Algebra** Solving a system of Linear Equations – Cramer's Rule and Matrix Inverse Method- Leontief's Input-Output Model – Open and Closed Model- Components, Uses, and Limitations- Hawkins – Simon Conditions for Viability of Input and Output Model (Problems).	18
IV	**Differentiation** Limits and Continuity –Differentiability of a Function – Slope of a Curve – Increasing and Decreasing Functions – Rules- Exponential and Logarithmic Functions -Implicit Differentiation– Economic Applications: Marginal and Elasticity Concepts – Relationship between AR, MR, and Price Elasticity of Demand – Relationship Between Average and Marginal Cost.	15
V	**Optimization (Single Variable)** Second Order Derivatives–Maximization and Minimization of a Function– Economic Applications – Output and Revenue Maximization -Cost Minimization – Profit Maximization under Perfect Competition, Monopoly, Discriminating Monopoly (Problems).	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand Basic Concepts of Mathematics and its application in Economics.	PO1,PO3
2	Analyze the relevance of the Types of Matrices	PO1,PO2
3	Calculate optimal values in the system of Equations and the importance of Input-Output Analysis	PO2,PO3
4	Gain knowledge of the rules of Differentiation and its Economic Applications	PO1,PO2, PO3
5	To optimize single variable functions in Economics	PO1,PO3

	Textbooks
1	Mehta and Madnani (2019) Mathematics for Economists Sultan Chand and Sons
2	Edward T. Dowling,(2002) "Mathematical Methods for Business and Economics", Schaum's Outline Series, 3rd Edition, Mc Graw Hill
3	Renshaw Geoff, (2005) Maths for Economics, 3rd Edition Oxford University Press, Oxford
4	Carl P Simon & Lawrence E. Blume,"Mathematics for Economists", Published by W. W. Norton & Company,2010
5	Ian Jacques, "Mathematics for Economics and Business", Pearson, 2018

	Reference Books
1.	Chiang, A. C., Fundamental Methods of Mathematical Economics, McGraw-Hill, 1984
2.	G. Hadley, Linear Algebra Addison – Wesley Publishing Company, 1977.
3.	K. Sydsaeter and P Hammond, Mathematics for Economic Analysis, Pearson Educational Asia, Delhi 2002.
4.	Mabett. Alan J Workout for Mathematics for Economist McMillan 1986.
5.	R.G.D. Allen, Mathematical Analysis for Economists Macmillan and Co.Ltd.,2008

	Web Resources
1.	https://www.coursera.org/learn/mathematics-for-economists
2.	https://mitpress.mit.edu/9780262294805/mathematics-for-economics/
3.	https://hummedia.manchester.ac.uk/school/soss/economics/pg/psmaths/pre-sessionmathbook.pdf
4.	https://mitpress.mit.edu/9780262046626/mathematics-for-economics/
5.	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	3	3
CO 5	3	2	3	3	3	3	3	3
Weightage	15	14	15	15	14	15	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	2	2	2
CO3	3	3	2	2	2
CO4	3	3	3	2	3
CO5	2	2	3	3	3
Weightage	14	14	12	11	12
Weighted percentage of Course Contribution to PSOs	2.8	2.8	2.6	2.2	2.6

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	PRINCIPLES OF MARKETING	Elective					3	4	25	75	100

Learning Objectives	
C1	To assess the nature and scope of marketing and its functions
C2	To understand the buying behavior and market segmentation with consumer protection act
C3	To know the product, pricing decisions and pricing of new products
C4	To reveals the distribution and promotions decisions its types and methods
C5	To analyse the marketing technique and marketing services

UNIT	Contents	No. of Hours
I	**Introduction** Marketing: Definition, Nature and Scope – Marketing Functions– Modern Concept of Marketing– Classification of Markets – Buying – Transportation – Warehousing – Standardization – Grading.	15
II	**Buying Behaviour and Market Segmentation** Buying Behaviour– Classification - Buying Decision Process– Buying Motives – Consumer Protection Act 1986 and Latest Amendments- Market Segmentation: Concept and Methods - Product Differentiation Vs. Market Segmentation - Marketing Mix	15
III	**Product and Pricing Decisions** Product: Meaning and Classification - Product Mix –Branding- Brand Decisions – Packaging and Labelling – Product Support - Product Life Cycle - New Product Development -Pricing Objectives - Pricing Policies and Strategies – Pricing of New Products	16
IV	**Distribution and Promotion Decisions** Channels of Distribution: Meaning and Importance - Wholesaling and Retailing – Promotional Methods – Promotion Mix – Advertising: Objectives, Characteristics and Types of Advertising Mediums - Publicity – Personal Selling: Importance and Process - Sales Promotion and Distinctive Characteristics.	14
V	**Modern Marketing Techniques** Modern Marketing-– Direct Marketing– Social Marketing- Relationship Marketing– E-Marketing - Green Marketing – Marketing of Industrial and Consumer Products –Marketing of Services – Marketing of Agricultural Products –Market Information System (MIS).	15
	Total	**75**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the Classification of Markets and Marketing Functions	PO1,PO2
2	Analyze the buying behaviour, Buying Decision Process and Understand Basic Theories, Consumer Protection Act, Product Differentiation and Marketing Mix.	PO2,PO3
3	Understand the concept of Product Mix, Product life cycle, Pricing Policies and Pricing of New Products.	PO1,PO2
4	Describe the Channel of Distribution, Wholesaling, Retailing, Sales promotion and their distinctive characteristics.	PO1,PO2
5	Evaluate the concepts of Modern Marketing and Elements.	PO1, PO2,PO3

Textbooks	
1	Dr.Rajan Nair.(2020) ,Marketing, Sultan Chand and Sons.
2	Philip Kotler, (2016), Marketing: An Introduction, Asia Pacific Holding Private Limited
3	Karunakaran K (2011) Marketing Management (Text and Cases in Indian Context), Himalaya Publishing House Mumbai
4.	Seema Gupta (2022) Digital Marketing 3rd Edition McGraw Hill
5.	Gary M. Armstrong, Stewart Adam, Sara Marion Denize, Michael Volkov, Philip Kotler, "Principles of Marketing", Pearson, 2017

	Reference Books
1.	Pillai, R.S.N and Bhagvathi (2010), Modern Marketing Principles and Practices. S Chand &CoLtd.,
2.	Dr.C. B.Gupta ,Dr.N.Rajan Nair(2020), Marketing Management ,Sultan Chand &Sons.
3.	Varshney,R.Land B. Bhattacharyya(2022), International Marketing Management, Sultan Chand and Sons.
4.	Dr.C.B.Mamoria, Pradeep Jain, Priti Mitra,(2013)Theory and Practice of Marketing,KitabMahal
5.	Sheena Iyengar(2011) The Art of Choosing ,Little Brown Book Group

	Web Resources
1.	https://marketingland.com
2.	https://www.worldsupporter.org/en/chapter/41634-summary-principles-marketing-kotler
3.	https://mailchimp.com/marketing-glossary/marketing-mix-7ps/
4.	https://www.linkedin.com/learning/paths/become-an-online-marketing-manager
5.	https://www.wordstream.com/learn

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	3	3	3	3
CO 4	2	3	3	3	2	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	2
CO2	3	2	3	3	2
CO3	3	3	3	2	3
CO4	3	2	3	2	3
CO5	3	3	2	2	2
Weightage	15	12	14	11	12
Weighted percentage of Course Contribution to PSOs	3	2.6	2.8	2.2	2.4

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ECONOMICS OF TOURISM	Generic Elective–III					3	4	25	75	100

Learning Objectives	
C1	To familiarise students with the basic concepts of Tourism.
C2	To probe the tourism demand forecasting and its methods
C3	To analyse the impact of tourism and its related aspects
C4	To understand the contribution of the Tourism Industry
C5	To examine the various international organisations in Tourism.

UNIT	Contents	No. of Hours
I	**Introduction** Introduction – Economics, and Tourism - Tourism Demand - Theoretical background - Types of Tourism Demand - Determinants of Tourism Demand	15
II	**Tourism Demand** Tourism Demand Forecasting - Methods of Forecasting – Public and Private Sectors in Tourism - the Need for Public and Private Sector Co-operation in Tourism – Growth of Tourism Demand in India.	15
III	**Tourism Impacts** Impact of Tourism - Economic Aspects - the Multiplier Effect - Displacement Effect and Tourism - Tourist Spending - Costs and Benefits of Tourism to Community - Environmental Aspects – Contingency Valuation Method	15
IV	**Tourism in India** Major tourism circuits of India: Inter-State and Intra-State – Heritage Tourism – Wild life Tourism and Eco Tourism – Tourism in Tamil Nadu.	15
V	**Tourism Organizations** Role and Functions of World Tourism Organization (WTO), Pacific Asia Travel Association (PATA), World Tourism &Travel Council (WTTC) - Ministry of Tourism, Govt. of India, ITDC, Department of Tourism, Government of Tamil Nadu TTDC – IHA- IATA- TAAI- IATO.	15
	Total	**75 hours**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Describe the importance of Tourism	PO1,PO2
2	Understand various methods to calculate demand for tourism	PO1, PO3,PO4
3	Analyse the impact of Tourism	PO1,PO2
4	Know the various Tourist circuits in India	PO6, PO8
5	Learn the role of Organisations in tourism development	PO1,PO2,PO8

Textbooks

1	Stephen Ball (2007), Encyclopaedia of Tourism Resources in India,B/H.
2	Manoj Dixit (2002), Tourism Products, New Royal Book Co. Lucknow
3	Vanhove and Norber, "The Economics of Tourism Destinations", T & F India, 2010
4	Mike J. Stabler, Andreas Papatheodorou, M. Thea Sinclair, " Economics of Tourism", Talyor & Francis, 2009
5	Yong Chen, "Economics of Tourism and Hospitality:A Micro Approach", Talyor & Francis, 2021

Reference Books

1.	Bhatia A.K (2020)Tourism Development : Principles and Practices Sterling Publishers Private Limited
2.	Mishra P.K (2018) Tourism in India: Potential, Problems and Prospects(2018) New Century Publications
3.	Prasanna Kumar (2017) Marketing for Hospitality and Tourism Mc Graw Hill Education
4.	Sneha Pathak and RiteshMishra(2019) Medical Tourism in India 93-88797-49-8
5.	Geetanjali (2010)Tourism Management ABD Publishers

Web Resources

1.	https://www.unwto.org/
2.	https://itdc.co.in/
3.	https://tourism.gov.in/
4.	https://www.traveldailymedia.com/importance-of-travel-website-for-the-travel-company/
5.	https://www.oecd.org/cfe/tourism/

SECOND YEAR-SEMESTER - III

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	ENTREPRENEURIAL ECONOMICS	SEC-4					1	1	25	75	100

	Learning Objectives
C1	To describes the factors influencing entrepreneurship
C2	To know the various theories of motivation and its advantages
C3	To Identify the opportunities to create value for others
C4	To evaluate the creativity and entrepreneurship.
C5	To analyse the sources of finance for business.

UNIT	Contents	No. of Hours
I	**Introduction** Entrepreneurship: Meaning and Importance - Evolution of term 'Entrepreneurship' - Factors influencing Entrepreneurship: Psychological, Social, Economic and Environmental - Characteristics of an Entrepreneur - Types of Entrepreneurs- New Generations of entrepreneurship - Barriers to entrepreneurship	15
II	**Entrepreneurial Motivation** Motivation: meaning and Definition – Theories of Motivation: Maslow's, Herzberg's, McGregor's and Achievement Theory - Culture & Society - Values / Ethics – Risk-taking behaviour	12
III	**Creativity and entrepreneurship** Creativity and entrepreneurship - Steps in Creativity - Innovation and inventions - Legal Protection of innovation - Skills of an Entrepreneur - Decision making and Problem Solving (Steps in Decision Making)	18
IV	**Sources of Finance** Sources of Finance: Long term Sources -Equity Shares, Preference Shares and debentures- Kinds Private Placements- IPO-SEBI- FDI- Institutional Finance - Banks - IDBI, IFCI, IIBI, ICICI, SIDBI, SFCs in India - Merchant Banks in India - NBFCs in India	15
V	**Rules and Legislation** Industries Development (Regulations) Act, 1951 - Factories Act 1948 - The Industrial Employment (Standing Orders) Act - Environment (Protection) Act, 1986 - The Sale of Goods Ac, 1950 - Industrial Disputes Act 1947	15
	Total	**75 hours**

CO	Course Outcomes	Programme Outcomes
	On completion of this course, students will	
1	Explain the importance and factors influencing entrepreneurship	PO1,PO2
2	Understand and apply entrepreneurial theory using lean start-up principles.	PO1,PO2
3	Recognize and evaluate Creativity and entrepreneurship	PO1, PO4
4	Understand the Various sources of Finance available for entrepreneur	PO1
5	Know the Applicability of Legislation and Rules	PO6

	Textbooks
1	Desai, V. (2009). Dynamics of Entrepreneurial Development and Management. Himalaya Publishing House.
2	Srinivasan, N. P., & Gupta, G. P. (2001). Entrepreneurial Development". *Sultan* Chand and Sons, New Delhi
3	Simon. C Parker, "The Economics of Entrepreneurship", Cambridge University Press, 2009
4	K. Glancey, R. McQuaidand Jo Campling,"Entrepreneurial economics", PalgraveMacmillan UK, 2000
5	Akland Alexander Tabarrok, "Entrepreneurial Economics", Oxford University Press, 2002

Reference Books	
1.	Glancey, K., McQuaid, R., &Campling, J. (2000), Entrepreneurial Economics. London: Macmillan.
2.	Casson, M., & Buckley, P. J. (2010). Entrepreneurship, Edward Elgar Publishing.
3.	Parker, S. C. (2018). The Economics of Entrepreneurship. Cambridge University Press.
4.	Harper, D. A. (2003). Foundations of Entrepreneurship and Economic Development. Routledge
5.	Khanka, S. S. (2006). Entrepreneurial Development. S. Chand Publishing.
Web Resources	
1.	https://www.startupindia.gov.in/
2.	https://www.ediindia.org/
3.	https://skillindia.gov.in/
4.	https://www.startupindia.gov.in/
5.	https://indianstartups.com/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.0	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	2
CO2	2	2	3	3	2
CO3	3	3	3	3	2
CO4	2	2	2	2	2
CO5	2	2	3	2	3
Weightage	11	11	14	12	11
Weighted percentage of Course Contribution to PSOs	2.2	2.2	2.8	2.6	2.2

Strong-3   M-Medium-2   L-Low-1

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	2	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	2	3	2
CO3	3	2	2	3	3
CO4	3	3	3	3	2
CO5	2	2	2	2	2
Weightage	14	13	12	14	11
Weighted percentage of Course Contribution to PSOs	2.8	2.6	2.2	2.8	2.2

Strong-3   M-Medium-2   L-Low-1

	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	EVENT MANAGEMENT	**SEC-5**					2	2	25	75	100

	Learning Objectives	
C1	To equip students on the various facets of Event Management.	
C2	To provide students event management as a career option.	
C3	To understand the committees in managing events and its safety	
C4	To learn about celebrity management	
C5	To know the event management in India and its operations	

UNIT	Contents	No. of Hours
I	**Introduction** Event Management – Definition –objectives –Classification and Types of Events- Career Options	15
II	**Event Management Strategy** **Process -**Target Audience –Creativity - Purpose – Costs -Event Budget-Network with Suppliers- Creation of Social Media Accounts	15
III	**Committees in Managing Events** Organising Committee- Event Scheduling -Venue Selection-Recruitment of Event Staff-Event Safety-Emergency Planning and Checklist	15
IV	**Celebrity Management** Issues and Challenges -Cost Management and Budget – Confidentiality- Crowd Management	15
V	Event Management Industry in India- Leading Event Management Companies	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On Completion of the course ,students will	
1	Understand the growing importance of event industry	PO1, P02
2	Analyse the process involved in the event management industry and career Options	PO2, PO3
3	Gain Knowledge on the various Committees involved	PO1,PO2,PO3
4	Review how to manage celebrities	PO2, PO6
5	Examine the Growth process of event Management industry in India	PO1, P02, PO6

	Textbooks
1	Lynn Van Der Wagen & Brenda R Carlos Event Management
2	Bhavana Chaudhari Dr. Hoshi Bhiwandiwalla(2019) A book of Event Management Kindle Edition,Nirali Prakashan Publishers
3	Alex Genadinik Event planning -management & marketing for successful events, Alex Genadinik publisher 2015
4	Charles Bladen, James Kennell, Emma Abson and Nick Wilde, "Events Management: An Introduction",Talyor and Francis, 2017
5	Bernadette Quinn, " Key Concepts in Event Management", Sage Publication, 2013
	Reference Books
1.	Abhijeeth Bhattacharje(2020) Event Management :A zero Investment Startup Business Kindle Edition
2.	William O'Toole(2021)Events Feasibility and Development From Strategy to Operations Routledge
3.	Julia Rutherford Silvers, William O'Toole(2020)Risk Management for Events, Routledge
4.	Anukrati Sharma, Shruti Arora(2018)Event Management and Marketing: Theory, Practical Approaches and Planning ,.Bharti Publications
5.	Allen, J. et al., 2011. Festival & Special event management. 5th edition. John Wiley & Sons: Brisbane
	Web Resources
1.	https://www.careerlauncher.com/rbi-grade-b/wto/
2.	https://www.uou.ac.in/sites/default/files/slm/HM-402.pdf
3.	https://www.bizzabo.com/blog/event-planning-websites/
4.	https://www.tantraa.net/
5.	https://eventplanningblueprint.com/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	3	3	3	3	3
CO 4	3	3	3	3	2	3	2	3
CO 5	2	2	3	3	3	2	3	3
Weightage	14	13	15	15	14	14	14	15
Weighted percentage of course contribution to POS	2.8	2.6	3.0	3.0	2.8	2.8	2.8	3.00

   S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	2
CO2	2	2	2	2	2
CO3	2	2	2	2	2
CO4	1	1	1	1	2
CO5	2	2	2	2	2
Weightage	9	9	9	9	10
Weighted percentage of Course Contribution to PSOs	1.8	1.8	1.8	1.8	2

   Strong-3   M-Medium-2   L-Low-1

EVS Paper

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	MACRO ECONOMICS –II	Core -VII					4	5	25	75	100

	Learning Objectives
C1	To analyse the IS-LM model and its shifts
C2	To probe the macro economic variables and business cycle
C3	To trace the macroeconomic theories and analyze the macroeconomic policies.
C4	To understand the monetary policy and its instruments.
C5	To know the fiscal policy and its instruments.

UNIT	Contents	No. of Hours
I	**IS-LM Model** Investment and Interest Rate – Money Demand, Money Supply and the interest rate – Derivation of IS and LM Curve – Shifts in IS Curve and Shifts in LM Curve.	15
II	**Business Cycles** Phases of Business Cycles – Macroeconomic Variables and Business Cycles – Classical Theory and Business Cycles – Hawtrey, Von Hayek, Schumpeter Hicks, Kaldor and Samuelson Models – Keynesian theory of Business Cycles	15
III	**Monetary Policy** Money - Functions of Money - Money Supply and Money Demand – Classical Dichotomy – Keynesian theory of Money Demand –Instruments of Monetary Policy-IS-LM Model and Monetary Policy	15
IV	**Fiscal Policy** Fiscal Policy -Instruments- Classical and Keynesian Theory of Fiscal Policy– Fiscal Expansion – IS-LM Model and Fiscal Policy – Critique of Fiscal Policy – Three Ranges in LM Curve.	15
V	**Supply Side Economics** Rational Expectation Hypothesis – New Classical School – Contribution of Robert Lucas – New Keynesian School.	15
	Total	**75 hours**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the IS-LM Model.	PO1,PO2
2	Learn the operation of theories of Business Cycles.	PO2,PO3
3	Analyze the components of Money Supply and Demand.	PO3,PO4
4	Evaluate the effectiveness of Fiscal Policy.	PO3,PO4
5	Understand Supply Side Economics.	PO1,PO2

Textbooks

1	Mankiw Gregory (2017) Principles of Macroeconomics with coursemate, Books Express Publications.
2	Rudiger Dornbusch, FischerStanely, and Richard Startz (2000), Macro Economics, tata McGraw-Hill publishing company, New Delhi
3	Andrew B. Abel and Ben S.Bernanke, Macro Econmics, Pearson Education, Inc., 7th Edition, 2011.
4	Vaish M.C.(2003) Macro Economic Theory , S.Chand & Company Ltd New Delhi
5	Paul Krugman and Robin Wells(2015) Macroeconomics Worth Publisher

Reference Books

1.	Ahuja H.L, (2016) Macroeconomics: Theory and Policy. S. Chand
2.	Mueller, M.G. (Ed.)(1978), Readings in Macro Economics, Surjeet Publications, New Delhi
3.	Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore
4.	Parkin, M., 2014. Macroeconomics 11th Edition Essex: Pearson Blanchard, Olivier and David R. Johnson (2013) Macroeconomics, Pearson.
5.	Soumen Sikdar,"Principles of Macroeconomics", OUP India, 2020

Web Resources

1.	https://tradingeconomics.com
2.	https://www.bu.edu/econ/files/2014/08/DLS1.pdf
3.	https://www.imf.org
4.	https://www.aeaweb.org/resources/students
5.	https://www.worldbank.org/en/topic/macroeconomics

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	3.0	2.8	3.00

        S-Strong-3   M-Medium-2   L-Low-

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	2
CO2	3	3	3	2	2
CO3	3	3	3	3	2
CO4	3	2	3	2	3
CO5	3	3	2	3	3
Weightage	15	14	13	12	12
Weighted percentage of Course Contribution to PSOs	3	2.8	2.6	2.4	2.4

      Strong-3   M-Medium-2 L-Low-1

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Programme Outcome		Marks		
											CIA	External	Total

Course Outcomes

On completion of this course, students will

1	Outline the nature of the Indian Economy and highlight the changes
2	Discuss the major issues of Poverty, Inequality, Unemployment, and Human Development in India in comparison to other countries
3	Provide a qualitative and quantitative overview of different sectors of the Indian Economy
4	Describe the components of Foreign Trade and analyze India's Balance of Payments
5	Identify various components of fiscal federalism in India

INDIAN ECONOMY   Core-VIII   4   5   25   75   100

Programme Outcome:
- PO1,PO2
- PO6, PO8
- PO1,PO2,PO3
- PO1,PO2,PO3
- PO1,PO2

Learning Objectives

C1	To understand the features and issues of Indian economy and new economic policy
C2	To analyse the national income, poverty and human development and its method
C3	To equip conceptual foundations and macroeconomic concepts of Indian Economy
C4	To describe the Trends in Production and Productivity in Agriculture
C5	To know the importance of Foreign Trade for a Developing Economy

UNIT	Contents	No. of Hours
I	**Introduction to Indian Economy** Features and Issues of Indian Economy - Planned Economic Development in India - Achievements and Failures of Planning in India – Economic Crisis and Rationale behind NITI Aayog	15
II	**National Income, Poverty and Human Development Index** National Income – Sectoral Contributions and Economic Transition in India – Poverty and Inequality – Definition and Estimates, Gini Coefficient, Sen Index; Poverty Line - Income and Regional Inequalities: Causes and Measures, Unemployment: Nature and Extent, Measures – HDI – International Comparisons.	15
III	**Sectors of the Indian Economy** Indian Agriculture – Trends in Production and Productivity – Land Reforms – Green Revolution - Agricultural Pricing – Agricultural Marketing – Food Security – Industrial Development – Trends and Problems, MSMEs – Industrial Policy,1991 and Recent Developments - Overview of Service and Financial Sectors in India – Importance – Expansion of Private Banks.	14
IV	**Foreign Trade** Importance of Foreign Trade for a Developing Economy-Composition and Direction of India's Foreign Trade- Role of FDI and Foreign Institutional Investors- BOP Crisis - India's Trade Policy.	16
V	**Fiscal Federalism** Principles of Federal Finance – Fiscal Federalism in India – Functions and Sources of Revenue – Vertical and Horizontal Imbalances – Finance Commission – Reports and its Recommendations.	15
	Total	

Textbooks

Gaurav Datt and Ashwani Mahajan "Datt and Sundaram's Indian Economy" S.Chand 72nd Edition.

Kaushik Basu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.

Ramesh Singh," Indian Economy", McGraw Hill, 2022

Sanjiv Verma, "The Indian Economy", Unique Publication,2022

Dr. V.C Sinha,"Indian Economy Performance and Policies", SBPD Publications,2021

Reference Books

1. Puri. V.K. & S.K. Misra (2022) Indian Economy
2. Uma Kapila (Ed.) (2018) Indian Economy Since Independence
3. Byres, T.J. (Ed.) (1997), The State, Development Planning and Liberalization in India, Oxford University Press, New Delhi
4. Ashima Goyal(Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press
5. K. R. Gupta, J. R. Gupta, "Indian Economy", Altanic, 2008

Web Resources

1. http://www.india.gov.in
2. https://www.rbi.org.in
3. https://hdr.undp.org
4. https://www.india.gov.in/
5. https://www.cmie.com/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	1
CO2	3	3	2	3	2
CO3	2	3	2	3	3
CO4	2	3	3	3	3
CO5	1	3	3	3	2
Weightage	10	15	12	15	11
Weighted percentage of Course Contribution to PSOs	2	3	2.4	3	2.2

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	RESEARCH METHODS IN ECONOMICS	Generic Elective-IV					3	4	25	75	100

	Learning Objectives
C1	To understand the meaning and significance characteristics of scientific research
C2	To know the formulation, selection of research problem and collection of reviews
C3	To apply the various research design in the social science research
C4	To enumerate the data and sampling methods
C5	To discuss the report writing techniques and its procedures

UNIT	Contents	No. of Hours
I	**Introduction** Research: meaning and significance Characteristics of Scientific Research - Type of Research: Pure, Applied, Analytical, Exploratory, Descriptive, Surveys, Case-Study - Limitations of Social Science Research - Role of Computer Technology In Research.	15
II	**Research Problem and Review of Literature** Research Problem: formulation and selection - necessity of defining the problem – Review of literature: Primary and Secondary Sources - importance of literature review in defining a problem - identifying gap areas from literature and research database.	15
III	**Research Design** Research Design: Concept and Importance in Research – Features of a Good Research Design – Exploratory Research Design – Descriptive Research Design – Experimental Design: Concept of Independent & Dependent variables.	12
IV	**Data and Sampling Methods** Data types: Qualitative and Quantitative - Sources of Primary and secondary data - Census - Sampling Methods: Probability and Non-Probability Sampling Methods - Sampling and Non-Sampling Errors	15
V	**Hypothesis and Report Writing** Hypothesis: Types of Hypothesis - Null and Alternative Hypothesis - Parameter and Statistic - Type I and Type II Errors - Level of Significance and Critical Region - Report Writing - Types and Principles of writing the Research Report	18
	Total	**75 hours**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the overview of Social Science Research.	PO1, PO2,PO4
2	Analyze the Research Process	PO1, PO2,PO4
3	Develop the Statistical Analysis to test Economic Theory and address Policy Issues	PO3,PO4
4	Know the sampling methods in Research.	PO1,PO2
5	Explain the hypothesis testing and Principles of Report Writing.	PO2,PO3, PO4

	Textbooks
1	Krishnaswamy, O.R. (1993) Methodology of Research In Social Sciences, Himalaya

	publishing House.
2	Kothari, C. R. (2004). Research Methodology: Methods and techniques. New Age International.
3	Vinod Chandra, Anand Hareendran, "Research methodology", Pearson, 2017
4	R.Pannerselvam, "Research Methodology", PHI learning,2014
5	Ranjit Kumar, "Research Methodology", Sage Publication, 2010
Reference Books	
1.	Taylor, B., Sinha, G., &Ghoshal, T. (2006). Research methodology: A guide to for researchers in management and social sciences. PHI Learning Pvt. Ltd..
2.	Bhandarkar, P. L., Wilkinson, T. S., &Laldas, D. K. (2010). Methodology & Techniques of Social Research. Himalaya Publishing House
3.	Kumar, A. (2002). Research methodology in social science. Sarup& Sons
4.	Daniel, P. S., & Sam, A. G. (2011). Research methodology. Gyan Publishing House
5.	Ethridge, D. (2004). Research methodology in applied economics: organizing, planning, and conducting economic research, Blackwell publishing
Web Resources	
1.	http://ignou.ac.in
2.	http://egyankosh.ac.in
3.	https://www.educba.com
4.	https://research.com/research/how-to-write-research-methodology
5.	https://www.questionpro.com/blog/what-is-research/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	3.0	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	2	1
CO2	2	2	2	2	3
CO3	3	3	2	3	3
CO4	1	2	2	3	3
CO5	2	2	1	2	3
Weightage	10	11	9	12	13
Weighted percentage of Course Contribution to PSOs	2	2.2	1.8	2.4	2.6

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER – IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
	HEALTH ECONOMICS	**Generic Elective-IV**					3	4	25	75	100

	Learning Objectives
C1	To understand the importance of health sector in economic development
C2	To evaluate the components of demand and supply of health care
C3	To Understand the importance of Health Indicators.
C4	To evaluate the components of Demand of Healthcare.
C5	To examine the review the existing Health Infrastructure.

UNIT	Contents	No. of Hours
I	**Introduction to Health Economics** Health and Economic Development - Determinants of Health - Health Indicators – Birth Rate – Fertility – Morbidity – Mortality – IMR – CMR – MMR – Disability Adjusted Life Year (DALY) – Sex Ratio-Quality Adjusted Life Year (QALY) - Amartya Sen's Capability Approach.	15
II	**Demand for Health Care** Demand for Health Care Services – Preference for Health Care using Indifference Curves – Budget Constraints – Income and Price Effects for Health Care – Elasticity of Demand for Medical Care.	15
III	**Supply of Health Care** Supply of Health Care Services – Physicians and Medical Personnel as Health Care Providers – Non Labour Inputs – Hospitals – Interaction of Demand and Supply of Health Care.	15
IV	**Health Infrastructure** Health Infrastructure – Rural – Urban –Government Programmes - Preventive, Promotive and Curative Health Care Services - Health Allocation in Budget	15
V	**Health Services and Medical Insurance** Health Insurance -Types of Insurance Policies in India- Medical Ethics - Medical Tourism.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the importance of Health Indicators.	PO1,PO2
2	Evaluate the components of Demand of Healthcare.	PO3,PO6,PO8
3	Analyze the importance of Supply of Healthcare Services.	PO2,PO6,
4	Review the Existing Health Infrastructure and Budget Allocation.	PO1,PO2,PO8
5	Trace the growth of Medical Tourism in India and understand the need for Health Insurance.	PO1,PO2, PO3,PO4
	Textbooks	
1	Xamer Martinez Giralt (2010), "Principles of Health Economics", Routledge, 2010	
2	Banerjee, D. (1975), social and Cultural Foundations of Health Service Systems of India, Inquiry, Supplement to Vol. XII, June1975	
3	Jay Bhattacharya,Timothy Hyde and Peter Tu, " Health Economics", Palgrave Macmillian,2014	
4	Peter Zweifel, Friedrich Breyer, Mathias Kifmann, "Health Economics, Springer Berlin Heidelberg,2009	
5	Barbara McPake, Charles Normand, Charles E. M. Normand, " Health Economics: An International Perspective", Routlegde, 2008	

Reference Books	
1.	Himanshu Sekhar Rout and Prasant Kumar Panda(2010) Health Economics in India
2.	Edwin G Dolan and John C Goodman
3.	D. Amutha (2016) "A Textbook of Health Economics", Edition 1, Mangalam Publishers and Distributers, Chennai.
4.	Charles E. Phelps, Health Economics", Routlegde,2017
5.	Jan Abel Olsen, "Principles in Health Economics and Policy", OUP Oxford, 2017
Web Resources	
1.	www.census.org
2.	www.NFHS.org
3.	www.NSSO.org
4.	https://tnhealth.tn.gov.in/
5.	https://tnhealth.tn.gov.in/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	3	2	3	3	3
CO 4	3	2	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	15	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	3.0	3.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	1	3	1
CO2	2	2	2	2	2
CO3	2	3	2	3	2
CO4	3	3	3	3	2
CO5	3	3	2	3	3
Weightage	13	14	10	14	10
Weighted percentage of Course Contribution to PSOs	2.6	2.8	2	2.8	2

Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	BASIC ACCOUNTANCY	**SEC-6**					2	2	25	75	100

	Learning Objectives
C1	To provide an understanding on the basic concepts in Financial Accounting
C2	To equipped with basic knowledge about Tally.
C3	To describe the Final Accounts and Balance Sheet Adjustment
C4	To understand the bank Reconciliation Statement and its uses
C5	To use the Tally Software and its applications

UNIT	Contents	No. of Hours
I	**Introduction to Accounting** Definition – Objectives – Functions- Advantages and Disadvantages- Single Entry Book Keeping and Double - Entry Book Keeping.	15
II	**Accounting -Books and Records** Journal – Ledger- Subsidiary Book- Cash Book- Trial Balance – Meaning- Methods of Preparation – Errors- Classification of Errors- Rectification of Errors.	15
III	**Final Accounts** Final Accounts- Preparation of Trading- Profit and Loss Account- Balance Sheet (Simple Adjustments).	18
IV	**Bank Reconciliation Statement** Bank Reconciliation Statement – Need - Meaning- Method of Preparation of Bank Reconciliation Statement	15
V	**Tally Software** Introduction to Accounting Package – Tally- Meaning, Features, Advantages, Data Entry, Formatting Data , Functional Keys and Simple Calculation- Tally: (**Theory for Exam**)	12
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Basic Concepts of Accounting and prepare Book keeping.	PO1,PO3
2	Make Journal and Ledger and Categorize the various subsidiary books of accounts and identify & rectify errors	PO1,PO3
3	Prepare Profit and loss account and Balance Sheet	PO1, PO2,PO3
4	Tabulate Bank Reconciliation Statement.	PO2,PO3
5	Apply Tally Software Package in Accounting	PO3,PO8
Textbooks		
1	Reddy. T.S and Hari Prasad Reddy. Y(2013) Financial and Management Accounting Margham Publications Chennai	
2	Reddy .T.S Murthy(2012) Financial Accounting Margham Publications Chennai	
3	Rajni Sofat, Preeti Hiro,"Basic Accounting", PHI Learning, 2010	
4	Nishat Azmat, Andy Lymer, "Basic Accounting", Mobius, 2016	
5	John J. Wild, Barbara Chiappetta, Ken Shaw, "Fundamental Accounting Principles", Mc Graw Hill, 2016	
Reference Books		
1.	Mukesh Mahajan, P.S.Gills, V.P.Sharma and H.S.Punia(2001), Fundamentals of Accountancy, Unistar Books, Chandigarh.	
2.	Sundeep Sharma (2004) Principles of Accounting, Shree Niwas Publication, Jaipur	
3.	Shukla M.C, T.S. Grawal and S.C. Gupta, (2018),Advanced Accounts,S.Chand and Company	
4.	Maheshwari S.N and Suneel.K.Maheshwari, (2018), Financial Accounting Vikas Publishing House.	
5.	Goyal V.K and Ruchi Goyal, (2012), Financial Accounting, Prentice Hall India Learning Private Limited.	
Web Resources		
1.	https://www.accounting.com/resources/students/	
2.	https://icmai.in.	
3.	https://www.cipfa.org	
4.	https://www.accountingcoach.com/	
5.	https://www.youtube.com/watch?v=OItO9XwgHlI	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	1
CO2	2	2	3	2	2
CO3	3	2	3	2	2
CO4	2	2	3	2	2
CO5	2	2	3	2	2
Weightage	11	10	15	10	9
Weighted percentage of Course Contribution to PSOs	2.2	2	3	2	1.8

S-Strong-3   M-Medium-2   L-Low-1

SECOND YEAR-SEMESTER - IV

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
										Marks	
	Modern Banking and Insurance	SEC-7					2	2	25	75	100

	Learning Objectives
C1	To discern the modern banking and insurance course
C2	To enables the learners understand new financial instruments and banking practices
C3	To know the role of insurance in economic development
C4	To understand the insurance contract and risk management
C5	To know the Major Insurance Legislation in India and its growth

UNIT	Contents	No. of Hours
I	**Banking** Commercial Banks- Functions of Commercial Banks- Private and Public Sector Banks- Credit Creation - Commercial Banks's role- Payment Banks- functions- Digital Banking-Tools – Methods	14
II	**Central Banks** Functions of a Central Bank – Objectives of Monetary Policy – Effects and Limitations – Narasimhan Committee Report.	15
III	**Introduction to Insurance** Insurance: Meaning and Types- Role of Insurance in Economic Development - Saving and Investment Aspects – Social Vs Private Insurance: Life Vs Non-Life Insurance. Classification of Life, Health and General Insurance Policies.	16
IV	**Insurance Contract and Risk Management** Meaning of contract- Insurable Interest- Utmost good faith- Principle of Indemnity and other Principles-Risk Management: Definition and Types- Management of Risk through Identification Analysis and Control.	15
V	**Insurance Business in India** Major Insurance Legislation- Growth of Industry- Agricultural Insurance- Health Insurance- Reinsurance- Entry of Private Insurance Companies- Insurance Act. LIC Act, GIC Act. IRDA Act.	15
	Total	75

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Recollect the financial tools and methods of banking operations	PO1,PO2
2	Understand and describe the central banking operations.	PO1,PO2
3	Explain various types of insurances in Practice	PO1, PO4
4	Evaluate the insurance policies and recommend the right policies for use.	PO1, PO2,PO4,PO7
5	Evaluate the macro level implications of the various insurances.	PO1,PO3,PO8

Textbooks

1	Srivastava P.K. (2013), Banking Theory and Practice, Himalaya Publishing House, New Delhi
2	Heffernan, S. (2005). Modern Banking. John Wiley & Sons
3	Tyagi, C. L., & Tyagi, M. (2007). Insurance Law and Practice. Atlantic Publishers & Dist.
4	J. N. Jain, "Modern Banking and Insurance : Principles and Techniques", Regal publications, 2008
5	Prasada & Radhika Rao, "Trends of Modern Banking", BSP Publication, 2016

Reference Books

1.	Finsinger J. and M.V. Pauly (Eds.) (1986), The Economics of Insurance Regulation: A Cross National Study, Macmillan London.
2.	Sethi, J., & Bhatia, N. (2012). Elements of Banking and Insurance. PHI Learning Pvt. Ltd..
3.	Lewis, M. K. (1992). Modern Banking in Theory and Practice. Revue Economique, 203-227.
4.	Tripathy, N. P., & Pal, P. (2005). Insurance: Theory and practice. PHI Learning Pvt. Ltd.
5.	Muraleedharan, D. (2014). Modern Banking: Theory and Practice. PHI Learning Pvt. Ltd..

Web Resources

1.	https://www.irdai.gov.in
2.	https://rbi.org.in
3.	https://www.studocu.com
4.	https://www.indiapost.gov.in/Financial/Pages/Content/pli.aspx
5.	https://licindia.in/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	2	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	3	3	2	2
CO3	2	2	3	3	2
CO4	3	3	3	3	3
CO5	3	3	3	2	2
Weightage	14	14	15	13	11
Weighted percentage of Course Contribution to PSOs	2.8	2.8	3	2.6	2.2

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	MONETARY ECONOMICS	Core IX					4	5	25	75	100
	Learning Objectives										
C1	To understand the theories that governs and its application										
C2	To explains working of the Monetary System and its uses										
C3	To know the Role of Commercial Banks after Nationalisation and its operations										
C4	To compare the monetarism and Keynesianism										
C5	To identify the role of central banks and its operations										

UNIT	Contents	No. of Hours
I	**Money** Definition, functions, Importance-Forms of Money- Supply of Money (M1, M2, M3, M4)-Crypto Currencies.	15
II	**Demand for Money** Demand for Money: Classical, Keynesian and Baumol's Inventory theoretic Approach- James Tobin's Portfolio Approach - Milton Friedman's Reformulated Quantity Theory.	15
III	**Monetarism Vs Keynesianism** Monetarism Vs Keynesianism- Comparison- Determinants of Money Supply – Money Multiplier. Supply Side Policies of Inflation.	15
IV	**Commercial Banks** Commercial Banks - Credit Creation – Role of Commercial Banks after Nationalisation- RBI's role in Commercial Banks -Narasimhan Committee Report.	15
V	**Monetary Stability and Central Bank** Inflation and Deflation: Definition, Types, Causes and Effects- Demand-Pull and Cost-Push Inflation- Central Bank Functions - Reserve Bank of India (RBI) - Monetary Policy and its Operations in India.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge of Money and its Functions.	PO1,PO2
2	Understand the Demand for Money and its Determinants.	PO1,PO2
3	Acquire information on Supply of Money and its Determinants.	PO1,PO2
4	Understand operations of Commercial Banks and Money Multiplier.	PO1,PO2,PO3
5	Identify the Monetary Policy Implications	PO1,PO2,PO8
Textbooks		
1	Gupta R.D. (1995), Keynes and Post Keynesian Economics, Kalyani Publishers, New Delhi.	
2	Jhingan M. L. (2004), Monetary Economics, Konark Publication, New Delhi.	
3	Jagdish Handa, "Monetary Economics", Talyor & Francis, 2008	
4	L. Blume, Steven Durlauf, " Monetary Economics", Palgrave Macmillan, 2016	
5	Keith Bain, Peter Howells, "Monetary Economics:Policy and Its Theoretical Basis"", Macmillan, 2009	
Reference Books		
1.	Vaish M.C. (2004), Money, Banking and International Trade, New Age International (P) Ltd, New Delhi.	
2.	Sundaram K.P.M. (1996), Money, banking and International Trade, Vikas, New Delhi.	
3.	Basil J. Moore (1965), An Introduction to the theory of Finance, Oxford University Press.	
4.	Sethi, T.T. (2003). Monetary Economics: S. Chand and Co., New Delhi	
5.	Ghosh, B.N. and Rama Ghosh. (1989). Fundamentals of Monetary Economics, Himalaya Publishing House, Mumbai	
Web Resources		
1.	www.rbi.org.in	
2.	https://www.imf.org	
3.	https://www.oecd.org	
4.	https://www.bis.org/publ/work437.pdf	
5.	https://www.worldbank.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	2	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	14	14	15
Weighted percentage of course contribution to POS	2.8	3.0	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	2	3	2	2
CO3	3	2	3	2	2
CO4	3	2	3	2	2
CO5	3	3	3	3	3
Weightage	15	12	15	12	11
Weighted percentage of Course Contribution to PSOs	3	2.4	3	2.4	2.2

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	FISCAL ECONOMICS	Core - X					4	5	25	75	100
Learning Objectives										

	Learning Objectives
C1	To enable students to acquire Knowledge on the various facets of Fiscal Economics.
C2	To illustrates various theories of fiscal economics and its applications
C3	To describes the budget process and features of a good tax system
C4	To analyse the trends in public expenditure and debt management
C5	To evaluate the Budget of the Government of India, central and state relation

UNIT	Contents	No. of Hours
I	**Introduction** Fiscal Economics: Nature, Scope, Objectives and Instruments -Major Fiscal Functions - Market Failure: Public Goods and Private Goods, Externalities, Efficiency Versus Equity- Principles of Functional Finance.	15
II	**Theories of Fiscal Economics and Policy** Principle of Maximum Social Advantage -The Benefit Approach- The Ability-to- Pay Approach-Equal Sacrifice Principle- Fiscal Policy and its Instruments.	14
III	**Budget and Taxation** Role of Government in a Modern Economy- Public Budget: Types and Structure - Taxation - Features of a Good Tax System- Direct and Indirect Taxes -Concept of Impact- Incidence and Shifting of Taxation-Elasticity and Determination of Tax Burden - Optimal Taxation.	16
IV	**Public Expenditure and Debt** Public Expenditure: Canons and Classification -Wagner's Law of Public Expenditure- Public Debt: Meaning and Types, Burden of Public Debt- Principles of Public Debt Management– Deficit Financing.	15
V	**Indian Public Finance** Budget of the Government of India (Previous Financial Year)-Sources of Public Receipts (Tax and Non-Tax, GST and its Impacts)-Components of Public Expenditure-Sources of Public Borrowing and Debt Liabilities-Deficits-Appraisal of FRBM Act 2004- Fiscal Federalism: Centre and State Relations -Finance Commission Recommendations of Last 3 years.	15
	Total	**75**

Course Outcomes		Programme Outcome
CO	On completion of this course, students will	
1	Understand the importance and Instruments of Fiscal Economics.	PO1,PO2
2	Evaluate the Principles and theories of Public Finance.	PO2
3	Analyze the Budget, Indian Tax System and Policy.	PO2,PO3
4	Describe Classification, Laws of Public Expenditure and Public Debt.	PO1,PO2
5	Know the Indian Public Finance System and Policy Recommendations.	PO1,PO3,PO7
Textbooks		
1	Bhatia H.L., (2012), Public Finance, Vikas Publications.	
2	Tyagi B.P and H.P.Singh(2018) " Public Finance" Jai Prakash Nath & Co ,Meerut	
3	Dr. S.K Singh, "Public Finance in theory and Practice", S. Chand Publishing, 2008	
4	Lekhi,"Public Finance", Kalyani Publishers, 2015.	
5	Richard. A. Musgrave & Peggy B. Musgrave, "Public Finance in Theory and Practices", McGraw Hill International Edition, New York,2006.	
Reference Books		
1.	Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications.	
2.	Kaushik Basu and Maertens (Ed), (2013), The New Oxford Companion to Economics in India, Oxford University Press.	
3.	Sury M.M., (1990), Government Budgeting in India, Commonwealth Publishers.	
4.	Andley and Sundaram. (2004). Public Finance, Ratan Prakashan, Agra.	
5.	Mu Raja J. Chelliah, "Fiscal Policy in Underdeveloped Countries", Allen and Moowbray Limited at the Alden Press Oxford, II Edition,2012.	
Web Resources		
1.	https://finmin.nic.in/	
2.	https://www.nipfp.org.in/	
3.	https://www.niti.gov.in/	
4.	https://www.gst.gov.in/	
5.	https://www.indiabudget.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	2	2	3	3	2
CO3	3	3	3	2	3
CO4	2	2	2	2	1
CO5	3	3	2	3	2
Weightage	13	13	13	13	10
Weighted percentage of Course Contribution to PSOs	2.6	2.6	2.6	2.6	2

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	INDUSTRIAL ECONOMICS	Core-XI					4	5	25	75	100

	Learning Objectives
C1	To discuss the Features, Performance and development issues of the Indian Economy
C2	To analyse the various theories of Industrial Location.
C3	To know the licensing policies and industrial sickness
C4	To describe the growth Patterns in Indian Industrial Sector.
C5	To observe the trends and prospects of industrial growth in India

UNIT	Contents	No. of Hours
I	**Introduction** Nature and scope of Industrial Economics - History of Industrial Revolution - Digital Revolution -Classification of Industries: Public Sector, Private Sector and Public Private Partnerships- Large, MSMEs, Cottage Industries- Concept of Plant, Firm and Industry.	15
II	**Theories of Location** Theories of Industrial Location - Weber - Sargant Florence - Factors Affecting Location-Localization -Glocalization of Industries – Decentralization of Industries- Industrial Efficiency and Economic Efficiency- Measures of Concentration - Concentration ratio - Hirschman - Herfindahl Index.	16
III	**Industrial Licensing and Policies** Industrial Licensing – MRTP Act – Industrial Policies -Industrial Productivity - Capacity Utilization - Industrial Sickness- Mergers and Acquisitions – Profitability and Efficiency.	14
IV	Industrial Regions of the World and India -Industrial Clusters in India- Sunrise Sector- Regional Backwardness- Government Initiatives.	15
V	**Growth Trends in India** Industrial Growth in India: Trends and Prospects – Incentives to Promote Industrialization – Ease of Doing Business Ranking - MNCs in India -Special Economic Zones- FDI Policy- Make in India Initiative- National Manufacturing Policy.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1.	Understand the importance of Industrial Economics	PO1,PO2
2.	Examine theories of industrial Location	PO2,PO3
3.	Review the relevance of Industrial Policies	PO1,PO2,PO3
4.	Describe the Industrial belts of the World and India	PO2,PO2
5.	Analyse the Industrial Trends in the Indian Economy.	PO2,PO3
Textbooks		
1.	Ranjana Seth . (2010) Industrial Economics Ane's Student Edition.	
2.	Barthwal R.R (2007) Industrial Economics An Introductory Textbook,New Age International Publishers	
3	Dennis W.Carlton and Jeffrey M.Perloff, Modern Industrial Organisation, Cambridge University Press,2015	
4	Rajesh Kumar R(2021) Industrial Economics and Foreign Trade Jyothis Publishers	
5	Louis Philips, "Applied Industrial Economics", Cambridge University Press, 1998	
Reference Books		
1.	John Weiss (2011) The Economics of Industrial Development, Routledge	
2.	Kuchhal, S. C. Industrial Economy of India, Chaitanya Publishing House, Allahabad (1980)	
3.	Dhingra I.C and Nitin Dhingra (2013) Industrial Economics Book Age Publications	
4.	Martin, S., (2001)Advanced Industrial Economics, 2nd Edition, Wiley-Blackwell	
5.	Paul Belleflameet.l"The theory of Industrial Organisation- Markets and Strategies", Cambridge University Press, 2012	
Web Resources		
1.	https://www.india.gov.in/topics/industries	
2.	https://business.mapsofindia.com/india-industry	
3.	https://dpiit.gov.in/	
4.	https://dri.nic.in/	
5.	https://msme.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	3	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	15	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	3.0	2.8	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3
CO2	3	3	2	2	3
CO3	3	3	2	3	3
CO4	2	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	13	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	2.6	3

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	ENVIRONMENTAL ECONOMICS	Core -XII					4	5	25	75	100

	Learning Objectives
C1	To understand the theoretical basis of Environmental Economics
C2	To choose the relevant economic tools to improve Environmental Quality
C3	To describe the Environment as a Public Good and market failure theories
C4	To doctrine the various methods of environmental valuation and its uses
C5	To know the regulation of Pollution through Economic Instruments

UNIT	Contents	No. of Hours
I	**Fundamentals of Environmental Economics** Definition, Scope and Significance - Environment – Economy Linkages – Material Balance Approach - Malthusian and Neoclassical perspective of Environment - Sustainable Development - Environment Kuznets Curve.	15
II	**Economics of Natural Resources** Classification of Natural Resources - Scarcity and Measurement - Economics of Exhaustible Resources - Economics of Renewable Resources.	15
III	**Market Failure** Environment as a Public Good - Tragedy of Commons-Externalities - Pigouvian Fee and Coase theorem on Property Rights.	12
IV	**Valuation of Environment** Total Economic Value - Contingent Valuation Method – Stated Preference - Travel Cost Model - Hedonic Pricing - Economics of Sustainable Development - Green Accounting – Ecological Footprint, Carbon Footprint, Ecological Shadow.	18
V	**Economics of Pollution Control** Optimal level of Pollution - Regulation of Pollution through Economic Instruments - Command and Control Approach.	15
	Total	

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Have a better understanding of Environment-Economy Linkages.	PO1, PO2,PO5
2	Apply environmental concepts to Economic Theories.	PO2,PO3
3	Create economic policies incorporating Environmental Issues.	PO5, PO7
4	Analyse the methods to value Environment Pollution.	PO2,PO3
5	Evaluate the need for reduction of Pollution.	PO2,PO7
Textbooks		
1	Karpagam. M, (2017), Environmental Economics–Third Edition, Sterling Publication Pvt. Ltd, Noida.	
2	Nick Hanley, Jason Shogren and Ben White, (2013), Introduction to Environmental Economics, Second Edition, Oxford University Press, Oxford.	
3	Eugine .T Environmental Economics, Oxford University Press, New Delhi. (2014),	
4	Hanley N, Shogren JF, White B "Environmental Economics in Theory and Practice", 2nd Edition. Palgrave Macmillan, 2007	
5	Kolstad, Charles D, (2000), Environmental Economics, New York: Oxford University Press,	
Reference Books		
1.	Maureen L. Cropper and Wallace E. Oates, "Environmental Economics: A Survey", Journal of Economic Literature, Volume 30, 1992,	
2.	Barry C. Field, (1994)Environmental Economics: An Introduction, Singapore, McGraw-Hill,	
3.	Hussen, Ahmed.M.(1999), Principles of Environmental Economics: Economics, Ecology and Public Sector. London: Routledge.	
4.	Dr.S.Sankaran(2012) Environmental Economics Margham Publications.	
5.	Mark Maslin(2014) "Climate Change: A Very Short Introduction 3rd Edition Oxford University Press.	
Web Resources		
1.	https://unfccc.int/	
2.	https://www.undp.org/	
3.	http://moef.nic.in/	
4.	https://www.envis.nic.in	
5.	https://www.unep.org	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	14	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3
CO2	3	3	2	2	3
CO3	3	3	2	3	3
CO4	2	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	13	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	2.6	3

S-Strong-3   M-Medium-2   L-Low-1

UG Project work (Individual)

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	TAMIL NADU ECONOMY	**Discipline Specific Elective -V**					4	5	25	75	100

	Learning Objectives
C1	To discuss the Features, Performance and development issues of Tamil Nadu Economy
C2	To analyse the agricultural and industrial scenario in Tamil Nadu
C3	To understand the industrial scenario in tamil nadu and its growth
C4	To know the general performance of the tamilnadu
C5	To describe the state finances and its development initiatives

UNIT	Contents	No. of Hours
I	**Introduction** Tamil Nadu–Salient features–Geographical Features – Economic and Social Indicators –Human Development – Index Rank–Gender Disparity Index–Poverty Index –Work Participation Rate – Unemployment Rate – Literacy Rate– Life Expectancy – Demography and Occupational Patterns.	15
II	**Agriculture** Agriculture–Land Use Patterns– Cropping Pattern–Irrigation - Agricultural Marketing – Defects and Remedial measures – Agricultural Finance – Policy and Issues –Crop Insurance.	16
III	**Industry** Industrial Scenario in Tamil Nadu – Production Trends—Large Industries- MSMEs –Khadi and Village Industries – Export Contribution of top 5 Major Industries - Industrial Financial Institutions: TIIC, SIDCO, SIPCOT, Industrial Estates-DIC, EPZ, SPZ, SEZ.	14
IV	**State Finances and Development Initiatives** State Finance – Revenue and Expenditure of the State – Tamil Nadu's Recent Budget – Poverty Alleviation and Unemployment Programmes – Education and Health Care and State Welfare Programmes.	15
V	**General Performance of the State** Tourism and Medical Tourism – Women Empowerment Programme – Self Help Groups and Micro Finance-MahalirThittam - Environmental Protection Measures.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand salient features, Poverty, Unemployment of Tamil Nadu Economy	PO1,PO2
2	Examine the Issues in Indian Agriculture, Land Use Patterns, finance and Insurance	PO2,PO3
3	Grasp the Industrial Scenario in Tamil Nadu	PO1,PO7 ,PO8
4	Describe the status of State Finances and Development Programmes of Tamil Nadu	PO2,PO3
5	Analyse the overall performance of Tamil Nadu Economy.	PO3,PO7,PO8
	Textbooks	
1	Leonard A.G,S.J, (2006), Tamil Nadu Economy, Macmillan India Ltd, New Delhi	
2	Naganathan M (2002), Tamil Nadu Economy: Trends and Prospects,(ed.), University of Madras.	
3	Rajalakshmi N, (1999), Tamil Nadu Economy, Business Publishers, Bombay.	
4	Kuppusamy.K, "Socio-Economic Development Of India, Sharadha Publications, 2014	

5	S. Perumalsamy, " Economic Development of Tamil Nadu",S.Chand & Company,1985
Reference Books	
1.	Veeramani A.R., Tamil Nadu Agricultural Economy,Divyasre Publication,2015
2.	Manickam.S, (2010), Tamil Nadu – An Economic Appraisal, Department of Evaluation and Applied Research, Panorama of Indian Economy.
3.	Madras Institute of Development Studies, (1988), Tamil Nadu Economy: Performance and Issues, Oxford and IBH Publishing Company Pvt. Ltd., New Delhi
4.	Kurien C.T and James Joseph (1979), "Economic Change in Tamil Nadu: A Regionally and Functionally Disaggregated Study", Allied Publishers Pvt. Ltd. New Delhi.
5.	
Web Resources	
1.	www.tn.gov.in
2.	http://tnenvis.nic.in/
3.	https://www.msmeonline.tn.gov.in/
4.	https://ctd.tn.gov.in
5.	https://www.tamilnadutourism.tn.gov.in

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	2	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	14	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	3	3	2
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	15	11	15	14
Weighted percentage of Course Contribution to PSOs	3	3	2.2	3	2.8

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	MANAGERIAL ECONOMICS	Discipline Specific Elective-V					3	5	25	75	100
Learning Objectives										
C1	To develop analytical and problem-solving skills among the students.										
C2	To enable students to Capital Budgeting and its concepts.										
C3	To understand the cost controls measures and its uses										
C4	To know the Demand for Durable and Non-Durable Products										
C5	To familiarize students of Pricing Policies and its Practices.										

UNIT	Contents	No. of Hours
I	**Introduction** Nature and Scope of Managerial Economics - Meaning - Characteristics–Importance–Role and Responsibilities of Managerial Economist – Basic Economic Tools in Managerial Economics.	15
II	**Demand, Cost and Profit Analysis** Demand for Durable and Non-Durable Products, Demand Forecasting Techniques -Statistical and Non-Statistical Techniques -Cost Estimation - Cost-Volume-Profit Analysis (Break Even Analysis)- Objectives and Assumptions; Determination of Break Even Point, Limitations	15
III	**Pricing Policies and Practices** Objectives - Popular Pricing Methods and Strategies- Price Discounts and Differentials- Pricing by Manufacturers and Retailers- Price Forecasting.	12
IV	**Capital Budgeting** Capital Budgeting: Need for capital budgeting- Different steps in Capital Budgeting- - Appraisal Methods – Payback Method, Accounting Rate of Return, Net Present Value method, Internal Rate of Return Method, Cost–Benefit Method - Capital Rationing.	18
V	**Cost of Capital** Sources of Funds for Long Term Financing-Cost of Debt Capital -Cost of Preferred Stock -Cost of Equity Capital or Common Stock-Cost of Retained Earnings.	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Micro Economic Principles and applying it in Business Decision.	PO1,PO2
2	Examine the concepts of Demand, Cost and Profit	PO1,PO2
3	Determine and analyse the various Pricing Techniques.	PO2, PO3
4	Appraise the Project Proposals	PO4,PO3
5	Understand the sources of Finance for Business.	PO2, PO3
Textbooks		
1	Varshney R.L., and Maheshwari K.L. (1997), Managerial Economics, Sultan Chand, N Delhi	
2	Mehta P.L (1997), Managerial Economics, Sultan Chand, New Delhi.	
3	William F. Samuelson, Stephen G. Marks, "Managerial Economics", Wiley,2014	
4	Michael R Baye, Managerial Economics & Business Strategy – Mc. Graw Hill, USA, 5th Edition 2006.	
5	Yogesh, Maheshwari, Managerial Economics, PHI Learning PvtLtd,2013	
Reference Books		
1.	Dominic Salvatore, (1993), Managerial Economics, McGraw Hill Inc, New York	
2.	Ahuja. H. L. (2004), Business Economics, S. Chand & Co, New Delhi.	
3.	L. Trivedi (2002), Managerial Economics: Theory and Applications Tata McGraw Hill.	
4.	Dwivedi D.N (2000), Managerial Economics, Vikas Publishing House Pvt Ltd	
5.	Gregory Mankiw(2008) Economics: Principles and Applications, New Delhi, Cengage Learning India.	
Web Resources		
1.	http://economics.about.com/od/pricing	
2.	www.rbi.org	
3.	https://nptel.ac.in/courses/110101005	
4.	https://www.managementstudyguide.com/managerial-economics	
5.	https://hbr.org/1976/11/pricing-policies-for-new-products	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	2
Weightage	15	13	13	15	14
Weighted percentage of Course Contribution to PSOs	3	2.6	2.6	3	2.8

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER-V

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	OPERATIONS RESEARCH	**Discipline Specific Elective-VI**					3	5	25	75	100
	Learning Objectives										
C1	To enable students to understand the rational decision making in practice										
C2	To understand use of key concepts such as Linear Programming and its applications,.										
C3	To probe the Transportation Assignment CPM,PERT and Queuing										
C4	To provide understanding about making Rational Decisions in Practice.										
C5	To provide knowledge on acquiring Entrepreneurial Skills.										
UNIT	**Contents**										**No. of Hours**
I	**Introduction to Operations Research** Operations Research – Definition–Methodology – Tools- Types of Operations Research Models-Operations Research and Decision Making - Limitations.										12
II	**Linear Programming Problem** Definition –- Applications- Assumptions -Formulation- -Graphical solution – Maximization and Minimization- Simplex Method (2 Variable)										15
III	**Transportation and Assignment** Introduction – Matrix Formulation of a Transportation Problem– North West Corner Entry Method – Vogel's Approximation Method- Initial Basic Feasible Solution (basic problems) - Assignment – Introduction – Balanced and Unbalanced Assignment Problem – Solution using Hungarian Assignment Method.										18
IV	**Decision Theory** Decision Making under Risk and Uncertainty-Decision Tree Analysis-Network Analysis –Basic Concepts: CPM – PERT										15
V	**Queuing Theory** Queuing Theory - Basic Concepts -Traffic Intensity– Idle Rate- Single Channel - Number of Customers in Line and System - Time Spent by the Customers in Line and System - Probability of Customers' Waiting.										15
	Total										**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the Characteristics and Methodology of Operations Research.	PO1,PO3
2	Analyse constraints in optimization using LinearProgramming	PO2,PO3
3	Examine the role of various Transportation Model and Optimum cost in Assignment	PO2,PO3
4	Take appropriate decisions under conditions of risk and Uncertainty	PO3,PO4
5	Evaluate the costs involved in Queuing	PO2,PO3
Textbooks		
1	Vittal P.R, (2019), Introduction to Operations Research, Margham Publications	
2	Gupta P.K and Manmohan, (2019), Operations Research Sultan Chand, New Delhi	
3	G. Srivivasan, "Operations Research: Principles and Application", Prentice Hall India Pvt., Limited, 2017	
4	Ravindran, Phillips, Solberg, "OPERATIONS RESEARCH: PRINCIPLES AND PRACTICE", 2ND ED, Wiley, 2007	
5	P. RamaMurthy, "Operations Research",New Age International, 2007	
Reference Books		
1.	Chawla K.K ,Vijay Gupta and Bhushan K.Sharma (2015) Introduction to Operations Research, Kalyani Publishers	
2.	HamdyaTaha,(2017)Operations Research: An Introduction, 10th Edition, Pearson	
3.	Kapoor V.K.(2017) Operations Research, Sultan Chand and Sons, New Delhi,	
4.	Gupta P.K & Manmohan(2003) Problems in Operations Research (Methods and Solutions), Sultan Chand and Sons, NewDelhi	
5.	Panneerselvam R.(2018) Operations Research, Prentice-Hall India,	
Web Resources		
1.	https://www.edx.org/course/operations-research-an-active-approach	
2.	https://www.theorsociety.com/resource-centre/teaching-resources/	
3.	https://or.stackexchange.com/questions/4277/operations-research-self-study-resources-for-beginners	
4.	https://www.notes4free.in/admin/postimages/OR%20NOTES.pdf	
5.	https://youtu.be/x-Wx9KLRBpk	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	15	15	15	14	14	15	14	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	2.8	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	2
CO2	3	3	3	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	15	11	15	14
Weighted percentage of Course Contribution to PSOs	3	3	2.2	3	2.8

S-Strong-3   M-Medium-2   L-Low-1

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	GENDER ECONOMICS	Elective					3	5	25	75	100

	Learning Objectives
C1	Students will be able to sensitize on issues that is related to gender
C2	To understand the conceptual clarification of women and work
C3	To analyse the Women in Organized and Unorganized Sectors in an Economy
C4	Identify the marginalization of women in economic theory and in the economy
C5	Incorporate gender in mainstream policy making

UNIT	Contents	No. of Hours
I	**Introduction to Gender Analysis and Economics** Definition - Gender - Gender Analysis: Purpose and Scope - Feminist Perspective in Economics - Classical and Neoclassical Economics- Post Keynesian Economics-Economic Measurements - Empirical Challenges.	12
II	**Development and Anti - Development** Development Versus Anti-Development - Women In Development (WID)- Women and Development (WAD)-Gender And Development – Women And Empowerment-Women And Environment – Ecofeminism.	15
III	**Women and Work – A Conceptual Clarification** Invisibility of Women – "Statistical Purdah" - A Critique of Methods, Concepts, Definitions Employed in Economic Theory- A Critique of The Data System In India (Application) - Measures To Rectify This Invisibility	18
IV	**Marginalization of Women** Women Sidelined – Gender – Discrimination Theories - Women in The Labour Market – Sexual Division of Labour, Wage Differentials, Micro Credit - Women in The Organized and Unorganized Sectors Of The Indian Economy (Application) - Feminization Of Work and Feminization Of Poverty	15
V	**Gender, The Economy and Related Issues** Population – Demographic Features - Health and Education - Policy Measures – Government and NGOs– Gender Budgeting	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Recognize needs for Gender Analysis	PO1,PO5
2	Analyze the role of gender in development	PO1,PO2,PO5
3	Identify the reasons behind the marginalization of women	PO2,PO5
4	Formulate policies to include the excluded	PO5, PO7
5	Integrate gender in Mainstream Economics	PO3, PO7
Textbooks		
1	Jaya Shrivatsava(2018) Gender Discrimination and Inequality in Contemporary India: Dimensionsand Voices of Protests, Kalpaz Publications.	
2	Caroline Criado Perez(2019) Invisible Women: Data Bias in a World Designed for Men, Harry N.Abrams.	
3	Mukesh Eswaran (2020)Why Gender Matters in Economics Princeton University Press	
4	K.R.Gupta, "Gender Problems and Policies", Atlantic, 2009.	
5	Joyce Jacobsen , "The Economics of Gender", Wiley – Blackwell Publisher 3rd Edition, 2007	

Reference Books	
1.	GOI (1987), Shram Shakti, Report on the National Commission on Self – employed Women and Women in the Informal Sector New Delhi.
2.	Julie A Nelson (1996), Feminism, Objectivity and economics, Routledge, London.
3.	Krishnaraj,Maithreyiand JoyP. Deshmukh(1991), Gender in Economics, Ajantha Publishers, New Delhi
4.	Loutfi,MF(ed.)(2002),Women,Gender&Work,Rawat Publishers, New Delhi
5.	Krishnaraj, M., and M.P.D. Joy. Gender in Economics. Ajantha, New Delhi, 1991
Web Resources	
1.	https://www.unwomen.org/en/how-we-work/intergovernmental-support/world-conferences-on-women
2.	https://wcd.nic.in/
3.	https://www.tn.gov.in/department/30
4.	http://icds-wcd.nic.in/
5.	http://ncw.nic.in/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	2	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	14	15	10	15	15
Weighted percentage of Course Contribution to PSOs	2.8	3	2	3	3

S-Strong-3   M-Medium-2   L-Low-1

Value Education

Summer Internship / Industrial Training

IRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
	INTERNATIONAL ECONOMICS	Core-XIII					4	6	25	75	100

	Learning Objectives
C1	To evaluate critical overview of International Trade theories
C2	To understand the Foreign Exchange Market and its operations
C3	To know the BOP disequilibrium and International Trade Policy.
C4	To impart knowledge on Foreign Exchange Market and its concepts
C5	To familiarize students on Trade Policies

UNIT	Contents	No. of Hours
I	**Introduction** Nature and Scope of International Economics -The Globalization of the World Economy - International Trade and the Nation's Standard of Living - International Trade Policy - Current International Economic Problems and Challenges.	15
II	**International Trade Theories** Absolute Advantage: Adam Smith - Comparative Advantage: David Ricardo - Opportunity Cost: Haberler - Reciprocal Demand: Mill - Offer Curves: Marshall - Factor Endowments: Heckscher-Ohlin - Leontief Paradox - Economic Growth and International Trade.	14
III	**Foreign Exchange Market** Foreign Exchange Market: Function and structures - Exchange Rates: Fixed, Flexible, Floating, Pegged, Nominal and Real Exchange Rates - Theories of Exchange Rates: Mint Parity Theory, Purchasing Power Parity Theory, and Balance of Payments Theory.	16
IV	**Balance of Payments** The Balance of Payments Account - Equilibrium and Disequilibrium in BOP - Surplus and Deficit in BOP-Adjustment Mechanism: Direct and Indirect Mechanisms– Export Promotion and Import Substitution.	15
V	**Terms of Trade and Trade Policy** Terms of Trade: Concept and Determinants - Terms of trade and Economic Development - Tariff and Non-Tariff Barriers – Effects – Quotas - Import Quotas Vs Tariffs - Free Trade and Economic Development-Free Trade Vs Protection.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Develop ideas of the basic characteristics of Globalisation of the World Economy and its current international economic problems and challenges.	PO1
2	Grasp the basic theories of International Trade and Economic Growth.	PO1
3	Understand the functions, structure and theories of Foreign Exchange Market.	PO1,PO2,PO3
4	Describe the BOP disequilibrium, Adjustment Mechanism, Export Promotion and Import Substitution.	PO2,PO3
5	Outline the concepts of terms of trade and assess the Tariff, quotas, Free trade and economic development	PO1,PO2
Textbooks		
1	Mithani D.M (2002), Introduction to International Economics, Vora & Co Publishers, Bombay.	
2	Dwivedi, D. N. (2013). International Economics: Theory and Policy. Vikas Publishing House, New Delhi.	
3	Cherunilam, Francis (2006). International Economics, Tata McGraw-Hill Publishing Co. Ltd., New Delhi	
4	M.L Jhingan, " International Economics", Vrinda publications, 2016	
5	K.R.Gupta, International Economics, Atlantic Publishers, 2017	
Reference Books		
1.	Paul Krugman, Maurice Obstfeld, and Marc Melitz, (2012), International Economics: Theory and Policy, Addison-Wesley (Pearson Education Indian Edition), 9th edition.	
2.	Kindleberger, C.P (1977). International Economics, D.B. Taraporevala Sons and Co. Pvt. Ltd., Bombay	
3.	Leamer, E. E., & Stern, R. M. (2017). Quantitative International Economics. Routledge.	
4.	Salvatore, D. (2016). International Economics.John Wiley & Sons.	
5.	Jones, R. W., Grossman, G. M., Kenen, P. B., Rogoff, K., Gopinath, G., &Helpman, E. (Eds.). (1997). Handbook of International Economics (Vol. 3). Elsevier.	
Web Resources		
1.	https://www.imf.org	
2.	https://www.forextime.com/education/forex-trading-for-beginners	
3.	https://www.weforum.org/	
4.	https://www.wto.org/	
5.	https://policy.trade.ec.europa.eu/eu-trade-relationships-country-and-region/negotiations-and-agreements_en	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	15	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	3.0	2.8	2.8	2.8	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	2
CO3	3	3	2	3	2
CO4	3	3	3	2	2
CO5	3	3	2	3	3
Weightage	15	15	12	14	12
Weighted percentage of Course Contribution to PSOs	3	3	2.4	2.8	2.4

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	DEVELOPMENT ECONOMICS	Core -XIV					4	6	25	75	100

	Learning Objectives
C1	To focuses on themes that cut across core values in development economics
C2	To describes the various approaches and theories of development.
C3	To analyze the significance of Development Models in Economic Planning
C4	To enable the students to know about Development and Growth Models.
C5	To probe the role of Financial System in Economic Development

UNIT	Contents	No. of Hours
I	**Introduction** Meaning and Nature of Development Economics – Core values of Development- Amartya Sen's Approach – Economic Growth Vs. Development – Progress and Economic Welfare – Comparative Economic Development.	12
II	**Theories of Economic Growth and Development – I** Rostow's stages of Growth – Big Push Theory - Theory of Critical Minimum Effort - Utilisation of Surplus Manpower – Lewis Theory, Nurkse Theory - Rural Urban Migration – Harris-Todaro Model.	15
III	**Theories of Economic Growth and Development – II** Harrod-Domar Model (Critical Expansion and Growth) - - Solow Model of Growth - Technical Progress and Growth - Human Capital and Growth - Myrdal Model (Cumulative Causation Thesis) - Kaldor Model (Model of Distribution).	18
IV	**Development Planning** Development Planning – Concept and Rationale- Basic Models of Development Planning process – Government Failure and Market Economy – Role of NGOs in Economic Development – Trends in Governance and Reforms.	15
V	**Financing Economic Development** Role of Financial System in Economic Development – Formal Versus Informal Finance – Micro Finance – Foreign Finance – Foreign Aid - Development Assistance Debate.	15
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Outline the central themes and approaches to Development.	PO1,PO2
2	Compare and contrast the theories of Growth and Development	PO1,PO2,PO3
3	Critically analyse various Models of Growth.	PO2,PO3,PO7
4	Examine the welfare impact of Development Planning and proposed development interventions by different institutions	PO1, PO2,PO3,PO7
5	Evaluate the source and significance of Finance in Economic Development	PO3,PO4
Textbooks		
1	Ahuja H.L. (2016), Development Economics, S. Chand and Company Ltd.	
2	Jhingan M.L. (2016), Economics of Development Planning, Himalaya Publication House, 41stEdition.	
3	Dutt, A. (2003). Development Economicsand Structuralist Macroeconomics. Edward Elgar Publishing.	
4	Debraj Ray, "Development Economics", Oxford IndianPaperbacks,1998	
5	Alain de Janvry, Elisabeth Sadoulet,"Development Economics:Theory and Practice", Talyor & Francis, 2021	
Reference Books		
1.	Todaro Michael and C Smith Stephen (2017) Economic Development, Pearson, 12thEdition	
2.	Taneja & R. M. Myre M.L. (2017), Economics of Development and Planning, Vikas Publishing Co., 15thEdition	
3.	Kulwant Rai Gupta (2006& 2009), Economics of Development & Planning (Vol. 1& Vol.2), Atlantic Publishers and Dist.	
4.	Huq, M. M., Clunies-Ross, A., & Forsyth, D. (2009). Development Economics. McGraw Hill.	
5.	Meier, G. M., & Stiglitz, J. E. (Eds.). (2001). Frontiers of Development Economics: the future in perspective. World Bank Publications.	
Web Resources		
1.	https://web.mit.edu/krugman/www/dishpan.html	
2.	http://www.niti.gov.in/	
3.	https://ida.worldbank.org/en/what-is-ida	
4.	https://www.trade.gov/	
5.	https://www.saarc-sec.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	2	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	2.8	2.8	3.0	2.8	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	2	3	2	3	2
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	3
Weightage	14	15	13	15	13
Weighted percentage of Course Contribution to PSOs	2.8	3	2.6	3	2.6

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	AGRICULTURAL ECONOMICS	Core -XV					4	6	25	75	100

	Learning Objectives
C1	To probe into the various issues in agricultural Labour
C2	To understand the marketing, Finance and Price Policy of Agriculture
C3	To study the impact of Agriculture on Indian Economic Scenario.
C4	To assess the Sustainable agriculture Development In india
C5	To familiarize students about the significance of Sustainable Agriculture.

UNIT	Contents	No. of Hours
I	**Introduction** Scope and significance of Agriculture- Role of Agriculture in India's Development- Inter-sectoral Linkages - Farm Management: Definition and Principles-Management of Risks in Agriculture.	12
II	**Agricultural Labour** Agricultural labour: Definition - Types – Supply of Labour –Problems - Rural Unemployment: Types, Consequences and Remedial Measures- Minimum Wages for Agricultural Workers– Recent Wage and Self-Employment Programmes	15
III	**Agricultural Finance** Agricultural Finance: Meaning, Nature, Types, Sources and Problems of Agricultural Finance- Cooperatives in Rural Finance- Role of Commercial Banks and NABARD – Farm Capital - Meaning, Types and Marginal Efficiency of Farm – Agricultural Capital Formation	15
IV	**Agricultural Price Policy** Objectives and need of Agricultural Price Policy – Stability and Trends in Agricultural Prices – Evaluation of Agricultural Price Policy in India – Agricultural Exports - Current Issues in Indian Agriculture.	15
V	**Sustainable Agriculture and Food Security** Development issues: Poverty, Inequality, Unemployment and Environmental Degradation - Green Revolution: Recent Developments– Methods and Issues - Population and Food Supply- Food Security and Public Distribution System in India.	18
	Total	**75**

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Understand the relevance of Agricultural Economics and Development	PO1,PO2
2	Examine the importance of Agricultural Labour in Rural Development	PO1,PO2
3	Identify the sources and importance of Agricultural Finance.	PO3, PO7
4	Analyze the trends in Agricultural Prices	PO1, PO2,PO3
5	Evaluate the Major issues pertaining to Agriculture.	PO3,PO4
Textbooks		
1	Lekhi R.K. and Joginder Singh, (2015), Agricultural Economics: An Indian Perspective, Kalyani Publishers, Ludhiana.	
2	Sadhu An, Singh Amarjit and Singh Jasbir, (2014), Fundamentals of Agricultural Economics, Himalaya Publishing House, Delhi	
3	Mridula Mishra, (2010), Agriculture and Food Economics, Serials Publication, New Delhi.	
4	John B.Penson,Jr, Oral Capps, Jr, C.ParrRosson III, Richard. T. Woodward, "Introduction to Agricultural Economics", Pearson Publications,2017.	
5	Dr.B.P.Tyagi, "Agricultural Economics & Rural Development", Jai Prakashnath& Co., 2017.	
Reference Books		
1.	Janardhana Rao. N, (2005), Indian Agriculture: Issues and Perspectives, ICFAI University Press, Hyderabad.	
2.	Gray, L. C. (2013). Introduction to Agricultural Economics. Read Books Ltd.	
3.	Barkley, A., & Barkley, P. W. (2016). Principles of Agricultural Economics. Routledge.	
4.	Cramer, G. L., Jensen, C. W., & Southgate Jr, D. D. (2001). Agricultural Economics and Agribusiness (No. Ed. 8). John Wiley and Sons.	
5.	Colman, D., & Young, T. (1989). Principles of Agricultural Economics: Markets And Prices In Less Developed Countries. Cambridge University Press.	
Web Resources		
1.	https://icar.org.in/	
2.	https://www.icrisat.org/	
3.	https://www.nabard.org/	
4.	https://www.fao.org	
5.	https://farmer.gov.in/mspstatements.aspx	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	3	2	2	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	15	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	2	3	2	3	2
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	3	3
Weightage	14	15	13	15	13
Weighted percentage of Course Contribution to PSOs	2.8	3	2.6	3	2.6

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	BASIC ECONOMETRICS	Discipline Specific Elective- VII					3	5	25	75	100

	Learning Objectives
C1	To analyse the Economic Relationship mathematically.
C2	To estimate testing hypotheses, forecasting which helps in Policy Decision Making
C3	To understand the application of economic theories in real time situations
C4	To evaluate the Violation of Assumptions in econometric applications
C5	To understand and analyze various Econometric Models and its application.

UNIT	Contents	No. of Hours
I	**Introduction** Definition – Scope – Divisions – Objectives – Use of Econometrics – Econometrics and Mathematical Economics – Econometrics and Statistics – Methodology of Econometrics - Basic ideas of Linear Regression Model–Two variable Model, Population regression Function (PRF), Sample Regression Function (SRF) – Error term U – significance - Stochastic form of PRF and SRF.	12
II	**Estimation** Classical Linear Regression Model – Assumptions – Method of Ordinary Least Squares (OLS) – Derivation of OLS Estimators - Derivation of variance and Standard error of OLS estimators (Simple Linear Regression) – Properties of OLS estimators- Gauss–Markov Theorem – Proof – Three Variable Model estimation (Basic Idea only) – Hypothesis Testing (t and F test)–Test of Goodness of Fit R^2 and Adjusted R^2.	18
III	**Violation of Assumptions** Multi-collinearity: Nature, Consequences, detection and Remedial Measures- Heteroscedasticity: Nature-Consequences Detection and Remedial Measures- Autocorrelation: Nature, Consequences, Detection and Remedial Measures.	15
IV	**Functional Forms and Dummy Variables** Regression through the origin - Double Log Model – Measurement of Elasticity – Semi log model – Measurement of Growth. Dummy Variables – ANOVA and ANCOVA Models – Dummy Variable Trap – Uses – Interaction Effects – Structural Changes – Seasonal Variations – Piecewise Linear Regression. Autoregressive and Distributed Lag Model – Ad Hoc Method of Estimation – Koyck Transformation – Mean and Median Lag.	15
V	**Simultaneous Equation Model** Simultaneous Equation Model:Definition and Examples – Simultaneous Equation Bias – Structural and Reduced Form Equations – Identification – Rank and Order Condition – Indirect Least Square Estimation – Two Stage Least Square Estimation.	15
	Total	75

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Understanding the importance of Econometrics.	PO1,PO3
2	Learning the estimation techniques of measuring relationship among economic variables.	PO1,PO3

3	Developing skills of interpretation.	PO3,PO8
4	Construct models in the testing of theories.	PO2, PO3, PO7
5	Application of real data for policy suggestions.	PO2,PO3,PO8

Textbooks

1	Gujarathi, D. M. (2022). Gujarati: Basic Econometrics. McGraw-hill.
2	Ramanathan, R. (1992). Introductory econometrics with applications. Dryden Press.
3	MaddallaG.S.(2001) Introduction to Econometrics, Third Edition ,Wiley India
4	Koutsoyiannis. "A, Theory of Econometrics", Palgrave, Delhi.
5	M.Wooldridge, "Introductory Econometrics: A Modern Approach", Jeffery 5th Edition 2013.

Reference Books

1.	Dominick Salvatore and Derrick Reagle, Statistics and Econometrics, Tata McGraw Hill (Schaum's Series).
2.	Damodar, N. (2009). Basic Econometrics Fifth Edition. McGraw-Hill.
3.	Moody, C. (2009). Basic econometrics with STATA. Economics Department. College of William and Mary.
4.	Johnson Jr, A. C., Johnson, M. B., & Buse, R. C. (1987). Econometrics: Basic and applied. New York.
5.	Hill, R. C., Griffiths, W. E., & Lim, G. C. (2018). Principles of econometrics. John Wiley & Sons.

Web Resources

1.	https://nptel.ac.in/courses/111104072
2.	http://home.iitk.ac.in/~shalab/onlinecoursematerial
3.	https://nou.edu.ng/coursewarecontent/ECO%20355_0.pdf
4.	https://www.economtericssociety.org
5.	https://economicsnetwork.ac.uk

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	2	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	2	3
Weightage	14	14	14	14	15	15	14	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	3	3	2	3	2
CO5	3	2	3	2	2
Weightage	15	14	11	14	13
Weighted percentage of	3	2.8	2.2	2.8	2.6

Course Contribution to PSOs					

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	BEHAVIOURAL ECONOMICS	**Discipline Specific Elective-VII**					3	5	25	75	100
Learning Objectives										
C1	To provide an overview of how Behavioural Principles in economics										
C2	To apply behavioural approaches to economic Problems										
C3	To know the Nature and Components of mental accounting										
C4	To impart knowledge on how people's behaviour influence Decision Making.										
C5	To analyze the Behavioural Economic Models.										
UNIT	**Contents**									**No. of Hours**	
I	**Introduction** History and Evolution of Behavioural Economics - Neoclassical Concept and Criteria for Economic Rationality - Causes of irrationality – Herbert Simon -Bounded Rationality Methods used in Behavioural Economics									15	
II	**Heuristics & Biases** Advantages and Disadvantages of Heuristics - Availability Heuristic - Anchoring Heuristic - Representative Heuristic - Self Evaluation Biases and Projection Bias									14	
III	**Animal Spirits and its impact on Economic Decisions** Confidence – its feedback mechanism that amplifies disturbances - Fairness – Its influence in setting wages and prices - Corruption and Antisocial behaviour - Money Illusion – Improper interpretation of inflation and deflation									15	
IV	**Prospect Theory** Conventional approaches to modifying Expected Utility theory - Prospect theory and Endowment effect - Reference points and Loss Aversion - Shape of the utility function - Decision weighting									16	
V	**Mental Accounting** Nature and Components of mental accounting - Framing and Editing - Budgeting and Fungibility - Choice Bracketing and Dynamics									15	
	Total									**75**	

	Course Outcomes	Programme Outcome
CO	On completion of this course, students will	
1	Understand the flexibility and limitations of the economic approach to modelling behaviour and demonstrate knowledge of the evolution and methods used in behavioural economics	PO1,PO3
2	Identify ways in which individuals are systematically irrational	PO1,PO2
3	Know how to use existing behavioural models to understand new economic phenomena and analyse how deviations in rationality impact economic decisions.	PO2,PO3
4	Apply Prospect Theory to understand how people make decisions when presented with alternatives that involve risk, probability and uncertainty.	PO3,PO4,PO7
5	Understand and apply in policy the different aspects of the concept of mental accounting	PO3,PO7,PO8
Textbooks		
1	Phillip Corr and AnkePlagnolBehavioral Economics: The Basics 1st Edition, Kindle Edition, Routledge, 2018	
2	Dan Ariely Predictably Irrational: The Hidden Forces That Shape Our Decisions, Harper Collins, 2009.	
3	David CorrellBehavioral Economics: Psychology, Neuroscience, and The Human Side of Economics (Hot Science) Icon Books Ltd, 2021	
4	SanjitDhami.,The Foundations of Behavioral Economic Analysis, Oxford University Press,2016	
5	Brandon Lehr, "Behavioral Economics Evidence, Theory, and Welfare", Talyor & Francis, 2021	
Reference Books		
1.	Nick Wilkinson and Matthias Klaes (2012) An Introduction to Behavioural Economics 2nd Edition, Palgrave Macmillan, London	
2.	David R. Just(2014) Introduction to Behavioural Economics, Wiley Publication, New Jersey	
3.	Colin F.Camerer, George Loewenstein and Matthew Rabin(2003) Advances in Behavioural	
4.	Frank Robert H (2015) Microeconomics and Behaviour, McGraw Hill Education, New York, 2015	
5.	Thaler, Richard H (2016) The Making of Behavioural Economics - Misbehaving, WW Norton & Co, Penguin, London	
Web Resources		
1.	www.behavioraleconomics.com/BEGuide2017.pdf	
2.	academic.oup.com/restud/pages/behavioral_economics	
3.	https://www.behavioraleconomics.com/	
4.	https://www.exploring-economics.org/en/orientation/behavioral-economics/	
5.	https://www.povertyactionlab.org/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	2	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	14	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	2.8	2.8	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	2
CO3	3	3	3	2	2
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Weightage	15	15	14	12	12
Weighted percentage of Course Contribution to PSOs	3	3	2.8	2.4	2.4

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	FINANCIAL MARKETSAND INSTITUTIONS	**Discipline Specific Elective-VIII**					3	5	25	75	100

	Learning Objectives
C1	To provides a comprehensive functions and operations of financial markets
C2	To understand the various financial institutions and its operations in India
C3	To probe the role of banks in the financial operations and its regulations
C4	To analyse the Financial Institutions in India and its influence on Indian Economy.
C5	To impart knowledge on Exchange Markets and its aspects.

UNIT	Contents	No. of Hours
I	**Introduction** Introduction to Financial System and Economic Development - Indicators of Financial Development, Concepts Related to Financial Markets and Institutions - Concept of Risk - Types of Return and Yield	15
II	**Financial Institutions – I** Commercial Banking - Role of Banks – NPAs - Risk Management in Banking– International Banking - Financial Regulations and Regulatory Institutions in India - RBI, SEBI, IRDA, PFRDA - Corporate Governance and SEBI.	15
III	**Financial Institutions – II** Financial Institutions – Provident Fund, Pension Fund, Insurance Companies - Mutual Fund, Credit Rating Agencies, Merchant Bank, Venture Capital Funds. Bond Market: Bond Features, Bond Price Volatility, Government Security Market, Corporate Bond Market, Public Sector Undertaking Bonds.	12
IV	**Derivatives Market** Classification of Stock Market and Securities – IPO, Stock Exchanges, Stock Market Indices, Derivatives Market - Types of Derivatives.	15
V	**Exchange Market** Foreign Exchange Market - Foreign Exchange Market Structure - Risk Management in Foreign Exchange Market - Exchange Rate Determination - Foreign Capital – FDI & FII, Central Bank Intervention in Foreign Exchange Market.	18
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will be able to	
1	Understand the role and importance of the Indian Financial Market.	PO1
2	Analyse the importance of Commercial Banks	PO1
3	Understand and analyse the mechanics and regulation of financial instruments and determine how the value of stocks, bonds, and securities are calculated.	PO2,PO3
4	Evaluate the performance of Derivative Market.	PO2,PO3
5	Analyse the Foreign Exchange Market.	PO2,PO3
	Textbooks	
1	Saunders, A., Cornett, M. M., &Erhemjamts, O. (2012). Financial Marketsand Institutions. McGraw-Hill/Irwin.	
2	Mishkin, F. S., & Eakins, S. G. (2006). Financial Marketsand Institutions. Pearson Education India.	
3	Frederic, S. (2000). Financial Markets and Institutions. Pearson Education India.	
4	Maureen Burton, Reynold F. Nesiba, Bruce Brown, "An Introduction to Financial Markets and	

	Institutions",Talyor & Francis, 2015
5	Dr.F.C Sharma, " Financial Markets, Institutions and Services" SBPD Publications, 2021

	Reference Books
1.	Megginson, W. L. (2005). The Financial Economics of Privatization. Oxford University Press on Demand.
2.	Burton, M., Nesiba, R. F., & Brown, B. (2015). An introduction to FinancialMarkets and Institutions. Routledge.
3.	Jones, F. M. (2014). Foundations of Financial Markets and Institutions. Pearson Education.
4.	Bhole, L. M. (2004). Financial Institutions and Markets: Structure, Growth And Innovations, *4e*. Tata McGraw-Hill Education.
5.	Dr.Gurusamy .S (2018) Financial Markets and Institutions,Mc Graw Hill Education India.

	Web Resources
1.	https://www.rbi.org.in
2.	https://www.nseindia.com
3.	https://www.sebi.gov.in
4.	https://dpiit.gov.in/foreign-direct-investment/foreign-direct-investment-policy
5.	https://fifp.gov.in/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	3	2	2	3	3	3	3
CO 4	3	3	3	3	3	2	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	15	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	2.8	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	2
CO2	3	3	3	2	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	13	14
Weighted percentage of Course Contribution to PSOs	3	3	3	2.6	2.8

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	Marks		
									CIA	External	Total
	URBAN ECONOMICS	**Discipline Specific Elective - VIII**					3	5	25	75	100
Learning Objectives											
C1	To know the role of Urban Economics and its growth structure										
C2	To understand the basic economic principles in Urban Economics.										
C3	To describes the various urban infrastructures and its functions										
C4	To provide understanding about urbanization and its aspects.										
C5	To familiarize the students about migration and its relevance in urban development.										
UNIT	**Contents**										**No. of Hours**
I	**Introduction** Definition of Urban Economics- Nature and Scope of Urban Economics - Density, Urbanization - Definition of a City and Metropolitan area - Urban structure and Urban growth .										15
II	**Concept, Causes and Problems of Urbanisation** Urbanization – Concept– Urban Morphology - Causes and Issues of Urbanization- Sustainable Urbanization.										15
III	**Urban Infrastructure** Urban Infrastructure- Transportation – Electricity - Water Supply - Slums, Housing and Urban Renewal -Public Health.										16
IV	**Migration Theories** Theories of Rural Urban Migration –Ravenstein's Law of Migration- Stouffer's theory of Mobility- Lee's theory- Reasons for Migration: Push and Pull factors.										14
V	**Policies for Urban Development** Policies and Programmes for Urban development - Measures to Control Urban Growth - Integrated Development of Small and Medium Towns- Smart Cities in India										15
	Total										

Course Outcomes		Programme Outcomes
CO	On completion of this course, students will	
1	Acquire knowledge on the subject matter of Urban Economics	PO1
2	Gain Knowledge on Urbanization and its Impact	PO1,PO2
3	Understand and analyse the Urban Infrastructure	PO1,PO2
4	Analyze the impact of Migration	PO2,PO4
5	Apply various ideas and policies in Urban Economics.	PO4
Textbooks		
1	Ahluwahalia, I.J., Kanbur, R., & Mohanty, P.K. Urbanization in India, Sage Publications, New Delhi. (2014)	
2	Hartwick, John M,(2015) Urban Economics, Routledge.	
3	Arthur O' Sullivan, Urban Economics, Tata McGraw Hill, 2009.	
4	Douglas.M. Brown, " Introduction to Urban Economics", 2013	
5	John F. McDonald, Daniel P. McMillen, "Urban Economics and Real Estate:Theory and Policy", Wiley, 2011	
Reference Books		
1.	Briance A and Ravinder Singh, (edited) (1995), Housing the Urban Poor, Policy and Practice in Developing Countries, (Sage Publications, New Delhi).	
2.	Fred Durr (1971),The Urban Economy (London, Index Educational Publishers).	
3.	Harris Tondon (1973), Introduction to Urban Economic Analysis and Policy New York.	
4.	Lolyd R Dowin and Associates (1969), Planning Urban Growth and Regional Development (London :MT.Press).	
5.	Mark Garrett(1996), Transportation Planning (Sage Publications, New Delhi).	

Web Resources	
1.	https://smartcities.gov.in/
2.	http://www.moud.in/
3.	https://urbaneconomics.org/
4.	https://www.iom.int/
5.	https://refugeesmigrants.un.org/

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	3	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	15	15	15
Weighted percentage of course contribution to POS	3.0	3.0	3.0	2.8	3.0	3.0	3.0	3.00

S-Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	3
CO2	3	3	3	2	3
CO3	3	3	2	3	3
CO4	3	3	2	3	3
CO5	3	3	2	3	3
Weightage	15	14	2	13	15
Weighted percentage of Course Contribution to PSOs	3	2.8	2.4	2.6	3

S-Strong-3   M-Medium-2   L-Low-1

THIRD YEAR - SEMESTER -VI

Subject Code	Subject Name	Category	L	T	P	S	Credits	Inst. Hours	CIA	External	Total
									Marks		
	GENERAL STUDIES FOR COMPETITIVE EXAMINATIONS	**Professional Competency Skill**					2	2	25	75	100

	Learning Objectives
C1	To create the opportunity for learning across different disciplines
C2	To build experiences for students as they grow into lifelong learners.
C3	To know the world climatic classification and its features
C4	To build experiences for students as they grow into lifelong learners.
C5	To know the history of modern India

UNIT	Contents	No. of Hours
I	**Polity** Basic concepts- Three organs of Indian Government (Executive, Legislature, Judiciary), Introduction to Indian Constitution- Salient features of Constitution, Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy, Types of Majority, Amendments to the constitution, basic structure doctrine, Division of subjects between the Union and the States Local Governance, Elections in India and Election Commission, CAG	15
II	**Geography** Major oceans of the world - Important Canals – Gulfs – Straits and Passes - Indian Rivers and its Tributaries - Climatology - Atmosphere, wind systems, cloud systems, world climatic classification -Indian climate - Indian Monsoon - India's Physical Features, Indian Soil -Types and Distribution - Important Trade Routes and Projects, Indian Natural Vegetation - Indian agriculture- Major Crops and its distribution, Indian Industries and its Distribution	15
III	**Economy** National Income – Inflation - Money and Banking - Agriculture in India - Union Budget - Planning in India – Poverty – Unemployment - Inclusive Development and Development issues - Industrial Policies - Financial Markets	15
IV	**History** Modern India -Formation of Indian National Congress - Morley Minto Reforms, Revolutionary activities - World War I and India's Response - Home Rule league - Montague Chelmsford reforms - Rowlatt Act - Non-Cooperation Movement - Simon Commission and Nehru Report - Civil Disobedience Movement and Round Table Conferences - Quit India Movement and Demand for Pakistan - Cabinet Mission - formation of Constituent assembly and Partition of India	15
V	**Environment and Ecology** Basic concepts- Ecology, Biodiversity - Food Chain And Food Web - Bio-Geo Chemical Cycles -International Biodiversity Organisations - International Conventions - Conferences and Protocols - Indian Environmental Laws And Environment Related Organisations	15
	Total	**75**

	Course Outcomes	Programme Outcomes
CO	On completion of this course, students will	
1	Develop broad knowledge of the different components in Polity	PO1,PO2
2	Understand the Geographical features across Countries and in	PO1,PO2

	India	
3	Acquire Knowledge of the aspects of the Indian Economy	PO2,PO3
4	Understand the significance of India's Freedom Struggle	PO2,PO3
5	Gain Knowledge of Ecology and Environment	PO2,PO5
Textbooks		
1	Class XI and XII NCERT Geography	
2	History- Old NCERT's Class XI and XII	
3	Tamil Nadu State Board XI and XII History Books	
4	History- VI to X NCERT	
5	Economics - IX to XII NCERT	
Reference Books		
1.	Laxmikanth.M (2019), Indian Polity, McGraw-Hill	
2.	Ramesh Singh (2022), Indian Economy, McGraw Hill	
3.	Leong,G.C Physical and Human Geography, Oxford University Press	
4.	Majid Hussain, India Map Entries in Geography, GK Publications Pvt. Ltd.	
5.	Majid Hussain - Environment and Ecology, GK Publications Pvt. Ltd	
6.	Rajiv Ahir, A Brief History of Modern India- Spectrum Books Pvt Ltd	
Web Resources		
1.	https://darpg.gov.in/en	
2.	https://www.india.gov.in/topics/governance-administration	
3.	https://dea.gov.in/	
4.	https://mausam.imd.gov.in/	
5.	http://moef.gov.in/	

Mapping with Programme Outcomes:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3	3	3	3	3	3	3
CO 2	3	3	3	3	3	2	3	3
CO 3	3	2	2	2	3	3	3	3
CO 4	3	3	3	3	3	3	3	3
CO 5	3	3	3	3	3	3	3	3
Weightage	15	14	14	14	15	14	15	15
Weighted percentage of course contribution to POS	3.0	2.8	3.0	2.8	3.0	2.8	3.0	3.00

Strong-3   M-Medium-2   L-Low-1

Level of Correlation between PSO's and CO's

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	3
CO3	3	3	2	3	3
CO4	2	2	2	3	3
CO5	3	2	2	3	3
Weightage	14	13	11	15	15
Weighted percentage of Course Contribution to PSOs	2.8	2.6	2.2	3	3

Strong-3   M-Medium-2   L-Low-1

Core Course - CC PG - I
ADVANCED MICRO ECONOMICS

Course Objectives:
1. To make the students to understand consumer behavior with the theories of Demand and Production.
2. To elaborate various market structure and the theories of distribution.

Unit I: Consumer Choice
Cardinal and ordinal utility - Indifference curve approach – Slutsky's Decomposition of price effect into substitution effect and income effect – Consumer surplus - Marshall's and Hicksian measures – Compensatory Demand Curve- Revealed Preference Theorem- and derivation of Marginal Utility schedule for money income.

Unit II: Economics of Information
Informational asymmetry –- Choice under Uncertainty - N-M Index – Inter-temporal choice -Market for lemons- Adverse selection – Insurance market and adverse selection – Solution to principal agent problem- Hidden action (Moral Hazard) - Signaling and Screening.

Unit III: Market Structure Models
 a. Perfect competition – Price and output determination – Optimum firm-
 b. Monopoly – Short run and long run equilibrium - Price discrimination monopoly control, and regulation – Contestable Market-
 c. Monopolistic competition–Chamberlin Model- selling costs - Excess capacity –
 d. Oligopoly – Duopoly price game-dominant strategy-Nash Equilibrium Non-collusive Models - Cournot-Bertrand – Chamberlin – Edgeworth –Sweezy – Stackelberg- Oligopoly - Collusive Models - Cartels and mergers -Price leadership - Base point price system
 e. Monopsony – Price and output determination – Workable competition.

Unit -IV: Alternative Theories of Firm
 Full Cost Pricing Rule- Limits pricing theory- Bains Theory- Sylos-Labini Model-Modigliani's Models-Input-output model -Linear programming applications in decision making- Peak Load Pricing – Administered Pricing- Purchasing Power Parity Price.

Unit -V: Distribution Theories
Neo-classical approach – Marginal productivity theory; Product exhaustion theorem; - Modern theory of distribution – Factor Pricing in imperfect product and factor markets- Determination of Wages –Labour supply and wage determination – Role of trade unions and collective bargaining- Theories of Interest-Theories of Profit.

Text Books:
1. Jhingan M.L, (2004 Reprint)Advanced EconomicTheory(Vrindha Publications (P) Ltd., New Delhi.
2. Agarwal, H.S. Micro Economic Theory, (Ane's Books Pvt. Ltd.,) New Delhi.

References:
1. Hal R. Varian (2004), Intermediate Micro Economics (East-West Press: New Delhi).
2. Ruffin Roy. J (1992), Intermediate Micro Economics Harper & Collins Publishers.
3. Koutsyiannis A. (1978), Modern Micro Economics, (Macmillan- London).

Web Resources:
1. http://open.oregonstate.education/intermediatemicroeconomics/chapter/module-1
2. http://saylordotorg.github.io/text_introduction-to-economic analysis/s16-monopoly.html
3. http://saylordotorg.github.io/text_introduction-to-economic analysis/s17-

games-and -strategic-behaviour.html

Course Outcomes (Cos):
Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	To illustrate and analyse the theories of consumer behavior	K1, K2, K4
CO2	To illustrate and identify the choice under uncertainty.	K2, K3
CO3	To compare how price and output is determined in different market situations and evaluate the market structures	K2, K4, K5
CO4	To identify and examine the alternative theories of firms.	K3, K4
CO5	To define, explain, and compare the theory of distribution.	K1, K2, K4

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Core Course - CC PG -II
INDIAN ECONOMIC DEVELOPMENT AND POLICY

Course Objectives:

1. To provide a macroeconomic understanding of the Indian Economy.
2. The students become aware of various challenges of the Indian Economy.

Unit 1: Introduction

Growth and Structural Change Indian economy at Independence- The policy framework: statist policy, transition to market-oriented policy, role of erstwhile Planning Commission and NITI Aayog- Two phases of growth (1950-1980 and 1980 onwards), factors underlying turnaround- Structural change in Indian economy.

Unit 2:Agricultural and Industrial Sector

Agricultural and Industrial Sectors - Agricultural Sector Performance of agricultural sector, factors determining agricultural growth - Factors underlying food inflation- Agricultural price policy and food security Industrial Growth - Industrial growth before and after reforms - Dualism in Indian manufacturing- Issues in performance of public sector enterprises and privatization.

Unit 3:Fiscal Developments

Fiscal Developments, Finance and External Sector Expenditure trends- GST: rationale and impact- Evolution of the financial sector in post-liberalization period- External sector performance: emergence of India as major exporter in services, performance of manufacturing sector.

Unit 4:Poverty and Inequality

Poverty and Inequality - Measuring poverty in India: Selection of poverty lines- Poverty in pre and post liberalization periods- Impact of growth on poverty- PDS vs cash transfers, feasibility of universal basic income in India - Inequality in India in pre and post liberalization periods.

Unit 5:Social Sector

Social Issues Gender gap in India and trends in female labour force participation rates, factors determining female labour force participation- Employment: changing nature of employment in India, "jobless growth"- Labour in informal sector- India's graphic transition.

Text Books :

1. Sundaram K P M.,(2002),Indian Economy , 42 revised edition., S.Chand Publications
2. Misra,S, &Puri, V.,(2020.), Indian Economy, Revised Edition., S.Chand Publications

Reference Books:

1. KaushikBasu (Ed.) (2012), Oxford Companion to Indian Economy, 3rd Edition, OUP, New Delhi.
2. Uma Kapila (Ed.) (2018), Indian Economy since Independence, Academic Foundation, New Delhi, 29th Edition.
3. AshimaGoyal (Ed.) The Oxford Handbook of the Indian Economy in the 21st Century: Understanding the Inherent Dynamism, Oxford University Press.

Web References:

1. https://www.adb.org/countries/india/economy
2. https://www.oecd.org/economy/india-economic-snapshot/
3. https://www.indiabudget.gov.in/economicsurvey/

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the Structural change in Indian economy	K_1, K_2, K_3, K_4
CO2	Assess the Performance of agricultural and Industrial sector	K_1, K_2, K_3, K_4
CO3	Ability to learn the trends in the economy	K_1, K_2, K_3, K_4, K
CO4	Understand the Impact of Poverty	K_1, K_2, K_3, K_4
CO5	Identify Social Issues like Unemployment, Gender disparities	K_1, K_2, K_3, K_4

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	2	3
Weightage	15	15	15	13	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	2.6

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Core Course - CC PG - III
STATISTICS FOR ECONOMISTS

Course Objective:
1. To provide a strong foundation in statistical concepts and develop skills in data handling and research.
2. The course facilitates in inferring the intensity of relationship between multiple variables and building appropriate statistical models. The models thus formulated can be tested for their significance and can be used for forecasting

Unit I: Probability

Probability - Addition and Multiplication Theorems - Conditional Probability - Discrete and Continuous - Random Variables - Mathematical Expectations – Bayes Theorem - Theoretical Distributions - Binomial, Poisson and Normal.

Unit II: Sampling and Hypothesis Testing

Sampling Theory - Types of Sampling - Sampling Distributions - Parameter and Statistic - Testing of Hypothesis - Level of Significance - Type I and Type II Errors - Standard Error - Properties of Estimator.

Unit III: Test of Significance Large and Small Sample

Difference between Large and Small Samples - Test of Significance for Large Samples - Test for Two Means and Standard Deviations - Proportion and Confidence Interval - Small Sample Test – t-test - Paired t- test - Chi-square Test- Test of Goodness of Fit.

Unit IV: Analysis of Variance

F test: Assumptions in F test - Analysis of Variance: Assumptions – One-Way and Two-Way Classifications.

UnitV: Statistical Decision Theory

Definitions – Concepts – Maximin - Minimax - Bayes Criterion - Expected Monetary Value - Decision Tree Analysis: Symbols - Steps - Advantages and Limitations.

Text Books

1. Gupta S.P., Statistical Methods, Sultan Chand and Sons, New Delhi, 2017.
2. Anderson, Sweeney and Williams, "Statistics for Business and Economics",Cengage, 2014.

References:

1. Aggarwal. Y.P (2002), "Statistics Methods – Concepts Application and Computation", Sterling Publishers Private Ltd., New Delhi.
2. Vittal P.R.,Mathematical Statistics, Margham Publications
3. Pillai R.S.N. andBagavathi V (2010), Statistics, Sultan & amp; Chand Sons, NewDelhi.

Web Resources

1. https://www.statista.com.
2. https://techjury.net
3. https://dss.princeton.edu/online_help/analysis/interpreting_regression.htm

Course Outcomes:

Upon Completion of this course, the Students will be able to

K1 –

No.	Course Outcomes	K-Levels
CO1	Summarize the basic Probability rules and understand theoretical distributions.	K1 & K2
CO2	Acquire knowledge on the various sampling methods and testing of Hypotheses	K2 & K3
CO3	Use t test and chi square for analysis	K4
CO4	Understand the importance of one and two way ANOVA	K5
CO5	Know the various Decision making tools available	K6

Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	3	2	2
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	2	3	3	2	3
Weightage	14	13	15	13	14
Weighted percentage of Course Contribution to Pos	2.8	2.6	3	2.6	2.8

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)

Assign the value

1 – Low

2 – Medium

3 – High

0 – No Correlation

1. MODERN ECONOMIC THOUGHT

Course Objectives:
1. To trace the ideas of Modern Economists
2. To understand the contribution of the Economists.

Unit I: Classical Economic Thought
Economic ideas of Irving Fisher –The Quantity theory of Money- Theory of Interest. Joseph Alois Schumpeter - Method of Study –Deductive Method –Inductive Method-Theory of Economic Development- Role of Entrepreneur – Innovation-Business Cycles – Capitalism and Socialism . J.K. Galbraith – The objective of Economic Progress- Concept of Countervailing Power.

Unit II: Neo Classical Economic Thought
RagnarNurske – Foreign Resources – Capital Formation –Disguised Unemployment **,**Mrs- Joan Robinson –Imperfect Competition – F.Y .Edgeworth –Mathematical Economic Analysis –Three Dimensional Utility

Unit III: Keynesian Economic Thought
Lord Lionel Robbins – Definition of Economics-Causes of Depression -Milton Friedman – Quantity Theory of Money – Permanent Income Hypothesis ,Friedman and Savage Hypothesis , Paul A.Samuelson –Impact of Keynesian Economics – Revealed Preference Theory –Business Cycles –Social Welfare Function-Samuelson's Utility Possibility Approach

Unit IV: Post Keynesian Economic Thoughts
Ideas of Modern Indian Economists-R.K.Mukerjee- Institutional theory of Economics-Regional Economics - Ecological Theory of Population -Planning in India, J.K.Mehta – Static and Dynamic Economics -Economics of Welfare -Economics of Growth and Development-Economics of Fast

Unit V:Indian Economists
C.N.Vakil -Planning- Wage -Goods Model-Role of Technological Progress-Poverty -Deficit Financing and Public Expenditure, V.K.R.V.Rao -Economic Activities -Institutional Development-Deficit Financing-Fiscal Policy-Human Factor in Economic Growth-Amartya Kumar Sen – Poverty and Famine ,Poverty and Inequality-Concept of Capability-Entitlement -Choice of Techniques.

Text Books:
1. Dr.U.C.Kulshrestha (1994) ,History of Economic Thought ,Lakshmi NarainAgarwal
2. Dr.S.Sankaran (2006) ,A History of Economic Thought ,Margham Publications

Reference Books:
1. Eric Roll (1956) A History of Economic Thought,PrenticeHall,Inc,U.S.A,
2. Dr.PankajSrivastava (2018) Economic Thinkers , DND Publications ,Jaipur
3. M.L.Jhingan,M.Girija and L.Sasikala (2011),History of Economic Thought, Vrindha Publications

Web Resources:
1. https://ebrary.net/112930/history/a_brief_history_of_economic_thought
2. https://www.exploring-economics.org
3. https://www.econlib.org

Course Outcomes (COs):
Upon completion of this Course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Understand modern economic concept of role of Entrepreneur Innovation, BusinessCycles and Capitalism and Socialism.	K_1, K_2, K_4
CO2	Ability to understand about Capital Formation, Disguised UnemploymentImperfectCompetition and Mathematical Economic Analysis	K_1, K_2, K_3, K_4
CO3	Understand the ideas ofPermanent Income Hypothesis, Revealed Preference Theory, Social Welfare Function and Samuelson's Utility Possibility Approach	K_1, K_2, K_4
CO4	Gain knowledge about the ideas of Modern Indian Economists-Regional Economics, Ecological Theory of Population - Economics of Growth and Development-Economics of Fast	K_1, K_2, K_4
CO5	Understand economic ideas like role of Technological Progress-Poverty -Deficit Financing and Public Expenditure, Human Factor in Economic Growth and	K_1, K_2, K_3, K_4

| | Inequality and Concept of Capability | |

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

2.RURAL ECONOMICS

Course Objectives:
1. To understand rural economicdevelopment in India
2. To know about the Rural Empowerment Programs initiated by Government of India

Unit I: Introduction to Rural Economics
Nature and Scope of Rural Economics - Inter-disciplinary approach of Rural Economics –Components - Structure and Characteristics -Pre and Post-independence - Rural Development: Meaning, Nature and Scope - Factors Affecting Rural Growth

Unit II: Rural Resources and Rural development theories
Rural Resources: Nature, Types and Magnitude - Rural Resources Management and Development - Application of Technology in Rural Development – Problems and prospects -
W.W. Rostow's - Lewis-Fei-Ranis and Gandhian Approach to Rural Development.

Unit III: Rural Demography and Occupational Structure
Demography: Population Size, Sex and Age Composition - Density of Population- Population Problems and Challenges – Family Welfare Measures in Rural India - Occupational Structure: Nature of Rural Occupations - Occupational Distribution in Rural India – The Concept of Work Participation Rates.

Unit IV: Rural Poverty and Unemployment
Rural Poverty: Meaning, Estimates, Causes and Consequences – Unemployment: Meaning, Types and Magnitude of Rural Unemployment - Causes and Consequences - National Programmes for Rural Development - Community Development Programmes and Employment Guarantee Schemes.

Unit V: Rural Empowerment Programmes
Bharat Nirman, Provisions of Urban Amenities in Rural Area (PU RA), Mahatma Gandhi National Rural Employment Guarantee Act - Agencies for Rural Development: Government, Semi-Government Organisations, Co-Operative Institutions, Non-Government Organisations and Voluntary Agencies for Rural Development.

Text Books:

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.

References Books:
1. Singh, K., &Shishodia, A. (2016). Rural development: Principles, policies, and management. SAGE Publishing India.
2. Hoff, K., Braverman, A., &Stiglitz, J. E. (1993). The economics of rural organization. Oxford: Oxford University Press.
3. Hill, B., & Ray, D. (1987). Economics for agriculture: food, farming and the rural economy. Basingstoke, UK: Macmillan Education.

Web Resources:
1. https://www.kobo.com/us/en/ebooks/public-finance
2. https://www.amazon.in/PUBLIC-FINANCE-AMBAR-GHOSH-ebook/dp/B07W5F2P1Q
3. https://www.niti.gov.in/sites/default/files/2021-08/11_Rural_Economy_Discussion_Paper_0.pdf

Course Outcomes (Cos):
Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	To label and interpret the nature and scope of rural economics.	K1,K2,
CO2	To define and demonstrate the theories of rural development and rural resources.	K1,K2,
CO3	To recall, outline and determine rural demography and occupation structure.	K1,K2,K5,
CO4	To organize, examine and evaluate rural poverty and unemployment.	K3,K4,
CO5	To summarize, develop and explain the rural empowerment programs.	K2,K3,K5,

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5					
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

    Level of Correlation between PSO's and CO's
    (Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
    Assign the value
    1 – Low
    2 – Medium
    3 – High
    0 – No Correlation

REGIONAL ECONOMICS

Course Objectives
1. To equip the analytical skills required to analyse the regional economic issues
2. To understand Regional economic growth in India

Unit I: Introduction to Regional Economics
Nature and scope of regional economics – Regional economics and regional science – Regional and Urban Economics: Need for a separate study of regional economics – Concept and types of regions: Administrative, Planning, Agro-climatic, Economic and Functional regions.

Unit II: Approaches to regional growth
Approaches to regional growth: Models of regional, inter-regional and multi-regional models; Export base models – Location Theory - Gravity models – Shift-share analysis

Unit III: Theories of regional economic growth
Neoclassical models – Dualistic models: Social dualism – Labour surplus model of Arthur Lewis- Migration and development: Harris-Todaro – Core-Periphery models: Myrdal's Cumulative Casuation Hypothesis – Regional Input-output models - New Economic Geography models: Paul Krugman's model of industrial location and development

Unit IV: Regional economic growth in India
Administrative regions in India: State, District, Taluk and Village; Urban and Rural regions - Concept, definition and measure of State Income (GSDP) – Rural and urban GDP – Differences in estimation of national income (GDP) and State Income (GSDP) - Measurement of interregional economic growth at State level

Unit V: Regional Aspects of Stabilization and Growth Policy
Post-war Regional Cyclical Behaviour and Policy Measures for Stabilization, Theories to Explain Regional Differences in Growth, Fiscal Programmes, Tax and Transfer Programmes, Fiscal Responses of Power Level Governments, Regional Orientation to Policy Programmes and Central Responsibility.

Text books
1. Capello Roberta. (2016). Regional Economics. Routledge (New York).
2. Temple, M. (1994). *Regional economics*. St. Martin's Press.

References
1. Harry W Richardson (1973): Regional Growth Theory, Macmillan.
2. Harry W. Richardson. (1970). Elements of Regional Economics. Penguin Books (New York).
3. Harry W Richardson (1969): Regional Economics: Location theory, Urban structure and regional change, Weidenfeld & Nicolson (London)

Web resources
1. http://www.rri.wvu.edu/WebBook/Giarratani/contents.htm
2.https://researchrepository.wvu.edu › cgi › viewcontent
3. https://ddceutkal.ac.in › Syllabus › MA_Economics

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	understand the Nature and scope of regional economics and its need	K1, K3, k4
CO2	Discuss the Models of regional, inter-regional and multi-regional models	K4,K5
CO3	Evaluate the various theories of regional economic growth	K2, K3,K4
CO4	Describes the Measurement of interregional economic growth at State level	K4,K4
CO5	apply Regional Aspects of Stabilization and Growth Policy	K1,K4,K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	3	2	2	3	2	3
CO3	3	2	3	2	2	2
CO4	3	3	3	2	3	3
CO5	3	2	2	2	3	2
Weightage	14	12	14	14	12	13
Weighted percentage of Course Contribution to Pos	2.8	2.4	2.8	2.8	2.4	2.6

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
>   **1 – Low**
>   **2 – Medium**
>   **3 – High**
>   **0 – No Correlation**

ELECTIVE – II (2)
WELFARE ECONOMICS

Course Objective:
1. To enable students to understand the fundamentals as well as development in the field of Welfare Economics.
2. To show the importance of welfare Economics compared to that of wealth Economics

Unit 1:Introduction to Welfare Economics
Welfare Economics :Meaning- Concepts: Individual and Social Welfare- Value Judgments- Preferences and Utility - Utility function: Properties - Interpersonal comparisons of utility: degrees of interpersonal comparability. –Social Welfare Function: –Bentham's Utilitarianism- Pigouvian Welfare Economics.

Unit II: Approaches to Welfare
Cardinal and Ordinal Approaches- Hicks's Four Measures of Consumers' Surplus- Partial and General Equilibrium- Edgeworth Box Diagram- General Equilibrium of Production and Exchange.

Unit III: Pareto Optimality Conditions
Pareto-Optimality Criterion -Definition-Marginal Conditions of Pareto Optimum – Perfect Competition and Pareto Optimality- Exceptions –Externalities – Public Goods and Market Failure – Theory of Second Best.

Unit IV: New Welfare Economics
New Welfare Economics – Kaldor- Hicks Compensation Criterion – Utility Possibility Curve -Shortcomings – Scitovsky Paradox – Scitovsky's Double Criterion of Welfare– Little's Criterion.

Unit V: Theories of Social Choice
Utility Possibility Curve and Frontier Grand Utility Possibility Curve- Iso Welfare Curves- Arrow's

Impossibility Theorem –Amartya Sen and Capability Theorem – Rawls Theory of Social Justice

Text Books
1. Verma K.N (2012) Microeconomic Theory ,Vishal Publishing House
2. Per –OlovJohannson(2009) An introduction to Modern Welfare Economics, Cambride University Press

References
1. Arrow, Kenneth J (1963) Social Choice and Individual Values, Cowles Foundation Monograph 12, 2nd ed. Yale University
2. Bossert, Walter and Kotaro Suzumura (2010) Consistency, Choice and Rationality, Harvard University Press: Cambridge MA
3. Broadway, R.W. and N. Bruce (1984), Welfare Economics, Basil Blackwell, Oxford.

Web Resources
   1. https://conceptually.org/concepts/pareto-principle
   2. https://web.stanford.edu/~jdlevin/Econ 202/General Equilibrium.pdf
   3. https://policonomics.com/lp-welfare-economics1-general-equilib…

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Summarize the Contribution to Welfare Economics	K1,K2
CO2	Analyse the different approaches to Welfare Economics	K3,K4,
CO3	**Interpret** the development of Pareto Optimality Conditions	K1,K2,K3
CO4	Explain the compensation Criteria of Economics	K2,K5
CO5	Evaluate theories of Social Choice.	K2,K4,K5

   K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	2	3	2	3	2
CO3	3	3	2	3	2
CO4	2	3	2	3	2
CO5	2	3	2	3	3
Weightage	12	15			
Weighted percentage of Course Contribution to Pos	2.4	3	2	3	2.4

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Core Course - CC PG -IV
MONETARY ECONOMICS

Course Objectives:
1. The course is devoted to the main issues in modern monetary economics.
2. The factors behind money demand and supply are studied through the set of comprehensive monetary models.

Unit I: Classical Theories of Money
Demand for Money Quantity theories of money – Fisher and Cambridge- Keynesian monetary theory- James Tobin's portfolio analysis of money demand- Don Patinkin's Integration– Real Balance Effect- Milton Friedman's reformulated quantity theory.

Unit II: Supply of Money
Supply of Money Types and determinants of money supply – money multiplier- Theories of interest rate – classical – Keynes – Hicks – Hansen.

Unit III: Money and Capital Market
Money and Capital Market Significance and functions of Money market and capital market- Role of financial intermediaries – Effects of financial intermediation- Non-banking financial institutions – Gurley and Shaw theory.

Unit IV: Banking and its functions
Banking Functions of Commercial banks - Credit creation – process and limitations Role of Commercial banks after nationalization – after reforms- Role of RBI – Regulation of money supply and credit- Narasimham Committee Reports– 1991 and 1998- RaguramRajan Committee Report -2007.

Unit V: Monetary Policies
Monetary Policy Objectives and Instruments of Monetary policy– Limitations of monetary policy- Monetarism and Keynesianism – Comparison - Supply side policies.

Text Books:
1. Bain, Keith and Howells, Peter: Monetary Economics: Policy and its theoretical Basis, Palgrave Macmillian, 2nd Edition, 2009
2. Mishkin .S. Frederic-The Economics of Money ,Banking and Financial Markets, Pearson Publication, 11th Edition, 2015

References:
1. Jhingan, M.L. (2005), Monetary Economics[Konark Publication, New Delhi].
2. Sundaram, K.P.M. (2003), Money, Banking and International Trade [Vikas, New Delhi].
3. Vaish, M.C. (2004), Money, Banking and International Trade [New Age International, New Delhi].

Web Resources:
1. https://www.amazon.in/Handbook-Monetary-Economics-Benjamin-Friedman-ebook/dp/B00EXOTZ96
2. https://link.springer.com/book/10.1057/9780230280854
3. https://www.rbi.org.in/scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	To list out and outline the theories of money.	K1,K2,

CO2	To explain construct and distinguish various determinate of money supply and multiplier.	K2,K3,K4,
CO3	To label, explain and evaluate the capital market.	K1,K2,K5
CO4	To define, illustrate and importance of banking sector.	K1,K2,K5,
CO5	To interpret and make use of monetary policy.	K2,K3,

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

LABOUR ECONOMICS

Course Objectives:
1. To enable and acquire the knowledge the relating to the significance of labour market
2. To understand the man power in Economic Development

Unit I: Labour Market and Policies
Labour Market- Nature and Characteristics, Demand for Labour in relation to size and pattern of investment, Choice of technologies and labour policies Supply of Labour, Growth of Labour Force, Labour Market Policies, Mobility and Productivity

Unit II: Employment and Wage Determination
Employment and Development relationship- poverty and unemployment, Unemployment- Types, concepts and measurement, Employment Policy Wage Determination- Classical, Neo-classical and Bargaining theories; Concepts of minimum wage and efficiency wage; Non-wage component

Unit III: Trade Union Movement
Since Independence and Present Scenario of the Trade Union Movement– AITUC – INTUC – HMS – UTUC – Association of Indian Trade Unions with International Trade Unions –Problems of Trade Unions – Essentials for success of a Trade Union - The Trade Union Act, 1926- Recent policies relating to Trade union act

Unit IV Industrial Relation
Need for Industrial Relation Machinery-Preventive and Curative methods-Collective Bargaining, Arbitration and Adjudications-industrial Democracy, the concept of Workers participation in management- Role of State in Industrial Relations.

Unit V: Social Security and Reforms
Social Security- Concepts and evolution, Social assistance and insurance, Review and Appraisal of State Policies, Special Problems- Child labour, discrimination, bonded labour-Labour market Reforms- Exit Policy, safety requirements, National Commission on Labour, Globalisation and labour markets, mobility of labour.

Text books
1. Pant C.(1978),Indian Labour Problems,(Allahabad,Chaitanya Publishing House).
2. Singh S.S., and Metha S.(1989),Labour Economics,(Ajanta Prakasham New Delhi).

References
1. Tyagi P.B.(1995),Labour Economics and Social welfare,(JaiprakashNath&Co.Meerut),
2. Baholiwal T.N.(1981), Economics of Labour and Industrial Relations,(SahityBhawan, Agra).
3. Giri V.V.(1985),Labour Problems in Indian Industry (Asia Publishing House,Bombay).

Web resources
1. https://fac.ksu.edu.sa › sites › default › files › Moder..
2. http://students.aiu.edu › resources › onlineBook › q...
3. http://assets.vmou.ac.in › PGDLL06

Course Outcomes (Cos):
Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	study the recent trends of labour and their productivity	K1, K3, K4
CO2	assess the determination of employment and wages	K3,K4
CO3	Understand the trade unions and their impact on labour market	K1, K4,K5
CO4	evaluate the Industrial relation	K3,K4

CO5	analyze the current trends of social security measures	K1,K4,K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	2	3	2	3	2	3
CO3	3	2	3	2	3	3
CO4	2	2	3	2	3	3
CO5	3	2	3	2	3	2
Weightage	12	12	15	14	13	14
Weighted percentage of Course Contribution to Pos	2.4	2.4	3	2.8	2.6	2.8

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)

Assign the value

        1 – Low

        2 – Medium

        3 – High

        0 – No Correlation

MATHEMATICAL ECONOMICS

Course Objectives:
1. The paper aims to introduce students to the basic building blocks of mathematical analysis used in modern economic theory.
2. To equip the students with mathematical tools and to optimize both static and dynamic economic environment.

Unit I: Introduction to Linear Algebra
Sets-Basic concepts-Ordered sets-Relations-Order relations-Metric Spaces-open and closed sets–Convergence - Linear Algebra , Vectors, matrices, inverse, simultaneous linear equations, Cramer's rule for solving system of linear equations, input-output model, Hawkins - Simon condition, open and closed models , quadratic equation, characteristic (eigen) roots and vectors

Unit II: Differential Calculus

Introduction to Functions, Limits and Continuity, Derivatives –Concept ofmaxima& minima, elasticity and point of inflection. Profit & revenue maximization under perfect competition, under monopoly.Maximizing excise tax revenue in monopolistic competitive market, Minimization of cost etc.

Unit III: Optimization Techniques with Constraints
Functions of several variables, Partial and total, economic applications, implicit function theorem, higher order derivatives and Young's theorem, properties of linear homogenous functions, Euler's theorem, Cobb – Douglas Production Function - Constrained Optimization-Lagrangian Multiplier Technique- Vector and Matrix Differentiation -Jacobian and Hessian Matrices- Applications-Utility maximization, Profit maximization and Cost minimization.

Unit IV: Linear and Non-Linear Programming
Optimization with Inequality Constraints- Linear Programming–Formulation-Primal and Dual- Graphical and Simplex method-Duality Theorem-Non-Linear Programming-Kuhn-Tucker Conditions- Economic Applications.

Unit V: Economic Dynamics
Differential Equations-Basic Ideas-Types-Solution of Differential Equations (Homogenous and Exact)-Linear Differential Equations with Constant Coefficients (First and Second Order)- Applications- Solow's Model-Harrod-Domar Model-Applications to Market models- Difference Equations - Types-Linear Difference Equations with Constant Coefficients (First and Second order) and solutions – Applications-Samuelson's Accelerator-Multiplier model-Cobweb model.

Textbooks:
1. Geoff Renshaw,(2016)Maths for Economics, 4E Oxford University Press.
2. Mabbet A J(1986) Workout Mathematics for Economists, Macmillan Master Series, 4th Edition London**.**

References:
1. Carter, M. (2001). Foundations of Mathematical Economics, MIT Press.
2. Chiang, A. C. and Wainwright, K. (2005). Fundamental Methods of Mathematical Economics, McGraw-Hill Education.
3. Dowling E. T., Mathematics for economists, Schaum Series (latest edition).

Web Resources
1. https://www.udemy.com/course/mathematics-for-economists-functions-and-derivatives/
2. https://www.classcentral.com/course/swayam-mathematical-economics-14187
3. https://www.coursera.org/learn/introduction-to-calculus

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the mathematical structure of standard economic theoretical	K1, K2, K4

	framework	
CO2	Equip students with mathematical tools to solve optimization problems appear in economic theory	K2, K4, K5
CO3	Equip students with tools to read the technical writing appear in standard economic journals	K1, K3, K4
CO4	analyse the dynamics of macroeconomic policies in an economy	K1, K2, K4
CO5	analyse mathematically the dynamics of the growth process in an economy	K3, K2,K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Elective PG – III Discipline Centric
(1) GENDER ECONOMICS

Course Objectives:
1. To evaluate sources of socio-economic and demographic information for analyzing the impact of the gender factor on demographic processes and economic development
2. It enables to foresee the contributions of women as active economic agents and strategies to empower women and reduce gender inequalities.

Unit I: Introduction
Definition- Objectives of Gender Studies - Importance of gender Studies -Women and work: unpaid, underpaid and casual work - Women in primary, secondary and tertiary sectors - Classification of work in Indian census and NSSO – Main workers, marginal workers, non-workers - Invisibility of women's work, problems in measurement - Non-recognition of women's work in national income accounting

Unit II: Gender Inequality in Labor Market
Segmented Labor Market and Occupational Segregation - Gendered jobs and Social Inequality - Sex Segregation at Work Place - Globalisation and its impact on gender - Issues of wage discrimination and exploitation in unogranised sector - Women's participation in organised sector - Gender Discrimination - Gender issues at the work place

Unit II: Social Empowerment
Women in Higher Education - Gender issues in Health, Environment, Family welfare Measures - Indecent representation of Women in media - Women in Difficult circumstances; Constitutional.

Unit III: Economic Empowerment
Introduction - organized sector, unorganized sector - Role of Women in Economic Development – Female Poverty and Poverty alleviation programmes - Status of Women farmers and land rights - Women Entrepreneurs - Impact of Globalization on working women - National Policy for the empowerment of women 2001.

Unit V: Social issues and Women in Indian Planning
Issues in the Unorganized sector of Employment - Women's work: Status and problems - problems of Dalit women - Invisibility of women in official data system - Absence of gender disaggregated data - Initiatives towards recognition of women as agents of development from sixth five year plan.

Text books
1. Eswaran, M. (2014). *Why gender matters in economics*. Princeton University Press.
2. Becchio, G. (2019). *A History of Feminist and Gender Economics*. Routledge.

References
1. Humphries, J. (1995). *Gender and economics*. Edward Elgar Publishing.
2. Dijkstra, G., &Plantenga, J. (2013). *Gender and economics: a European perspective*. Routledge.
3. Negra, D., & Tasker, Y. (2014). Introduction. Gender and recessionary culture. In *Gendering the Recession* (pp. 1-30). Duke University Press.

Web Resources

1. https://www.academia.edu › 9_Ch_1_Gender_Economi...
2. https://ftp.iza.org › .
3. https://www.oecd.org › derec › worldbankgroup

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the Gendered jobs and Social Inequality	K1, K3
CO2	describes the Issues of wage discrimination and exploitation in unogranised sector	K3,K4
CO3	Explain the Gender issues in Health, Environment, Family welfare Measures	K4,K5
CO4	Evaluate the Impact of Globalization on working women and National Policy for the empowerment of women 2001	K1, K3,K4
CO5	Assess the Initiatives towards recognition of women as agents of development from sixth five year plan.	K1,K4,K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	2	2	2	3	2	3
CO3	3	2	3	3	2	3
CO4	2	2	2	2	3	3
CO5	3	2	3	2	3	2
Weightage	12	11	14	15	12	14
Weighted percentage of Course Contribution to Pos						

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

(2) URBAN ECONOMICS

Course Objectives
1. To equip with theory and measurement of urban economic growth and development, spatial structure of cities and urbanization.
2. The course outlines the issues of urban poverty and its impact on urbanization.

Unit I: Introduction
Definition and Scope of Urban Economics - Sources of Urban Growth –International migration, Trends in growth of urban population in the world - Urban reclassification and physical expansion of urban boundaries –Urbanization and agglomeration economies – industrialization and services sector growth –Urbanization and urban economic growth – Urbanization and globalization.

Unit II: Economics of Urbanization
The Process of urbanization: Nature and dimensions, factors initiating and perpetuating urbanization process - Characteristics of an economy passing through different stages of urbanization - Classification of urban areas by demographic, geographical and economic criteria- Process of sub-urbanization

Unit III: Theories of Urban Growth and spatial structure
Christaller's Central Place Theory - The Human Ecological Approach to Urban Growth - Urban Size: Ratchet-Rank Size Rule - Migration and urban economic growth: Harris-Todaro Model – Concepts of City Structure - The Minimization of Costs of Friction Hypothesis -Location Equilibrium of an Urban Firm - The Concentric Zone Hypothesis - Urban Residential Land Use Models: Alonso, Muth, Siegel, Park Burgess.

Unit IV: Urbanization and Labour Market
Urbanisation and Labour Market - Pull and Push Factors for Urbanisation in India - High Wages and Improved Infrastructure - Employment Opportunities and Educational facilities - Growth of formal and Informal economic activities - Labour Force Participation and Distribution of Workers

Unit V: Urban Problems and Urban Planning
Over Population and congestion - Urban housing problem - Urban environment: Air, Water and Noise Pollution - Urban poverty and inequality - Urban Infrastructure: transport Water Supply, Sanitation and Solid waste management - Need for Urban Planning: Objectives and Techniques - Emerging Planning Process - Comprehensive Development Plan – Master Plan – Jawaharlal Nehru National Urban Renewal Mission - Smart Cities

Text books
1. Shukla, V. (1996) Urbanization and Economic Growth, Himalaya Publishers Pvt. Ltd (New Delhi).
2. Robert L Bish and Hugh O Nourse (1975), Urban Economics and Policy Analysis, McGraw Hill Kogakusha Ltd (Tokyo).

References
1. O' Sullivan (2012), Urban Economics, McGraw Hill Higher Education (Boston).
2. Edwin S. Mills. (1987). Handbook on Regional and Urban Economics, Volume 2: Urban Economics. North-Holland (Amsterdam).
3. Duranton, G., & Strange, W. C. (1986). *Handbook of regional and urban economics: applied urban economics* (Vol. 3). Elsevier.

Web resources

1. https://link.springer.com › bfm:978-1-349-15661-0 › 1.pdf
2. https://www.academia.edu › Urban_economics_Arthur_O..
3. https://www.ysk-books.com › show › book › regional-a..

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	understand scope of urban economics and urban economic growth	K1, K2, K3
CO2	Describe the process of urbanisation and classification or urban areas	K3, K5
CO3	Evaluate the various theories of urban growth and spatial structure	K2, K4
CO4	Explain the urban Labour Market, Labour Force Participation and Distribution of Workers	K1, K2
CO5	Familiarize the urban problems and planning process.	K1, K4, K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	3	3	3	3	2	3
CO3	3	2	3	2	2	3
CO4	3	2	2	2	3	3
CO5	3	2	2	2	3	3
Weightage	14	12	13	14	12	15
Weighted percentage of Course Contribution to Pos	2.8	2.4	2.6	2.8	2.4	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Elective – PG - IV Generic
(1) RESOURCE ECONOMICS

Course Objectives:
1. To trace the resources in the country
2. To understand the quality of the available natural resources.

Unit I: Introduction

Land Resources in India - Types of soil- Land resource Classification -Forest ,Barren land, Pastures and grazing land, cultural Waste Land, Fallow Land, Agricultural Land -Net Sown Area - Land degradation and soil Erosion-Preventive Measures.

Unit II: Role of Resources in Economic Development

Forest Resources-Role of Forests in Economic Development-Forest cover in India- Deforestation-Effects of Deforestation-Urban Forestry - Objectives of Urban Forestry- Social Forestry-Constraints in Social Forestry - Collective Participatory Forest Management – Recent National Forest Policy Act

Unit III: Water Resources in India

Water Resources in India -Surface Water –Ground Water –Water Demand and Utilisation- Water Resource Planning- Multi –objective Approach-Benefit Cost Ratio-Capital outlay-Environmental Impact Assessment (EIA)-Manageability of the project-Sustainable Water Management-Recent National Water Policy

Unit IV:Mineral Resources

Mineral Resources- Metallic Minerals-Non Metallic Minerals –Mineral Fuels-Environmental Costs of Extracting Mineral Resources-Environmental Impacts of Mineral Resource Extraction and Use-Mineral Conservation and Development Rules (1988)

Unit V:Conservation and Management of Natural Resources

Conservation and Management of Natural Resources - Meaning and objectives of Conservation. Conservation of Renewable Resources: Soil conservation- Water conservation-Forests conservation-Fish Conservation-Biodiversity Conservation. Conservation of Non Renewable Resources: Energy Conservation-Mineral Conservation

Text Books:
1. M.L.Jhingan, ChandarK.Sharma (2007) Environmental Economics Theory, Management and Policy, Vrindha Publications, New Delhi
2. G.Paneerselvam (2008) Economics of Natural Resources in India , Abhijeet Publications ,New Delhi

Reference Books:
1. Jon .M.Conrod (2010), Resource Economics ,Cambridge University Press,U.K
2. John C.Bergstrom& Alan Randall (2010), Resource Economics –An Economic Approach to Natural Resource and Environmental Policy, Edward Elgar Pub,Ltd
3. Judith Rees (2019) Natural Resources Allocation Economics and Policy,Routledge,UK

Web Resources:
1.https://www.india.gov.in/topics/environment-forest/natural-resources
2.https://ibm.gov.in/writereaddata/files/09182018162439Mineral%20Scenario%20pdf.pdf

Course Outcomes (COs):
Upon Completion of this course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Ability to understand land resources in India and the issues related to it	K_1, K_2, K_3K_4
CO2	Assess the availability of Forest resources and understand the methods to conserve the resources	K_1,K_2, K_3 K_4
CO3	Understand the water resources in the country and related environmental issues	K_1,K_2, K_3K_4

CO4	Trace the mineral resources in the country	K_1, K_2, K_3K_4
CO5	Ability to know about conservation of Natural Resources	K_1,K_2,K_3,K_4

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3	3	3	3	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

(2) ECONOMICS OF CLIMATE CHANGE

Course Objectives
1. The objective of this course is to analyses climate change from an economic perspective.
2. The problem is characterized as one of regulating a global stock externality in an intertemporal setting and in the presence of uncertainty and irreversibility.

Unit I:Introduction
Science of climate change; global and regional climate predictions; uncertainty in science; physical impacts of climate change – agriculture, sea level rise, health, extreme events; policy debate.

Unit II:Climate Change Policy - Mitigation
Efficiency, public goods, externalities; environmental policy instruments – emissions trading, carbon tax, emission trading versus tax; stock pollutants and discounting; decisions under risk and uncertainty;

Unit III:Integrated Assessment
Costs and benefits of greenhouse gas mitigation; integrated assessment models; simulation exercises based on DICE model and its variants; sensitivity and uncertainty analysis; Stern review.

Unit IV:Climate Change Policy - Adaptation
Climate change impact assessment – applications for agriculture, sea level rise and health; vulnerability assessment; economics of adaptation; measurement of adaptation cost; issues in financing adaptation.

Unit V:Climate Change Negotiations and Equity
Criteria for distribution of emission reduction burden; distribution criteria for adaptation fund; inter and intra-generational equity issues; discounting in climate change context

Text Books:
1. Perman, R., Ma. Y., Common, M., Maddison, D., Mcgilvray, J., Natural Resource and Environmental Economics, Pearson Education Limited, 2011 (4th Edition).

2. Intergovernmental Panel on Climate Change – Fifth Assessment Report, 2011 Stern, N., The economics of climate change – The Stern Review, Cambridge University Press, 2006.

Reference:
1. F. Ackerman, E. Stanton: Climate Economics: State of the Art. Routledge (2013)
2. W. Nordhaus: A Question of Balance. Yale University Press (2008)
3. D. Acemoglu, P. Aghion, Leonardo Bursztyn, D Hemous. (2012). "The environment and directed technical change," American Economic Review, 102(1): 131-166.

Web Resources:
1. https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjc
2. https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjc -

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

CO Code	Course Outcomes	K-Levels
CO1	To define and explain the science of climate change.	K1, K2
CO2	To explain and identify the climate change policy.	K2, K3
CO3	To illustrate and analyses the integrated assessment of climate changes.	K2, K4
CO4	To classify, compare and evaluate climate change impact assessment.	K4, K5
CO5	To estimate and illustrate the climate change negotiations and equity.	K5, K6

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	3	3
CO2	3	3	3	3	3	3
CO3	3	3	3	3	3	3
CO4	3	3	3	3	3	2
CO5	3	3	3	3	3	3
Weightage	15	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

4. SOCIAL ETHICS AND RESPONSIBILITIES
(Women Empowerment, Disability, Social Inclusion)

Course Objective:
1. To understand the importance of Ethical Values.
2. To equip the students with social responsibilities

Unit 1: Introduction

Social Ethics – Definition - -Ethical Model: Golden Rule Model and Kantian Model-Ethical Decision-making, Ethical Dilemmas in Organization, Corporate Governance- Types of Ethical Issues - Theft - Bribery and Corruption - Exploitation of Employees – Discipline - Whistle Blowing.

Unit 2: Workplace and Professional Ethics

Ethical Issues in Workplace- Types - Accountability - Employee Favoritism -Bad Leadership Behavior-Gender Ethics- Sexual Harassment and Discrimination.

Unit 3: Social Responsibility of Business

Social Responsibility of Business – Shareholders-Employees -Customers-Community and Government - Corporate Social Responsibility Initiatives -Dimensions-Ethics of Environment Protection & Pollution Control.

Unit 4: **Social Inclusion**

Meaning of Social Inclusion and Exclusion – Dimensions of Social Inclusion- Gender Inclusion and Equality

Unit 5: Opportunities for Disabled

Mainstreaming Disability- Provision of Employment Opportunities for disabled – Indian Government Schemes – Ministry of Social Justices and Empowerment

Textbooks:
1. Jenny Teichman (1996) Social Ethics A Student's Guide Wiley Blackwell
2. **John S.Feinburg and Paul D.Feinburg(2010) Ethics for a Brave New World, Crossway.**

References
1. **Denis Collins and PatriciaKanashiro (2017) Business Ethics: Best Practices for Designing and Managing Ethical Organizations SAGE Publications, Inc; Third edition**
2. **William H.Shaw (2016) Business Ethics : A textbook with Cases Cengage Learning**
3. Govindarajan M.,Senthilkumar M.S. Natarajan (2013)Professional Ethics and Human Values, PHI

Web Resources
1. https://pachamama.org/social-justice/social-responsibility-and-ethics
2. http://www.fimt-ggsipu.org/study/bbabi310.pdf
3. **https://www.socialworkers.org/About/Ethics/Ethics-Education-and-Resources**

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the importance of Ethics and outlining the various types of Ethical Issues in an organization	K1, K2, K4
CO2	Categories the ethical issues in the workplace	K2, K4, K5
CO3	Evaluate the need for Corporate Social Responsibility	K1,K4
CO4	Design Policies for Social inclusion	K4,K5
CO5	Know various schemes for disabled	K5,K6

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	2	3	3

CO3	3	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	3	3
Weightage	15	15	14	14	15
Weighted percentage of Course Contribution to Pos	3	3	2.8	2.8	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low 2 – Medium 3 – High 0 – No Correlation

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HUMAN RIGHTS

MOOC Course

ADVANCED MACROECONOMICS

Course Objective:
   1. This course on macroeconomics intends to make the students understand the working of the economy as a whole, integrating the different markets**.**
   2. This course also gives the Classical and Keynesian perspectives on the economic factors affecting an economy's general equilibrium.

Unit 1: Classical, Keynesian and Post Keynesian Macroeconomics
Classical Theory of Output and Employment- Full employment equilibrium- AD-AS Model-Keynesian Theory of Output and Employment- Under employment equilibrium- Effective Demand-Hicks Hansen IS-LM- BP Model.

Unit 2: The New Classical Macroeconomics
Assumptions of Rational Expectation Hypothesis- Policy Ineffectiveness Theorem- Aggregate supply hypothesis- Policy implications of new classical Approach- Source of Productivity shocks in Real Business Cycle Theory- Stabilisation Policy and Unemployment- Role of money in Real Business Cycle Theory'- Policy implications of real business cycle theory- DAD-DAS Model.

Unit 3: New Keynesian Macroeconomics
Core propositions of new Keynesian macroeconomics- Wage and Price Rigidities- New Keynesian business cycle theory- Policy implications of new Keynesian macroeconomics

Unit 4: Open Economy Macroeconomics
Openness in goods in financial market- output interest rate and exchange rate- exchange rate regimes-exchange rate and balance of payments- Mundell- Fleming Model.

Unit 5: Macroeconomic Policies
Stabilisation policies- Theory of policy- Tinbergens Approach- Fiscal Policy- Monetary Policy- Optional Policy Mix- Crowding out effect- Bond Financed and Tax Financed Government Expenditure- Rules Vs Discretion- Government Budget and Budget Deficit.

Text Books
   1. Dornbusch, Rudiger, Stanley Fischer, and Richard Startz (2000). Macroeconomics, Tata McGraw-Hill Publishing Company, New Delhi.
   2. Roger E.A. Farmer (2002), Macro Economics, Thompson Asia Pvt. Ltd., Singapore.

Reference Books
   1. Michl, T. R. (2015). Macroeconomic Theory: A Short Course: A Short Course. Routledge.Levacic, R. (1982). Macroeconomics: an introduction to Keynesian-neoclassical controversies (No. 339.2 L4.).Macroeconomics: Dornbusch, Fischer, and Startz (Ninth Edition), 2004. Tata McGraw-Hill
   2. Blanchard, O., &Giavazzi, F. (2003). Macroeconomic effects of regulation and deregulation in goods and labor markets. The Quarterly Journal of Economics, 118(3), 879-907.Romer D., 1996,Advanced Macroeconomics, McGraw-Hill International.
   3. Obstfeld, M., Rogoff, K. S., & Wren-lewis, S. (1996). Foundations of international macroeconomics (Vol. 30). Cambridge, MA: MIT press.Krugman, P.R., and M. Obstfeld, 2003, International Economics: Theory and Policy, 6th edition, India: Pearson Education.

Web Resources
   1. https://www.econlib.org/library/Enc/bios/Keynes.html
   2. https://www.postkeynesian.net/post-keynesian-economics/
   3. https://www.bu.edu/econ/files/2014/08/DLS1.pdf

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Defines and understand the concepts of general Equilibrium in the Economy and its models and approaches	K1, K2

CO2	Define, Illustrate and examine the role of rational expectations influencing macroeconomics variables, models of income and the various approaches to the working of business cycles.	K1, K2, K4
CO3	To demonstrate, identify and to understand the functions of the major propositions of new Keynesian macroeconomics	K2, K3, K4
CO4	To understand how, Evaluate and to analyse the open economy model in post Keynesian era	K1, K4, K5
CO5	To explain and apply the role of stabilization policies such as fiscal and monetary policy on the economy and to analyze, elaborate and to know the importance government policies and tax frame work	K2, K3, K4, K5, K6

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	3
CO5	3	3	3	3	3
Weightage	12	15	13	13	15
Weighted percentage of Course Contribution to Pos	2.4	3	2.6	2.6	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

PUBLIC ECONOMICS

Course Objectives:
1. To understand the economics of government expenditure and taxation.
2. To discuss the implications of policy for efficiency and equity.

Unit I: Introduction
Introduction Role of public finance - Major Fiscal functions- Private and Public goods – Mixed goods – Merit goods- Social goods-Market failure Public goods and externalities.

Unit II: Theories of Public Expenditure
Public Expenditure Theories of Public Expenditure – Musgrave – Wagner - Peacock Wiseman– Growth of Public Expenditure – Canons and Evaluation of Public Expenditure.

Unit III: Taxation
Taxation and Public Debt Direct and Indirect taxation – Cannons and Principles of Taxation – Theory of optimal taxation – modern theory of incidence- Classification and Sources of public debt–Burden of public debt–Principles of public debt–Methods of repayment of public debt–Compensatory aspects of public debt policy.

Unit IV: Fiscal Policy
Fiscal Policy and Fiscal Federalism Objectives and Instruments of Fiscal policy –Compensatory Fiscal policy – Fiscal policy for Economic stability and growth– Effectiveness of fiscal policy- Fiscal federalism – Role of finance commission – Principles – Recommendations of 14th Finance Commission and Terms of Reference of the 15th Finance Commission – Transfer of resources from Union and States and States to Local Bodies.

Unit V: Financial Administration
Indian Public Finance - Financial Autonomy in India – Tax Reform proposals of Kelkar Committee Tax structure and Working of Fiscal federalism in India – Resource transfer from union to state of Tamil Nadu – VAT – Merits and Demerits- GST design, implementation and impact- Fiscal consolidation in India since 2001-2002 – Fiscal responsibilities of central and state- FRBM Act 2003- Central and State government Budgets – issues of fiscal deficit- Fiscal policy and Economic downturn : Fiscal correction versus additional Stimulus.

Text Books:
1. Tyagi B.P., Public Finance, Jai Prakash Nath & Company, 2014
2. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.

References:
1. AmerashBagchi (2005), Readings in Public Finance, Oxford University Press, New Delhi.
2. Rao, M. Govida and Nirvikar Singh, (2005), The Political Economy of Federalism in India, Oxford University Press, New Delhi.
3. Government of India, Economic Survey (Annual issues). Ministry of Finance, New Delhi. Tamilnadu State Council for Higher Education 15.

Web Resources:
1. https://www.india.gov.in/my-government/documents/policy
2. http://www.niti.gov.in
3. https://www.indiabudget.gov.in/

Course Outcomes (Cos):
Upon Completion of this course, the students will be able

No.	Course Outcomes	K-Levels
CO1	To label and interpret the basic theories of public finance.	K1,K2,

CO2	To explain, identify and analyse the public expenditure.	K2,K3,
CO3	To recall, outline and determine about taxes	K1,K2,K5,
CO4	To organize, examine and evaluate about fiscal policy.	K3,K4,
CO5	To summarize, develop and explain about Indian public finance.	K2,K3,K5,

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
 0 – No Correlation

Core Course CC PG - IX
RESEARCH METHODOLOGY

Course Objectives
1. This course describes the ethical issues in social science research and the present position of economic research. It covers data collection methods and different types of research design. It also discusses about qualities of a good research report

2. To Develop and equip quality research culture among students

Unit I: Research in Economics
Research Methods in Economics Nature of Social Science Research – Research Methods in Social Science – Formulating the problem- Types and Sources of Hypothesis – Characteristics of a Good hypothesis- Components and types of research design – Collection of data – sources and methods- Presentation of results – Format of a Report.

Unit II: Data Collection
Sampling and Data collection Sampling; Need, types, Probability sampling, random, systematic, stratified, multistage or cluster sampling, Non Probability sampling; Purposive Judgment, quota and snowball sampling- Data collection; Primary and Secondary data; NSS and censes data Methods of data collection-Tools of data collection; schedule and questionnaire.

Unit III: Research Design
Data Processing and Presentation Processing and analysis of data: Editing, coding and tabulation; use of computers in social science research- Diagrammatic and graphic representation of data- Interpretation of results and Report writing – Preparation of Project Proposals.

Unit IV: Data Analysis - I

Statistical Inferences Census Versus sampling -Random and Non-Random sampling Techniques Estimation – Point and interval estimation – Statistics and Parameter – Standard Error – Confidence interval- Null and Alternative hypothesis – Type I Error and Type II Error, Level of Significance – Critical region – Steps in Testing of Hypothesis.

Unit V: Data Analysis - II

Large and small Sample Tests Properties and uses of Normal Distribution – Standard normal 'Z' Statistic Z-Test of Significance of proportions, means and Correlation- 't' Test for sample mean and Equality of mean – Paired 't' Test- Chi-Square Test for Association of Attributes.

Text Books:
1. C.R. Kothari (2002), Research Methodology Vikas publishing House, New Delhi.
2. Goode W. J and Hatt(1952), Methods in Social Research, Mcgraw Hill Book Co, Tokyo.

Reference:
1. Young, Pauline V., Scientific Social Surveys and Research, 4th Edition, Prentice Hall of India, 1977
2. Bryman, Alan, Social research methods, 4th Edition, Oxford University Press, 2008
3. Patton, M.Q., Qualitative Research and Evaluation Methods, 3rd Edition Sage 41 Publications, 2002

Web Resources
1. www.socialresearchmethods.net
2. www.ualberta.ca
3. http://finmin.nic.in

Course Outcomes (Cos):

Upon Completion of this course, the students will be able

No.	Course Outcomes	K-Levels
CO1	To understand what are all the basic concepts in Research and explain means of data collection	K1, K2
CO2	Explain and distinguish various sources of primary and secondary data and to apply it in data collection	K2, K3, K4
CO3	Demonstrate, construct, and explain the functions of presenting data in different methods	K2, K4, K5, K6
CO4	To develop the statistical inference and to explain the errors that can happen during data analysis	K3, K4, K5, K6
CO5	To illustrate, identify, evaluate and create new models and evaluate the data	K2, K3, K4, K5, K6

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	2	3
CO2	2	3	2	3	3
CO3	2	3	3	3	3
CO4	3	3	3	2	2
CO5	3	3	3	3	3
Weightage	12	15	14	13	14
Weighted percentage of Course Contribution to Pos	2.4	3	2.8	2.6	2.8

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Core Course CC PG - X

ECONOMETRIC METHODS

Course Objectives:
1. To provide an understanding on the knowledge of Econometrics and its use for Economists and social scientists, how economic theories are used to test empirical data.
2. To provide in depth knowledge on the Econometric models and to examine the meaning and applicability of dummy variables and to recall the basic methods of time series data.

Unit I:Basic Regression
Analysis nature and scope of econometrics – simple regression model: specification, OLS method, assumptions of CLRM and Gauss Markov theorem, hypothesis testing and goodness of fit – extensions of simple regression model: regression through origin, scaling and units of measurement, functional forms of regression model – maximum likelihood estimation.

Unit II: Dummy Variable
Dummy Variables- Nature of Dummy Variables- ANOVA Models, ANCOVA Models- Dummy Variable alternative to Chow test- Uses of Dummy Variables Seasonal Analysis-Piecewise Linear Regression. Qualitative response Regression Model- Linear Probability Model, Logit Model, Probit Model, Tobit Model.

Unit III: Dynamic Econometric Model
Dynamic Econometric Model: Autoregressive model and Distributed lag model – Estimation of Distributed Lag Models, The Koyck approach to Distributed—Lag models-Adaptive Expectations Model, Partial Adjustment Model. Estimation of Autoregressive Model- Almon approach to Distributed-Lag Models.

Unit IV: Simultaneous Equation Model
Simultaneous Equation Model-Simultaneous equation bias- Identification Problem-Rules for Identification-Test of Simultaneity-Test of Exogeneity.Simultaneous Equation Methods- Recursive models and ordinary least squares- Methods of Indirect Least squares-Method of Two-Stage least squares– Generalized least squares.

Unit V:Time Series Econometrics
Introduction to Time Series Econometrics: Stochastic Process - Stationary and Non Stationary stochastic process-Unit root stochastic process- Trend stationary and difference stationary stochastic process-Integrated stochastic process – Properties- Unit root tests – Cointegration Model.

Text Books:
1. DamodarN.Gujarati&Sangeetha (2019)Basic Econometrics Tata McGraw-Hill Publishing company Limited New Delhi
2. K.Dhanasekaran(2012) Econometrics, Vrinda Publications.

References:
1. Gujarathi, D.N. (2005), Text Book of Econometrics[McGraw-Hill, New Delhi].
2. Kalirajan, K.P. (1995,.Applied Econometrics [Oxford and IBH, New Delhi].
3. Suresh, J. Ghosh (1994), Econometric Theory and Applications[Prentice Hall of India, New Delhi],
Web Resources:
1. https://learneconometricsfast.com.
2. https://inomics.com.
3. https://economicsnetwork.ac.uk.

COURSE OUTCOMES:
Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Examine the meaning and applicability of dummy variables	K1, K2, K4
CO2	Estimate the Auto Regressive model and the role of lags in dynamic econometric models	K4, K5
CO3	Identify the problems of ignoring OLS assumptions	K3, K4

CO4	Gain in-depth knowledge in Simultaneous equation models	K2, K4
CO5	Analyze the stochastic process and cointegration model	K3,K5

K$_1$ – Knowledge, K$_2$ - Understand, K$_3$ – Apply, K$_4$ – Analyse, K$_5$ – Evaluate, K$_6$ – Create.

CO-PO Mapping (Course Articulation Matrix)

CO/PSO	PSO 1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	2
CO2	3	2	3	3	3
CO3	3	3	3	3	3
CO4	3	2	3	3	3
CO5	3	3	3	2	3
AVERAGE	15	13	15	14	14
Weighted percentage of Course Contribution to Pos	3.0	2.6	3.0	2.8	2.8

Level of Correlation between PSO's and CO's
A(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Elective PG – V- Discipline Centric
(1) ECONOMICS IN EVERYDAY LIFE
Course Objectives
1. To ensure the economic view of society and to familiarize the most basic concepts of economics

2. To helps the students to reason and apply economic concept in everyday life

Unit 1: Thinking about Prices
What is price - Howarepricesdetermined:TheconceptofwillingnesstoPay-UnderstandingInflation: Meaning of Inflation and how it is measured in India- Inflation rate and the prices you payinshops:whytheydiverge - Application:whypricesarehigherinsomelocationsthan others although the production and selling costs areidentical.

Unit 2: Economics of Social Customs
Economics of rising age of marriage and declining family size – Economics of Divorce- How economic globalizationischangingtheIndianfamily-Economicsofgift-giving:whyvalueofgiftin kind is higher compared to gift in cash-Application: Reasoning about economic Inequality between men andwomen.

Unit 3: Economics of Social Evils
Discrimination: Why discrimination can be rational and the economic harm it causes- Pollution: The economic roots of the pollution problem- Economics of the leisure -Addiction: Economic case or legalizing drugs as solution to addiction- Corruption-An Economists Perspective- application: Why prohibition does more harm than good: An Economic Perspective.

Unit 4: Economics of Arts, Sports, and Science

Understanding the declining demand for performing arts from economic perspective- EconomicsofSports:Roleofeconomiccompetitioninsportingactivity-Economicsand Science: science perspective of economics - Whatmotivatesscientificresearch? -Application:HoweconomicGlobalization and commercialization enrich Indianmusic.

Unit 5: National Issues
TheUnionBudgetandyou–Taxes,SubsidiesandFiscalDeficit-Howthestockmarket works – Bulls and Bears- Gig economy - The global economic crisis: Its origin and impact on India- Application: Living through an economic downturn.

Text Books:

1. Robert J. Stonebraker (2005), The Joy of Economics: Making Sense of Life, Winthrop University

2. Tim Harford (2000), The Logic of Life: Discovering the New Economics of Everything, (London: Little).

3. PaulHayne(1998),EconomicWayofThinking,PrenticeHall.

References:
1. Penson, T. H (2011), The Economics of Everyday Life: A First Book of Economic Study, NabuPressCambridge University Press
2. David D. Friedman (1997), Hidden Order: The Economics of Everyday Life, HarperBusiness
3. David George Surdam (2015), Century of the Leisured Masses: Entertainment and the Transformation of Twentieth-Century America, Oxford University Press

Web Resources
1. https://www.economicshelp.org/blog/5628/economics/applying-economics-in-everyday-life/
2. https://www.sociologygroup.com/economics-in-everyday-life/
3. http://acdc2007.free.fr/woodcock2020.pdf

Course Outcomes (Cos):
Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	To know what is price and to explain and identify its mechanism in economies function	K1, K2, K3
CO2	To define, illustrate and evaluate the value of economics in social customs of the society	K1, K2, K5
CO3	To find and examine the evils happening in the economy and to identify and measures to overcome those evils	K1, K3, K4, K5
CO4	To illustrate, analyse the importance of various dimensions of economics in the society	K2, K4, K5
CO5	Analyse, measure and to discuss the role of economics in the effective functioning of the country	K4, K5, K6

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	2	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	2	3	3
CO5	3	3	3	2	2
Weightage	14	15	13	14	13
Weighted percentage of Course Contribution to	2.8	3	2.8	2.8	2.8

Pos					

Level of Correlation between PSO's and CO's

(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)

Assign the value

1 – Low

2 – Medium

3 – High

0 – No Correlation

(2) ENTREPRENEURIAL DEVELOPMENT

Course Objectives:
1. To understand the concept of Entrepreneurship
2. To understand the responsibilities and process of an entrepreneur

Unit I: Introduction

Introduction of Concepts Concept of Entrepreneur – characters of an Entrepreneur – distinction between Entrepreneur & Manager – function & Types of Entrepreneur. Concept Entrepreneurial ship – Role in Economic Development, Women Entrepreneurial ship – function, problems recent trends.

Unit II:Entrepreneurial Growth

Entrepreneurial Growth Economic & Non-Economic Factors – Role of Government Entrepreneurial Motivation – Theories – factors- Entrepreneurial Development – Need, Objectives, Phases Evaluation.

Unit III:Project Formulation and Selection

Projects & Entrepreneur Meaning – Identification – Selection- Project Formation: Meaning and Significance - Contents of a Project Report – Formation– Planning Commission Guidelines.

Unit IV:Project Appraisal

Project Appraisal and Finance Concept - methods of Appraisal- Need for financial Planning – Source of finance - Capital structure – Capitalisation –venture capital – Export Finance.

Unit V:Institutional Finance

Institutional Finance to Entrepreneurs Commercial Bank, Industrial Development of India (IDBI),Industrial Finance Corporation of India (IFCI),Industrial Credit & Investment Corporation of India (ICICI) Unit Trust of India (UTI),State Financial Corporation's (SFCs),State Industrial Development Corporation (SIDCO) Exam Bank of India- Institutional Support to Entrepreneur National Small Industries Corporation Ltd.(NSIC)- Small Industries Development Organisation (SIDO)- Small Scale Industries Board (SSIB)- State Small Industries Development Corporations (SSICS)- Small Industries Service Institutes (SISI)- District Industries Centre (DICs).

Text Books:
1. Dr.S.S.Khanka (2011), Entrepreneurial Development, S.Chand& Company Ltd, Ram Nagar New Delhi. State Integrated Board of Studies – Economics PG 58.
2. 4. Poornima M. Charantimath, (2007), Entrepreneurship Development and Small Business Enterprises, Pearson Education, New Delhi.

Reference Books:
1. Vasant Desai, (2008), Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, New Delhi.
2. Robert D. Hisrich, Michael P. Peters and Dean A. Shepherd,(2007) Entrepreneurship, Tata McGraw Hill, New Delhi.
3. Khanka, S.S. (2007), Entrepreneurial Development, S.Chand& Company, New Delhi.

Web Resources:
1. https://www.startupindia.gov.in/content/sih/en/reources/l-d-listing.html
2. https://elearningindustry.com/entrepreneurship-and-elearning-top-5-elearning-options-newbie-entrepreneurs

Course Outcomes (COs):
Upon Completion of this course, the students will be able to

S.No	Course Outcomes	K-Levels
CO1	Understand the concept of Entrepreneurship	K_1, K_2, K_4
CO2	Ability to learn the factors involved in business	K_1,K_2, K_4
CO3	Identify the process involved in the project	K_1,K_2, K_3 K_4
CO4	Assess the methods of Project Appraisal	K_1, K_2, K_3 K_4 K_5
CO5	Acquire the knowledge about source of Finance	K_1,K_2,K_3,K_4

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	3	3	2	3	3

CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	2	3	3
Weightage	15	15	12	15	15
Weighted percentage of Course Contribution to Pos	3	3	2.4	3	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

<div align="center">

Skill Enhancement – PG - II
PERSONALITY DEVELOPMENT --FACING OF INTERVIEW IN PRIVATE AND GOVERNMENT JOBS
</div>

Course Objectives:
1. To mark the students able and effective leadership and personality development
2. To learn the self-evaluation skill

Unit I: Concept of Personality
Personality - Definition and meaning, Importance, Leadership and Management, Leader vs Manager, Essential qualities of an effective leader

Unit II: **Personality Characteristics**
Personality: Concept and Definition, Determinants of personality, Personality traits, Personality characteristics in organizations

Unit III: Self-evaluation
Self-evaluation, Locus of control, Self-efficacy, Self-esteem, Self-monitoring: Positive and negative Impact. Organizational Context of Leadership and Personality - Contemporary Business Leaders.

Unit IV: Qualities of Personality Development

Body language - Problem-solving - Conflict and Stress Management - Decision-making skills - Character building -Team-work – Time management - Work ethics and etiquette.

Unit V: Aspects of Employability

Resume building- Interactive session – Facing the Personal (HR & Technical) Interview – Self Introduction - Psychometric Analysis - Mock Interview Sessions.

Textbooks:
1. Parikh, M., & Gupta, R. K. (2010). *Organisationalbehaviour*. Tata McGraw Hill Education Pte. Limited.
2. Mullins, L. J., & McLean, J. E. (2019). *Organisationalbehaviour in the workplace*. Harlow: Pearson.

References:
1. Hofmann, D. A., & Jones, L. M. (2005). Leadership, collective personality, and performance. *Journal of Applied psychology*, *90*(3), 509.
2. Aurther, J. (2006). *Personality development*. Lotus Press.
3. Roberts, B. W. (2006). Personality development and organizational behavior. *Research in organizational behavior*, *27*, 1-40.

Web References
1. https://hbr.org/2017/09/could-your-personality-derail-your-career
2. https://au.indeed.com/career-advice/resumes-cover-letters/personal-skills
3.https://socialsci.libretexts.org/Courses/College_of_the_Canyons/COMS_246%3A_Interpersonal_Communication_(Leonard)/2%3A_Communication_and_the_Self/2.1%3A_Self-Concept%2C_Self-Esteem_and_Self-Efficacy

Course Outcomes (Cos):
Upon Completion of this course, the Students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the importance of personality development	K1, K2, K3
CO2	To evaluate the Characteristics of Personality	K3, K5
CO3	Examine and analyse the concept of Self-evaluation	K2, K4
CO4	Describes the concept of Qualities of Personality Development	K1, K2
CO5	Create the self-evaluation and Organizational Context of Leadership and Personality	K1, K4, K5

K1 – Knowledge, K2 - Understand, K3 – Apply, K4 – Analyse, K5 – Evaluate, K6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	2	3	3	3	2	3
CO2	3	3	3	3	2	3
CO3	3	2	3	2	2	3
CO4	3	2	2	2	3	3
CO5	3	2	2	2	3	3
Weightage	14	12	13	14	12	15
Weighted percentage of Course Contribution to Pos	2.8	2.4	2.6	2.8	2.4	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium

3 – High
  0 – No Correlation

Internship / Industrial Activity
Skill Enhancement in companies and Institutions

INTERNATIONAL ECONOMICS

Course Objectives:
1. To make the students to understand theories of International Trade.
2. To understand the concept of balance of payments and equilibrium in BOP and to know the functioning of international institutions and its role.

Unit I: Theories of Trade - I
Pure Theory of International Trade Comparative Cost Theory - Refinements of Comparative Cost Theory Modern Theory of Factor Endowments – Leontief Paradox- Factor price equalization theorem – Factors Intensity Reversal: The Stolper-Samuelson Theorem and the Rybezynski Theorem.

Unit II: Theories of Trade - II
Recent Theories of International Trade Karvi's Theory of Availability – Lindar's Theory of Volume of Trade and demand pattern- Posner's Technological Gap Theory – Vernon's Product Cycle Theory - Kenen's Human capital theory- Intra- Industry Trade – Theory of Imperfect Competition - Strategic Theory – External Economies and International Trade.

Unit III:Balance of Payment
Balance of Payments Policies BOP Disequilibrium – Adjustment Mechanism: Elasticity Approach, Absorption approach and Monetary Approach- Expenditure changing monetary and fiscal policy – Monetary and Fiscal policies for internal and external balance: The Swan Model and Mundallian Model- Expenditure Switching Policies and Expenditure Reducing Policies – Foreign Trade Multiplier.

Unit IV: Foreign Aid
Foreign Aid and MNCs. Foreign Aid - Types of Foreign aid – Advantages and Disadvantages – Factors determining foreign aid - Foreign Investment – Foreign Direct investment – Types of FDI – FDI Policy of India- Multinational Corporations – Features of Multinational Corporations - Advantages and Limitations of MNCs – MNCs and International Trade.

Unit V:Foreign Exchange
Managing Foreign Exchange Risk Foreign exchange risk - Sources of foreign exchange risk – types of exchange rate risk - Transaction risk, Translation risk, Economic risk Measurement of Exchange Rate Risk - value-at-risk (VAR) model. Methods of managing foreign exchange risk - internal and external techniques- Forward contracts, Money market hedges, Currency futures, Currency Options, Currency swaps.

Text Books:
1. D.N. Dwivedi (2013) International Economics: Theory And Policy. Vikas Publishing House ,New Delhi
2. M.L.Jhingan (2016) International Economics, Vrindha Publications ,New Delhi

References:
1. Francis Cherunillam (2004), International Economics (Tata McGraw Hill, New Delhi).
2. Paul Krugman and Maurice (2013), International Economics: Theory and PolicyObstfeld (New Delhi: Pearson).
3. J.N. Bhagwati (2003), Free Trade Today (Oxford University Press, New Delhi).State Integrated Board of Studies – Economics PG 20.

Web References:
1. https://www.worldbank.org/en/country/eu
2. https://www.imf.org/en/Data
3. https://www.economagic.com/

Course Outcomes (COs):
Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand Theories of International trade	K_1, K_2, K_3
CO2	Learn the Recent Theories in International trade	K_1, K_2, K_3

CO3	Ability to know the concept of Balance of Payments Policies	K_1, K_2, K_3, K_4
CO4	Assess the working of MNC s,Foreign Aid	K_1, K_2, K_3
CO5	Understand the working of Foreign Exchange	$K_1, K_2, K_3,$

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	3
CO2	3	3	3	2	3
CO3	3	3	3	2	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	12	15
Weighted percentage of Course Contribution to Pos	3	3	3	2.4	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Core Course - CC PG -XII
DEVELOPMENT ECONOMICS

Course Objectives:
1. Tracing the evolution of theories of economic development
2. To impart ideas on economic development and economic growth and its determinants and to familiarize the students about the index of measuring economic development

Unit I: Introduction conceptualizing development
Introduction Conceptualizing development: (a) GNP) as development indicator (b) Sen's capabilities approach to development: The Human Development Index- The structural characteristics of developing economies- Factors of development : (a) Capital accumulation (b) Labour (c) Natural resources (d) Technological Progress (e) Social institutions cultural values and entrepreneurial ability.

Unit II: **Theories of Development as growth**
Theories of Development as growth: (a) Harrod-Domar model (b) Rostow's stages of growth theory (c) Lewis theory (d) balanced and unbalanced growth (e) Neo classical growth theory –Solow Model- Contemporary theory of development: (a) New growth theory: Romer model (b) Underdevelopment as Co-ordination failure (c) Kremer's O-Ring theory of development- Dependency theory-path dependence in development: QWERTY- Geography and development: Krugman's theory.

Unit III: **Poverty, Inequality and Human Capital Measurement**
Poverty, Inequality and Human Capital Measurement of inequality and poverty-Inverted –U hypothesis - Cause of inequality- Investing in education and health-the human capital approach Education and

Development (a) social and private benefits of education- (b) education, inequality and poverty (c) Women's education and development Health system in development (a) health and productivity (b) financing health system in developing economics (c) Gender perspective in health care.

Unit IV: **Agriculture and Rural Development**

Agriculture and Rural Development The role of agriculture in development- Agricultural policy: (a) agricultural taxation (b) pricing policy- Risk aversion and uncertainty in subsistence farming-sharecropping and interlocking factor markets- Rural urban migration –Todaro model –Rural credit markets (a) providers and characteristics (b) theories of informed credit markets: lender's monopoly and default collateral.

Unit V: **Policies for Market Development**

Policies for development Market and the state in development:(a) The Washington consensus components and critical evaluation (b) The role of state in development (c) market failure state failure and development- Trade Policy in development : (a) import substitution (b) export promotion- Fiscal policy for development: (a) direct Vs indirect taxes (b) pattern and level of taxation.- Financial system in development: (a) the role of financial system in development (b) role of central banks (c) financial liberalization.

Text Books:

1. Jhingan M.L. Jhingan B K.,2019 The Economics of Development and Planning.,42 ed.,Vrinda Publications

2. Agrawal, A.N., Indian Economy: Problems of Development and Planning

References
1. Michael P. Todaro and Stephen C. Smith (2004), Economic Development, Pearson Education, Singapore cha- 2, 6,7, 8.
2. Yujiro Hayami (2003), Development Economics: OxfordUniversity Press, New Delhi. Tamilnadu State Council for Higher Education 17.
3. Debraj Ray (2009), Development Economics, OxfordUniversity Press, New Delhi.

Web Resources

1. https://economicsconcepts.com/human_development_index_(hdi).ht m

2. https://hdr.undp.org/data-center/human-development-index#/indicies/HDI

3. https://web.stanford.edu/~chadj/facts.pdf

Course Outcomes (Cos):

Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	Understand the concepts of Development	K_1, K_2, K_3
CO2	Acquire knowledge about the theories of economic development	K_1, K_2, K_3
CO3	Ability to understand the concepts related to Poverty , Inequality, Health and Education	K_1, K_2, K_3
CO4	Gain knowledge about the insights of Rural Development	K_1, K_2, K_3, K_4, K_5
CO5	Understand the role of State in Fiscal Management	K_1, K_2, K_3, K_4, K_5

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	3
CO2	3	3	3	2	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	2	3
Weightage	15	15	15	12	15

Weighted percentage of Course Contribution to Pos	3	3	3	2.4	3

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Elective PG – VI
(1) ECONOMICS OF SOCIAL ISSUES
Course Objectives

1. To understand the insights to the economic theory in the design and implementation of public policy related to the social sectors.
2. This course finds roots in social economics, health, education and the problem of discriminations in the society.

Unit I:Introduction – Social Economics
Introduction of Social Economics: Definition – Equality in Human Societies – Role of government – Social security – Subsidies – Social banking – Refugees, Slavery and Beggary. - Principles of Social Doctrines: Marx, Pope and Gandhi.

Unit II:Economics of Health
Concept of Welfare Economics – Health dimensions – Determinants of Health - Demand and Supply of Health care – Financing of healthcare - Concept of human life value – Inequalities in health – Healthcare constraints.

Unit III:Economics of Education
Education as an instrument of economic growth – Concept of human capital – components of human capital – Private and Social demand for education – Educational planning and economic growth – Manpower requirements approach – Human resource mobilization and utilization.

Unit IV:Social Discrimination
Sources of Social Discrimination – Class, Caste, Religion, Race and language – Monopoly power - Consumerism – Provision of information – Economic crimes and their prevention – Violation of Human Rights – Terrorism: Causes and consequences – Need to control terrorism.

Unit V:Human Development Index
Indicators – Life expectancy, Per Capita income and Education - Index – HDI Reports, UNDP - Dimensions - Poverty – Inequality – Gender.
Text Books
1. SeetaPrabhu, K. Economic Reform and Social Sector Development, Sage Publications, New Delhi, 2012.
2. Dreze, Jean and Amartya Sen, Hunger and Public Action, Clarendon Press, London.1999

Reference Books
1. Baumol, W J, & Oates, W E, Theory of Economical Policy, Cambridge University Press, 2000.
2. Culyer, A.J., The Economics of Social Policy, Martin Robertson and Co. Ltd., London. 1993.

3. Douglass C. North and Roger Leroy Miller, The Economics of Public Issues, Harper & Row Press, New York. 2001.

Web Resources
1. https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjI4KeSh
2. https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwjI4KeSh-
3. https://link.springer.com/content/pdf/bfm:978-1-349-15632-0/1.pdf

Course Outcomes (Cos):
Upon Completion of this course, the students will be able to

CO Code	Course Outcomes	K-Levels
CO1	To define social economics and illustrate the role of the government in creating equality in human societies.	K1, K2
CO2	To explain and elaborate the concept of welfare economics with specific reference to healthcare.	K2, K6
CO3	To illustrate and discuss the importance of education in creating human capital; private and social demand for education.	K2, K6
CO4	To recall, classify and compare the various sources of social discrimination, causes and consequences of the same.	K1, K2
CO5	To examine, estimate and illustrate the several components of human development index and the importance of these indices on development of the social sector.	K4, K6

K_1 – Knowledge, K_2 - Understand, K_3 – Apply, K_4 – Analyse, K_5 – Evaluate, K_6 – Create.
CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	3	3	3
CO2	3	3	3	3	3	3
CO3	3	3	3	3	3	3
CO4	3	3	3	3	3	2
CO5	3	3	3	3	3	3
Weightage	15	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

<center>(2) HUMAN RESOURCES DEVELOPMENT</center>
Course Objectives:

1. To make the student understand acquire, develop, motivate, and utilize human resources to achieve organizational goals.
2. To enable students acquire knowledge on effective utilization of manpower and to maintain a harmonious employee-employer relationship among the work teams.

Unit I: Introduction to Human Resource Management (HRM)
Evolution of HRM - Objectives and Function of HRM - Role and Responsibilities of HR Manager - Relevance of HRM - Systems approach to HRM.

UnitII:Recruitment and Selection
Human Resource Planning: Purpose and Process - Recruitment and Selection: Source of Recruitment, Stages in Selection Process - Placement, Goals Analysis: Job Description and Job Specification.

UnitIII:Training and Development
Training and Development: Training Needs, Training Methods, Application of Computers in Training, Developing Effective Training Programmes - Concept of HRD - Management Development Programmes.

UnitIV:Performance Appraisal
Concept and Objectives of Performance Appraisal - Process of Performance Appraisal - Criteria for Performance Appraisal - Benefits of Performance Appraisal - Limitation and Constraints - 360 Degree Performance Appraisal - Promotion-Degree, Transfer Air Separation: Promotion, Purpose, Principles, and Types; Transfer: Reasons, Principles and Types; Separation: Lay-Off, Resignation, Dismissal, Retrenchment, Voluntary Retirement Scheme.

UnitV:Compensation Management
Compensation Management, Major Elements of Compensation Management - Incentives: Concepts, Types of Incentives; Incentives schemes in Indian Industries; Fringe Benefits - Discipline and Employees' Grievance Redressal - .Emerging Trends in HRM.

Text Books:

1. Dessler, Gray, and BijuVarkkey,(2009) Human Resource Management, 11ed., Pearson Education, New Delhi.
2. Aswathappa K (2017) , Human Resource Management: Text & Cases ,8th Edition,, Tata McGraw-Hill Education

Reference Books

1. Rao, V.S.P (2010), Human Resource Management-Text & Cases, Excel Books, New Delhi.
2. David S. Decenzo and Stephen P. Robbins (2006), Personnel & Human Resource Management, 3edition, Prentice-Hall of India, New Delhi.
3. Dwivedi,R.S.(200) A Textbook of Human Resource Management, Vikas Publications, New Delhi.

Web Resources:
1. https://www.shrm.org/
2. https://workforce.com/
3. https://www.hrexaminer.com/

Course Outcomes (Cos):
Upon Completion of this course, the students will be able to

No.	Course Outcomes	K-Levels
CO1	To understand the outline of HRM and concepts therein.	K1, K2, K4
CO2	To know the approaches in acquiring the human talents.	K2, K4, K5
CO3	To analyze the trends in training and developing the manpower acquired.	K1, K3, K4
CO4	To identify the methods to improve the performance.	K1, K2, K4
CO5	To gain insight to motivate and retain the employees.	K3, K2,K5

K$_1$ – Knowledge, K$_2$ - Understand, K$_3$ – Apply, K$_4$ – Analyse, K$_5$ – Evaluate, K$_6$ – Create.

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	3	3	2	3	3
CO2	3	3	3	2	3	3
CO3	3	3	3	2	3	3
CO4	2	3	2	3	3	3
CO5	2	3	2	3	2	3
Weightage	13	15	13	12	14	15
Weighted percentage of Course Contribution to Pos	2.6	3.0	2.6	2.4	2.8	3.0

Level of Correlation between PSO's and CO's
A(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low
2 – Medium
3 – High
0 – No Correlation

Skill Enhancement course / Professional Competency skill Paper
ROLE OF MSMES -
PRACTICE OF PUBLIC AND PRIVATE COMPANIES AND BANKING SYSTEMS

Course Objectives:
1. To enlight the students on various opportunities to start a small scale business and the understand the structure of MSMEs in India
2. To educate students about the schemes and policies in India for companies and banking

Unit I: MSMES in India
Concept of Entrepreneur and Entrepreneurship - Quality and Characteristics of Entrepreneurs - Overview and History of Entrepreneurship - Definition - Overview - History of SMEs in India - Performance(Role/Economic Indicators) - Production - Employment and Export Opportunities in MSMEs - Steps involved in setting up MSMEs.

Unit II: Programs Schemes and Services - I
Schemes Implemented by the ministry/through DC (MSME) Scheme - Scheme under XI Plan - Micro and Small Enterprise Cluster Development Program - Credit Linked Capital Subsidy Scheme for Technology Up

gradation - Credit Guarantee Scheme - Assistance to Entrepreneurship Development Institutes. Programs and schemes of ministry of MSME Special Schemes for Backward area (State and UT to be considered backward and industrially backward Districts) Scheme on trade related entrepreneurship assistance and development (TREAD) for women Promotional Schemes for Women, Schemes Of NSIC, KVIC, COIR Board.

UNIT III: Programs, Schemes and Services - II
Programs and schemes of ministry of MSME - Special Schemes for Backward area (State and UT to be considered backward and industrially backward Districts) - Scheme on trade related entrepreneurship assistance and development (TREAD) for women - Promotional Schemes for Women - Schemes of NSIC,KVIC,COIR Board.

Unit IV: MSME Policies
Central Government Policies - SME and Export Promotion Policy - The MSME Development Act, 2006.

Unit V: Emerging Trends and Institutions Supporting MSME
Overview of World Trade Organization, Intellectual property rights, INSME - (International SME Network) - Bar Coding.

Text Books:
1. Vasant Desai, The Dynamics Of Entrepreneurial Development And Management, Himalaya Publishing House
2. Paul Burns and Jim Dewhurst, Small Business and Entrepreneurship, Palgrave Macmillan; 2nd edition

References:
1. Gupta C.B. and Srinivasan N.P., Entrepreneurship development in India, Sulthan Chand and Sons
2. Kamal Garg, Bharat's Handbook on MSMEs (Micro, Small and Medium Enterprises), Bharat Law House Pvt. Ltd.
3. Indian Institute of Banking and Finance, Micro, Small and Medium Enterprises (MSMEs), TAXMANN

Web Resources:
1. https://msme.gov.in/public-procrument-policy
2. https://www.wto.org/english/thewto_e/thewto_e.htm
3. http://coirboard.gov.in/?page_id=221

Course Outcomes (Cos):

Upon Completion of this course, the Students will be able

No.	Course Outcomes	K-Levels
CO1	To define MSME and to explain the history of it in India	K1,K2
CO2	To summarize and identify numerous schemes for MSMEs	K2,K3, K4
CO3	To analyze and illustrate the programs for women and economic backward	K2,K4
CO4	To know the functions of and discuss about MSME development Act	K4, K6
CO5	To evaluate and estimate the role of WTO in the functioning of MSMEs	K5,K6

CO-PO Mapping (Course Articulation Matrix)

CO /PO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	3	3
CO2	3	3	3	3	3
CO3	3	3	3	3	3
CO4	3	3	3	3	3
CO5	3	3	3	3	3
Weightage	15	15	15	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	3.0	3.0	3.0

Level of Correlation between PSO's and CO's
(Suggested by UGC as per Six Sigma Tool – Cause and Effect Matrix)
Assign the value
1 – Low 2 – Medium 3 – High 0 – No Correlation

EXTENSION ACTIVITY

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