

**FATIMA COLLEGE (AUTONOMOUS)**



**Re-Accredited with “A” Grade by NAAC (3<sup>rd</sup> Cycle)  
74<sup>th</sup> Rank in India Ranking 2020 (NIRF) by MHRD  
Maryland, Madurai- 625 018, Tamil Nadu, India**

**NAME OF THE DEPARTMENT: RESEARCH CENTRE OF ECONOMICS**

**NAME OF THE PROGRAMME: MA**

**PROGRAMME CODE : PAEC**

**ACADEMIC YEAR : 2021-2022**

FATIMA COLLEGE (AUTONOMOUS), MADURAI 625007

Department of Economics (M.A.)  
TO BE IMPLEMENTED FROM: 2021-2022 onwards

VENUE: ECONOMICS DEPARTMENT  
CONVENED ON: 12.04.2021 CONVENED AT: 2.15 PM

MEMBERS PRESENT

- |   |  |
|---|--|
| 1. Dr. Shobana Nelasco  | Head of the Department<br>Fatima College |
| 2. Dr. Pushparaj, Associate Professor<br>Department of Econometrics   | University Nominee                       |
| 3. Dr. R. M. Soundara pandian<br>Professor and Head<br>Department of Rural Industries<br>and Management, Grandhiyam | Subject Expert                           |
| 4. Dr. S. Ganeshan, Associate Professor<br>Department of Economics<br>Bharathidasan University<br>Trichy.           | Subject Expert                           |
| 5. Mr. Maria Kannaga Raj  | Industrialist                            |
| 6. Dr. Rohini, Assistant Professor<br>Department of Economics,<br>St. Antony's College Dindigul                     | Alumna                                   |

7. Dr. S. J. Kala

Dean of Academic Affairs  
B. J. S.

8. Dr. Mrs. A. Regina Mary

Staff Members  
of 1.

Dr. Ms. G. Uma

Dr. Mrs. S. Ivy, Jeno

Mrs. A. Gracy Rani

Dr. Mrs. P. Anita

Dr. Mrs. C. Sakaya Mary Sophia

Dr. Mrs. K. Selvalakshmi

K. Selvalakshmi

Dr. Mrs. R. Sujitha

## 1. ACTION TAKEN REPORT FOR 2020-2021

SOME COMMON SUGGESTIONS OFFERED ACTION TAKEN FOR  
IN THE PREVIOUS BOARD THE YEAR 2020-2021

GENDER Economics can be introduced It was introduced

## 2. New Courses Introduced

S.NO	Course Code	Course Title	Relevance	TO	Scope	FOR	Need	For
			L	R	N	G	By	SD
1	20PG E1 S1	Energy Economics	✓	✓	✓	✓	✓	Introduction
								TO ensure the optimum utilization of scarce resources
2	20PG E2 S2	Health Economics	✓	✓	✓	✓	✓	TO identify the scarcity in health

3. 20P63SL3 Industrial Economics and Labour Laws (Collaboration with M.Com C.A.)

infrastructure and to find out alternative uses for the use of Sikkim and promote health resources

TO spread awareness about the importance of industrial development and steps needed to avoid the factors hindering industrialization.

4. 20P64SL4 Numerical ability for Competitive exam (Collaboration with Maths. notice dept.)

TO succeed in competitive exam through acquiring numerical skills.



## Revised Courses

S.N	Course Code	Course Title	NO and Title of Units Revised with the Revised Content Specified if it not the whole unit	1-4 Revision	Need For Revision	Relevance TO	Scope For L.R.M.M. By Gr. 33
1	19P04EE3	National Income Accounting (40%)	History of national income accounting has been included (1/2 unit)				✓ ✓ ✓
			II unit				
			International Indices: Standard and Poor's 500 Index - Dow Jones Industrial Average (DJIA) Nasdaq 100 Index Vanguard S&P				
			IV unit				
			500 ETF (VOO) Wilshire 5000 Total Market Index. NASDAQ EAFE Index - the Bloomberg Barclays US Aggregate Bond Index				

Unit - II  
 National Accounts  
 Division (NAD)  
 under the  
 Ministry of  
 Statistics and  
 Program  
 Implement  
 ratio, whole  
 sale price  
 Index by the  
 Price Monitoring  
 Cell in the  
 Department of  
 Consumer  
 Affairs under  
 the Ministry of  
 Consumer  
 Affairs. Indian  
 data Collection  
 process has  
 been included

2 19PG2E5 Macro Unit I 3% Good ✓  
 Economics Inflation and  
 Deflation was  
 included

3 19PG4E13 Indian Unit - II 2% Good ✓  
 Fiscal Trends in India's  
 System Public Expenditure  
 during COVID-19

4	19PG3E9	Development Economic	Unit - III Impact of COVID-19 on Economy	2.2%	Global	✓ ✓
5	19PG3E10	Econometrics	Unit - V use of Dummy variables as proxy for qualitative and quantitative variables are included	7%	Contemporary Global relevance	✓ ✓
6	19PG4E15	Environment Economics	COVID-19 and the environment - Positive environmental and negative environmental effects Potential Strategies of Environmental Sustainability	6.2%	Contemporary Global relevance	✓
7	19PG3E11	Research Methodology	Unit - II Census and Sample Survey was included Sample (Unit II) Procedure types of Sampling Methods of Data Collection Hypothesis Testing, Correlation Ranking, Linear	11%	To enhance knowledge of Students in applying statistical tools in their project	✓

Scale, Grade  
ratio, Dichotomous  
Analysis.  
Student t-test  
F-test, Z-test  
Chi-Square  
test,  
Compound growth  
rate.

# Updation of Open Educational Resources in the List of references of each Course

S.No	Course Code	Course Title	Details of Updation
1	19PG1 E1	Micro Economic Analysis	1. <a href="http://www.economicsdiscussion.net/theory-of-production/theory-of-production-and-the-production-function/12410">http://www.economicsdiscussion.net/theory-of-production/theory-of-production-and-the-production-function/12410</a> 2. <a href="http://com.wce.uw.edu/~siwinska/lecture117a.pdf">http://com.wce.uw.edu/~siwinska/lecture117a.pdf</a>
2	19PG1 E2	Statistical Methods	1. <a href="https://stats.stackexchange.com/questions/646/open-source-statistical-text-books">https://stats.stackexchange.com/questions/646/open-source-statistical-text-books</a> 2. <a href="https://www.igi-global.com/book/open-source-software-statistical-analysis/">https://www.igi-global.com/book/open-source-software-statistical-analysis/</a>



3 19PG1E3 Indian Economy

1. <https://www.freebookcentre.net/Business/Economics-Books.html>
2. <https://www.phindia.com/Buy/ShowBook/NTA5/IndianEconomy>

4 19PG1E4 Money and Banking

1. <https://open.vmi.edu/open-textbooks/textbooks/29>
2. <https://courses.lumenlearning.com/ard-fsci-macroeconomics/Chapter/money-and-banking>

5 19PG4E5 Environmental Economics

1. <http://web.ccsu.edu/faculty/lyyam/GEOG433/International-Problems/INTERNATIONAL-ENVIRONMENTAL-PROBLEMS.htm>
2. <http://www.yourarticlelibrary.com/environment/10-major-environmental-challenges-faced-by-india/862>

6 19PG2EDC Women in Small Business

1. <https://www.startupindia.gov.in/content/dam/india/Template/Policystate-Startup-Policies/Tamilnadu-Startup-Policy.pdf>
2. <https://www.made.gov.in/entre.html>

7 19PG2E5 Macro Economic Analysis

1. <https://open.vmi.edu/opentextbooks/books/textbooks/33>
2. <https://ocw.mit.edu/Courses/economics/14-02-principles-of-macroeconomics-spring-2014/>

8 19PG2E6 Mathematics for Economics

1. <https://open.vmi.edu/opentextbooks/subjects/mathematics>

2. <https://www.researchgate.net/publication/228760692> - Mathematical - Methods - for - Economic - Analysis

9 19P02 E7 Financial Markets

1. <https://www.researchgate.net/publication/228760692> - Mathematical - Methods - for - Economic - Analysis

10 19P02 E8 Computer software for Economics

1. <https://www.researchgate.net/publication/4816506> - The Economics - of - Free - and - Open - Source - Software - Contribution - to - a - Government - Policy - on - Open - Source - Software  
2. <https://freecomputerbooks.com/special-open-source-books.html>

11 19P03 E9 Development Economics

1. <https://journals.sagepub.com/doi/full/10.1177/0972063420935541>  
2. <https://voxeu.org/article/economic-consequences-covid-19-multi-country-analysis>

12 19P03 E10 Econometrics

1. <https://stats.stackexchange.com/questions/61827/free-econometrics-text-books>  
2. <https://www.econometricswithr.org/>

13	19PG3E11	Research Methodology	1. <a href="https://www.slidehare.net/DV/research/research-process-and-research-design">https://www.slidehare.net/DV/research/research-process-and-research-design</a> 2. <a href="https://open.unn.edu/open-textbooks/textbooks/175">https://open.unn.edu/open-textbooks/textbooks/175</a>
14	19PG3E12	Financial Economics	1. <a href="https://ocw.mit.edu">https://ocw.mit.edu</a> 2. <a href="https://www.springer.com">https://www.springer.com</a>
15	19PG3EE1	Agricultural Economics	1. <a href="https://www.intechopen.com/books/agricultural-economics-current-issues/introductory-chapter-agricultural-economics">https://www.intechopen.com/books/agricultural-economics-current-issues/introductory-chapter-agricultural-economics</a> 2. <a href="https://www.dphu.org/uploads/attachements/books/20159.OPDF">https://www.dphu.org/uploads/attachements/books/20159.OPDF</a>
16	19PG3EE2	Gender Economics	1. <a href="https://www.igi-global.com/book/gender-economics-breakthrough-research-practice/20767/">https://www.igi-global.com/book/gender-economics-breakthrough-research-practice/20767/</a> 2. <a href="https://oer.brunce.cuny.edu/academic-subjects/gender-studies/">https://oer.brunce.cuny.edu/academic-subjects/gender-studies/</a>
17	19PG4E12	Indian Fiscal System	1. <a href="http://www.blogcatalog.com">www.blogcatalog.com</a> 2. <a href="http://www.oecd.org">www.oecd.org</a>
18	19PG4E13	Behavioural Economics	1. <a href="https://www.mba-asap.com">https://www.mba-asap.com</a> 2. <a href="https://www.routledge.com">https://www.routledge.com</a>

13	19PG3E11	Research Methodology	<ol style="list-style-type: none"> <li>1. <a href="https://www.slideshare.net/DVutearsh/research-process-and-research-design">https://www.slideshare.net/DVutearsh/research-process-and-research-design</a></li> <li>2. <a href="https://open.uhn.edu/open-textbooks/textbooks/175">https://open.uhn.edu/open-textbooks/textbooks/175</a></li> </ol>
14	19PG3E12	Financial Economics	<ol style="list-style-type: none"> <li>1. <a href="https://ocw.mit.edu">https://ocw.mit.edu</a></li> <li>2. <a href="https://www.springer.com">https://www.springer.com</a></li> </ol>
15	19PG3EE1	Agricultural Economics	<ol style="list-style-type: none"> <li>1. <a href="https://www.intechopen.com/books/agricultural-economics-current-issues/introductory-chapter-agricultural-economics">https://www.intechopen.com/books/agricultural-economics-current-issues/introductory-chapter-agricultural-economics</a></li> <li>2. <a href="https://www.dphu.org/uploads/attachements/books/2159.OPdf">https://www.dphu.org/uploads/attachements/books/2159.OPdf</a></li> </ol>
16	19PG3EE2	Gender Economics	<ol style="list-style-type: none"> <li>1. <a href="https://www.igi-global.com/book/gender-economics-breakthrough-research-practice/207676">https://www.igi-global.com/book/gender-economics-breakthrough-research-practice/207676</a></li> <li>2. <a href="https://oer.brunce.com/y.edu/academic-subjects/gender-humans-studies/">https://oer.brunce.com/y.edu/academic-subjects/gender-humans-studies/</a></li> </ol>
17	19PG4E12	Indian Fiscal System	<ol style="list-style-type: none"> <li>1. <a href="http://www.blogcatalog.com">www.blogcatalog.com</a></li> <li>2. <a href="http://www.oecd.org">www.oecd.org</a></li> </ol>
18	19PG4EB	Behavioural Economics	<ol style="list-style-type: none"> <li>1. <a href="https://www.mba-asap.com">https://www.mba-asap.com</a></li> <li>2. <a href="https://www.routledge.com/">https://www.routledge.com/</a></li> </ol>



19	19 PG4 G14	International Economics	1. <a href="https://ocw.mit.edu">https://ocw.mit.edu</a> 2. <a href="https://www.springer.com">https://www.springer.com</a>
20	19 PG4 G15	Environmental Economics	1. <a href="https://web.cba.ucla.edu/faculty/kyam/GEOG433/InternationalProblems/INTERNATIONAL-PROBLEMS.htm">https://web.cba.ucla.edu/faculty/kyam/GEOG433/InternationalProblems/INTERNATIONAL-PROBLEMS.htm</a> 2. <a href="https://www.yourarticlelibrary.com/environment/10-major-environmental-challenges-faces-by-india/9862">https://www.yourarticlelibrary.com/environment/10-major-environmental-challenges-faces-by-india/9862</a>
21	19 PG4 EE4	National Income Accounting	1. <a href="https://nitm.university.in/coursepack/nreunites/nreunites.html">https://nitm.university.in/coursepack/nreunites/nreunites.html</a> , Income Accounting.pdf 2. <a href="http://web.rdx.edu/~ifo/krugman-ostfeld-Melitz/Manuscripts">http://web.rdx.edu/~ifo/krugman-ostfeld-Melitz/Manuscripts</a>
22	19 PG4 G05	Industrial Economics	1. <a href="https://www.freebookcentre.net/business-hostel-downloads/Industrial-Economics-by-university-of-Mamber.html">https://www.freebookcentre.net/business-hostel-downloads/Industrial-Economics-by-university-of-Mamber.html</a> 2. <a href="https://www.freebookcentre.net/Business/Economics-Hostel.html">https://www.freebookcentre.net/Business/Economics-Hostel.html</a>
23	20 PG2 SL2	Health Economics	1. <a href="https://www.dw.com/en/india-covid-vaccine-diplomacy/">https://www.dw.com/en/india-covid-vaccine-diplomacy/</a> 2. <a href="https://www.worldbank.org/en/news/feature/2020/06/08/the-global-economic-salvage-during-the-covid-19-pandemic-a-change-will">https://www.worldbank.org/en/news/feature/2020/06/08/the-global-economic-salvage-during-the-covid-19-pandemic-a-change-will</a>



S.No	Course Code	Course Title	No & Title of units Revised with the Revised Content Specified if it not the whole unit	% of Need Revision	Need For Revision	Remarks	Scope For
1	MPG 4 EE3	National Income Accounting	<p>I - History of national accounting has been included</p> <p>II - International Indices:</p> <p>Standard and Poors 500</p> <p>Dow Jones Industrial Average (DJIA)</p> <p>Nasdaq 100</p> <p>Index - Ranga and S and P</p> <p>500 EIF (Voo)</p> <p>Wilshire 5000</p> <p>Total Market Index - MSCI</p> <p>EAFE Index</p> <p>- The Bloom</p> <p>besy Barclays</p> <p>US Aggregate Bond Index</p> <p>IV - National Accounting</p>	40%		G	✓ ✓ ✓

Division (NAB)

under the Ministry  
of Statistics and

Program Implementation

Whole Sale Price

Index (WPI) and

Consumer Price

Index by the Price

Monitoring Cell in the

Department of Consumer

Affairs under the

Ministry of Consumer

Affairs.

V Indian data

collection process

has been included

2 19PG2E5 Macro I - Inflation and 3%  
Economics Deflation, was  
included

Global ✓

3 19PG4E3 Indian II - Trends in India's 2%  
Fiscal Public Expenditure  
System during COVID-19

Global ✓

4 19PG3E9 Development III - Impact of 22%  
Economics COVID-19 on  
Economy

Global ✓✓

5 19PG3E10 Economics V - use of Dummy  
Variables as proxy for  
qualitative and

7% Contents Global ✓✓  
my  
choice

Variables as  
proxy for  
qualitative  
variables are  
included

6 1964-15 Environmental W - COVID-19 64% Censor Global ✓  
Economics and the environment  
Positive environment  
and negative  
environmental  
effects, Potential  
Strategies of  
Environmental  
Sustainability

7 1963-11 Research II - Census and 11% TO Global ✓  
Methodology Sample Survey enhance  
was included the  
Sample procedure knowledge  
Methods of Data graduate  
Collection - in  
Hypothesis Testing: applying  
Cohort sampling Statistical  
Likert scale, Gini tools in  
ratio, Factor their  
analysis, Survey Project  
analysis, Student  
t-test, F-test  
Z-test, Chi-square  
Intercept test, Chi-square

Ext, Compound  
Growth rate

## Rubrics for Internship / Project

S.No	C1 20 Marks	C2 20 Marks	CIA TONE 10 Marks	External 60 Marks Report and Project Evaluation
1	Attendance	Substantive		

### OTHER SUGGESTIONS

1. Health Economics : Content of I and II unit must be reduced.
2. Energy Economics : Unit V has to be merged in to one single area.
3. Research Methodology : Unit III Should be shortened and to be included in unit II

Dr. Rohini :

UTM Programming and IT Should be included in our syllabus

Dr. Maria Rannaga Ray,  
Breeding Concept and Standardization, Should be included in Entrepreneurial Skills  
Importance should be given to

### RECOMMENDATIONS

Dr. Pashpa Raj

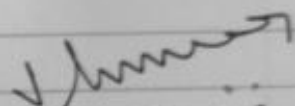
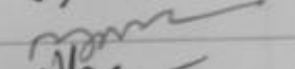

1. Internship - extra credit should be given
2. Appointment of internship officer is essential at College level
3. Swayam and mooc course can be offered to students and credit should be given

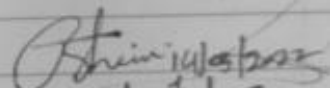
Storage and feasibility  
of atomic products.  
Banking and Governmental  
schemes should be  
included in Entrepreneurial  
paper

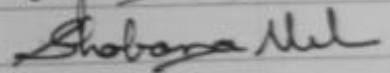
Dr. Ganesan  
Accepted to revise the  
Syllabus of PG Econometrics and  
Mathematical Economics.

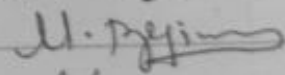
### Signature of the Board Members

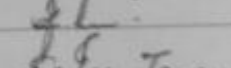
- Dr. Pushparaj
- Dr. R. M. Soundarapandian
- Dr. S. Ganesan
- Mr. Maria Kannaga Raj
- Dr. Rohini, Assistant
- Dr. S. J. Kala
- Dr. Shobana Velasco
- Dr. Regina Mary
- Dr. G. Uma
- Dr. Ivy Jeno
- Mrs. Gracy Rani
- Dr. P. Anita
- Dr. C. Sahaya Mary Sophia
- Dr. K. Selvalakshmi
- Dr. R. Saji Karthika

  
S. J. K.

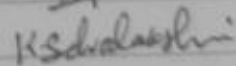
  
Shobana Vel

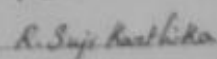
  
M. Pyjima

  
G. J. Jeno

  
Gr

  
A

  
K. Selvalakshmi

  
R. Saji Karthika

12/01/2021



S.No	SEM.	COURSECODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. MKs
1.	I	19PG1E1	MICRO ECONOMIC ANALYSIS	6	4	40	60	100
2.		19PG1E2	STATISTICAL METHODS	6	4	40	60	100
3.		19PG1E3	INDIAN ECONOMY	6	4	40	60	100
4.		19PG1E4	MONEY AND BANKING	6	4	40	60	100
5.	II	19PG2E5	MACRO ECONOMIC ANALYSIS	6	4	40	60	100
6.		19PG2E6	MATHEMATICS FOR ECONOMISTS	6	4	40	60	100
7.		19PG2E7	FINANCIAL MARKETS	6	4	40	60	100
8.		19PG2E8	COMPUTER APPLICATION FOR ECONOMISTS	6	4	40	60	100
9.	III	19PG3L9	DEVELOPMENT ECONOMICS	6	4	40	60	100
10.		19PG3E10	ECONOMETRICS	6	4	40	60	100
11.		19PG3E11	RESEARCH METHODOLOGY	6	5	40	60	100
12.		19PG3E12	FINANCIAL ECONOMICS	4+2	5	40	60	100
13.	IV	19PG4E13	INDIAN FISCAL SYSTEM	6	5	40	60	100
14.		19PG4E14	INTERNATIONAL ECONOMICS	6	5	40	60	100
15.		19PG4E15	BEHAVIORAL ECONOMICS	6	5	40	60	100
16.		19PG4E16	ENVIRONMENTAL ECONOMICS	6	5	40	60	100
Total				96	70			

**I MA ECONOMICSELECTIVE / EXTRA DEPARTMENTAL COURSE /  
INTERNSHIP/ PROJECT -20 CREDITS**

S. No	SEM.	COURSECODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. Mks
1.	I	19E1EDC	BUSINESS SKILLS FOR WOMEN	3	3	40	60	100
2.	II	19E2EDC	BUSINESS SKILLS FOR WOMEN	3	3	40	60	100
3.	III	19PG3EE1/ E2	AGRICULTURAL ECONOMICS/ GENDER ECONOMICS	4	4	40	60	100
4.		19PG3SIL1	Summer Internship	-	3	40	60	100
5.	IV	19PG4EE3/ E4	NATIONAL INCOME ACCOUNTING/ INDUSTRIAL ECONOMICS	4	4	40	60	100
6.		19PG4E17	Project	-	3	40	60	100
TOTAL				14	20			

**OFF-CLASS PROGRAMMES**

**ADD-ON COURSES**

COURSE CODE	COURSES	HRS.	CREDITS	SEMESTER IN WHICH THE COURSE IS OFFERED	CIA Mks	ESE Mks	TOTAL MARKS
19PADSS	<b>SOFT SKILLS</b>	40	3	I	40	60	100
19PADCA	<b>COMPUTER APPLICATIONS WEB DESIGNING USING HTML AND DREAMWEAVER</b>	40	4	II	40	60	100
19PADCV	<b>COMPREHENSIVE VIVA</b> (Question bank to be prepared for all the courses)	-	2	IV	-	-	100

COURSE CODE	COURSES	HRS.	CREDITS	SEMESTER IN WHICH THE COURSE IS OFFERED	CIA MKS	ES E MKS	TOTAL MARKS
	by the respective course teachers)						
19PADRC	<b>READING CULTURE</b>	10	1	I-IV	-	-	-
<b>TOTAL</b>			<b>10</b>				

#### EXTRA CREDIT COURSES

COURSE CODE	COURSES	HR S.	CREDITS	SEMESTER IN WHICH THE COURSE IS OFFERED	CIA MKS	ES E MKS	TOTAL MARKS
20PGE3SL3	<b>INDUSTRIAL ECONOMICS AND LABOUR LAWS;-</b>	-	2	I	40	60	100
20PGE4SL4	<b>NUMERICAL ABILITY FOR COMPETITIVE EXAMINATION /</b>	-	2	II	40	60	100
	<b>MOOC COURSES / International Certified online Courses</b> (Department Specific Courses/any other courses) * Students	-	Minimum 2 Credits	I – IV	-	-	

	can opt other than the listed course from UGC-SWAYAM /UGC /CEC						
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- **Summer Internship:**

- Duration-1 month (2<sup>nd</sup> Week of May to 2<sup>nd</sup> week of June-before college reopens)

- **Project:**

- Off class
- Evaluation components-Report writing + Viva Voce (Internal marks-40) + External marks 60

- **EDC:**

- Syllabus should be offered for two different batches of students from other than the parent department in Sem-I & Sem-II

**III SEMESTER**  
**II MA ECONOMICS**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	20PGE3SL3	INDUSTRIAL ECONOMICS AND LABOUR LAWS		2

**COURSE DESCRIPTION**

The course narrates industrialization process, factors inhibiting industrial development, ownership pattern, state of industrial development in India and expose Industrial disputes and related laws to ensure Upgradation of labourers in industries.

**COURSE OBJECTIVES**

1. To enable the students to understand the importance of Industrial development.
2. To expose the students in analyzing the factors hindering industrial development.
3. To equip the students to understand the current issues of labour dispute and related laws.
4. To equip the students to prepare themselves for competitive exams like IES.
5. To help the students to face the TNPSC and UPSC exams.

**UNIT-1: INDUSTRIALIZATION:**

Meaning-Importance-factors inhibiting industrial development-remedial measures-ownership and control of industries-Private Sector, Public Sector, Joint Sector-Recent trends in Indian industrial growth-MNCs and transfer of Technology.

**UNIT-2 INDUSTRIAL SICKNESS**

Definition-Magnitude-Causes-Consequences-Rationalisation-Meaning-Aims-Measures for carrying out rationalization -Advantages-Dangers-Industrial clusters.



### **UNIT-3 INDUSTRIAL FINANCE**

Sources of funds-Industrial Finance-Sources of funds- Institutional finance-IDBI, IFCI, SFC, SIDC, Commercial banks-Balance sheets.

### **UNIT-4 : INDUSTRIAL DISPUTES**

Industrial disputes – Meaning – Definition – Causes – Prevention - Settlement of Industrial disputes.

### **UNIT-5: PAYMENT OF WAGES ACT**

Introduction- Objective –Scope and Coverage – Definitions- The Payment of wages (Amendment),2005- An Act further to Amend the Payment of Wages Act,1936.

### **UNIT – VI Dynamism and Current Affairs:**

Study on accidental benefits – Enactment of new wage act – Role of trade unions in Labour welfare – Effects of Industrialization on labour health

### **Reference Books**

1. Amarjit Singh; A N Sadhu “Industrial Economics”, Himalaya Publishing house, Delhi, 1988
2. Barthwal, R.R. “Industrial Economics”, New Age International Pvt. Ltd., 2010.
3. Cherunilam, F, Industrial Economics : Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai, 1994
4. Dhingra , I.C. The Indian Economy Environment and Policy, Sultan Chand, 2014
5. Government of India, Economic Survey (Annual).
6. Kutchhal, S.C. , Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad,1980
7. Misra and Puri, “Indian Industrial Economy”, Himalaya Publishing house, New Delhi,1. Ahluwalia, I. J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
8. C.B.Gubta, “Human Resource Management”,(2009), Sultan Chand & Sons, 23, Daryaganj, New Dehli-110002.
- 9.B.Nandhakumar,”Industrial Relations Labour Welfare and Labour Laws”,Vijay Nicole Imprints Private Limited, Chennai.

10. <https://www.asianstudies.org/publications/eaarchives/the-history-of-economic-development-in-india-since-independence/>

CIA	
Assignment	20
Test	20
	40

- ✓ **All the course outcomes are to be assessed in CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for UG are :**  
**K1-** Remember, **K2-**Understand, **K3-**Apply, **K4-**Analyse
- ✓ **The UG course teachers are requested to start conducting C1, C2 in due intervals of time.**

#### EVALUATION PATTERN

CIA		MARKS		
C1	C2	CIA	ESE	Total
20	20	40	60	100

**C1** – Assignment

**C2** – Test

Levels	C1	C2	C3	C4	C5	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	T1 10 Mks.	T2 10 Mks	Quiz 5 Mks.	Assignment 5 Mks	OBT/PPT 5 Mks	35 Mks.	5 Mks.	40Mks.	
K1	2	2	-	-	-	4	-	4	10 %
K2	2	2	5	-	-	9	-	9	22.5 %
K3	3	3	-	-	5	11	-	11	27.5 %
K4	3	3	-	5	-	11	-	11	27.5 %
Non Scholastic	-	-	-	-	-		5	5	12.5 %
Total	10	10	5	5	5	35	5	40	100 %

### COURSE OUTCOMES (CO)

S: No	COURSE OUTCOME	Knowledge Level	PSOs ADDRESSED
CO 1	Become familiar with the state of the Industrial development.	K2	PSO1& PSO2
CO 2	Able to comprehend the factors that lead to the underdevelopment in the Indian economy.	K3	PSO3
CO 3	Impart knowledge on the Industrial disputes in India.	K4	PSO5

<b>CO 4</b>	Help the students to prepare for competitive examinations and face the TNPSC and UPSC exams where Indian Economy is a part of syllabus.	K5	PSO4
<b>CO 5</b>	Impart clear cut idea about Transfer of technology in India.	K2	PSO4

### Mapping COs Consistency with PSOs

No.	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
<b>CO 1</b>	2	2	3	3	2
<b>CO 2</b>	3	1	3	3	2
<b>CO 3</b>	3	2	3	3	2
<b>CO 4</b>	3	2	2	2	2
<b>CO 5</b>	1	1	1	3	3
<b>CO6</b>	1	1	1	3	3

### Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
<b>CO1</b>	1	1	1	1	2	2	1
<b>CO2</b>	2	1	1	1	1	2	1
<b>CO3</b>	2	1	1	1	1	2	1
<b>CO4</b>	2	1	1	1	2	2	1
<b>CO5</b>	2	1	1	1	1	2	1

**Note:** ♦ Strongly Correlated – 3  
♦ Weakly Correlated -1

♦ Moderately Correlated – 2

**Course Designers:**

**1.Dr.S.Ivy Jeno(Department of Economics)**

**2.Dr.M.Arasammal(Department of Commerce with Computer application)**

**III SEMESTER  
II MA ECONOMICS**

(For those who joined in 2019 onwards)

<b>PROGRAMME CODE</b>	<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>HRS/WEEK</b>	<b>CREDITS</b>
<b>PAEC</b>	<b>20PGE4SL4</b>	<b>NUMERICAL ABILITY FOR COMPETITIVE EXAMINATION</b>	-	<b>2</b>

**COURSE DESCRIPTION**

This course is designed to extend skills in problem solving and to foster mathematical creativity

**COURSE OBJECTIVES**

To enhance the problem solving skills, to improve the basic mathematical skills and to help students who are preparing for any type of competitive examinations

**UNIT: I: BASIC NUMERACY AND DATA INTERPRETATION**

HCF and LCM of Numbers – Fraction – Percentage – Average – Ratio and Proportion – Problems on Simple Equations – Chain Rule – Data Interpretation

**UNIT: II LOGICAL REASONING AND ANALYTICAL ABILITY**



Introduction – Reasoning based on Ranking - Reasoning based on Team Formations–  
Quantitative Reasoning – Sequences and Series – Blood Relations –Direction Test – Puzzles  
Test – Non-verbal Reasoning

#### **UNIT: III GENERAL MENTAL ABILITY**

Introduction – Syllogisms – Logical Deductions – Statement and Conclusions –  
Assertion and Reason – Mathematical operations – Set theory, Venn diagrams and Network  
diagrams – Permutations and Combinations

#### **UNIT: IV APTITUDE AND MENTAL ABILITY TESTS**

Conversion of information to data – collection, compilation and presentation of data –  
Tables, graphs, diagrams-Analytical interpretation of data, Simple and Compound interest,  
Length, Area, Perimeter, Time and Work.

#### **UNIT: V GEOMETRY, MEASURES, HANDLING DATA AND PROBLEM SOLVING**

Classifying 2-D, shapes – 3-D and 2-D shapes, working with coordinates. The metric system,  
Length, Area, and Perimeter of irregular shapes. Organizing, categorizing and representing  
data, Problem Solving.

#### **Unit : VI Dynamism**

Study on Logical reasoning based on Banking – Aptitude and Mental ability test – Conversion  
of information to data and Presentation of data

#### **Reference Book:**

1. General Studies Paper II for Civil Services Preliminary Examination, Arun Sharma, Madhukar Kumar Bhagat, Abhijit Guha, McGraw Hill Education India Pvt. Limited.
2. Test of Reasoning for Competitive Examinations, Edgar Thorpe, Tata McGraw Hill Education India Pvt. Limited.
3. Numerical Ability and Quantitative Aptitude, P. K. Mittal, Galgotia Publications, Pvt Limited.

CIA	
Assignment	20
Test	20
	40

- ✓ **All the course outcomes are to be assessed in CIA components.**
- ✓ **The levels of CIA Assessment based on Revised Bloom's Taxonomy for UG are :**

**K1-** Remember, **K2-**Understand, **K3-**Apply, **K4-**Analyse

- ✓ **The UG course teachers are requested to start conducting C1, C2 in due intervals of time.**

### EVALUATION PATTERN

CIA		MARKS		
C1	C2	CIA	ESE	Total
20	20	40	60	100

**C1** – Assignment

**C2** – Test

### COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level	PSOs ADDRESSED
<b>CO 1</b>	Solve some real life problems on numbers	K2	PSO1& PSO2
<b>CO 2</b>	Ability to understand logical reasoning	K2	PSO3
<b>CO 3</b>	Solve problems involving Permutations and Combinations	K3	PSO5
<b>CO 4</b>	Awareness on General aptitude and Mental ability test.	K4	PSO4
<b>CO5</b>	Gained knowledge on the Graphical shapes, and different metric system.	K5	PSO4

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### Mapping COs Consistency with PSOs

No.	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	2	2	3	3	2
CO 2	3	1	3	3	2
CO 3	3	2	3	3	2
CO 4	3	2	2	2	2
CO 5	1	1	1	3	3

### Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	1	1	1	2	2	1
CO2	2	1	1	1	1	2	1
CO3	2	1	1	1	1	2	1
CO4	2	1	1	1	2	2	1
CO5	2	1	1	1	1	2	1

**Note:** ♦ Strongly Correlated – **3**                      ♦ Moderately Correlated – **2**  
 ♦ Weakly Correlated -**1**

### Course Designers:

**1.Dr.C. Sahaya Mary Sophia(Department of Economics)**

**2.Dr.Vanitha(Department of Mathematics)**

**IV SEMESTER**  
**II MA ECONOMICS ELECTIVE**

(For those who joined in 2019 onwards)

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/WEEK	CREDITS
PAEC	19PG4EE3	NATIONAL INCOME ACCOUNTING	4	4

**COURSE DESCRIPTION**

The course provides an insight to evaluate the magnitude of our economic performance that is essential to planners and policy-makers so as to know how well the economy is performing thereby; they can set goals and make policy recommendations.

**COURSE OBJECTIVES**

To explain the difficult and technical concepts used in Accounting National Income in a simple and lucid manner to the students.

To make the students understand the meaning and significance of the tables in the National Accounts statistics of India by CSO Publication.

**UNIT I: INTRODUCTION [10 HRS]**

National Income- History of National Accounting- Income calculation- Pre-independence and post independence estimates of national income- worldwide calculations of national income

Stock and Flow- National Income Accounting and Social Accounting and environmental accounting- Circular Flow of income - Functional classification of an Economy into sectors: Production Sector-Consumption Sector-Government Sector. Sectors of Indian Economy - Sectoral division for National income calculation-Capital Formation: Gross Domestic capital formation – Gross domestic fixed capital formation and change in stock. Economic flows: flow and stock. Circular flow of National income: Production flow, Income flow and expenditure flow.

**UNIT II: CONCEPTS OF NATIONAL INCOME [10HRS]**

GDP, GNP, GNI - NNP at market price and factor cost- NNI- NI-DI - PCI  
- Nominal and Real GDP- GDP Calculation in India - GDP Deflator -  
Net-factor income Abroad: Meaning – components of NFIA, Subsidy,  
Transfer payments: meaning – current transfers and capital transfers,  
current transfers to the rest of the world and capital transfers from rest of  
the world, **International Indices:** Standard & Poor's 500 Index - Dow Jones  
Industrial Average (DJIA)- Nasdaq 100 Index - Vanguard S&P 500 ETF  
(VOO)- Wilshire 5000 Total Market Index-MSCI EAFE Index - the Bloomberg  
Barclays US Aggregate Bond Index

### **UNIT III: METHODS OF MEASURING NATIONAL INCOME IN INDIA**

#### **[10 HRS]**

1. Value added method: Steps involved and precautions taken while calculating National income by VA method, Calculation of GDP, NDP, GNP, NNP at market price and factor cost.

2. Income method: Steps involved and precautions taken while calculating National income by income method, calculation of domestic income [NDP at FC], National income, private income, personal income, personal disposable income.

5. Expenditure method: Steps involved and precautions taken while calculating National income by Expenditure method. Final consumption expenditure: Final consumption expenditure of general government, households and of private non-profit institutions **Difficulty in measuring**

### **UNIT IV: NATIONAL INCOME CALCULATION IN INDIA: [10 HRS]**

Indian organisations involved in national income calculation: -The Central Statistics Office - National Accounts Division (NAD) under the Ministry of Statistics and Program Implementation -Wholesale Price Index (WPI) and Consumer Price Index by the Price Monitoring Cell in the Department of Consumer Affairs under the Ministry of Consumer Affairs. Index of Industrial Production (IIP) is sourced from the Industrial Statistics Unit of the Department of Industrial Policy and Promotion under the Ministry of Commerce and Industry

### **UNIT V: INDIAN DATA COLLECTION PROCESS: (08 HRS)**



Consumer Price Index - Wholesale Price Index - Industrial Index -  
 Wholesale Price Index The Office of the Economic Adviser, Department for  
 Promotion of Industry and Internal Trade - Consumer Price Index (CPI) :  
 Price Monitoring Division(PMD) in the Department of Consumer Affairs  
 Consumer Price Indices being released by CSO - Index of Industrial  
 Production (IIP): The Office of the Economic Advisor, Ministry of Commerce  
 and Industry- National Stock Indices: NSE, NIFTY, SENSEX

## **UNIT VI - DYNAMISM/ CURRENT AFFAIR**

A case study on calculating national income and PCI- A case study on  
 self-employed personal towards mixed income in calculating National  
 income - Assignment on a case of double counting in any food processing

### **REFERENCE BOOKS:**

1. C.B. Sach Deva, "National Accounting", Revised Edition, Arya Book depot,  
 Karol Bagh, New Delhi , 1996.
2. Uma Datta Roy Choudhury & Moni Mukherjee, "National Accounts  
 Information System", Macmillan India Ltd, New Delhi, 1994.
3. Raman D.V. Bombay, "National Accounts & Input Output Accounts  
 of India", Asia Publishing House, New Delhi.

## **COURSE CONTENTS & LECTURE SCHEDULE**

<b>Module No.</b>	<b>Topic</b>	<b>No. of Lectures</b>	<b>Teaching Pedagogy</b>	<b>Teaching Aids</b>
<b>UNIT I: INTRODUCTION</b>				
1.1	National Income: Meaning	1	Lecture	Black Board
1.1:1	National Income accounts-Significance of national income accounts, National Accounting.	4	Discussion	LCD
1.3	Basic Economic activities- Functional classification of an Economy in to sectors; Production	3	Lecture	PPT

	Sector-Consumption Sector-Government Sector.			
1.4	Capital Formation: Gross Domestic capital formation – Gross domestic fixed capital formation and change in stock.	2	Lecture	Black Board
1.5	Economic flows: flow and stock.	2	Lecture	Black Board
1.6	Circular flow of National income: Production flow, Income flow and expenditure flow.	3	Discussion	Black Board
<b>UNIT II: PRODUCTION PROCESS AND NATURE OF GOODS &amp; SERVICES</b>				
2.1	Production Process: Meaning – Nature of production process,	1	Lecture	Green Board Charts
2.1.1	Organisation of labour: Product based and process based,	2	Lecture	Green Board
2.1.2	Organisation of technology: Labour intensive and capital intensive,	1	Lecture	Materials
2.1.3	Production of goods and services for self – consumption and for exchange,	1	Lecture	Black board
2.2	Categories of producers: Government, Corporate and household enterprises.	1	Lecture	Black board
2.3	Nature of goods and services: Concept of production boundary-end-use classification of goods and services.	2	Lecture	PPT & Black board
2.3.1	Material and non-material goods, Economic and non-economic goods,	1	Lecture	Black board

2.3.2	Consumer and producer goods, intermediate and final goods,	3	Lecture	Black board
2.3.3	value of output and value added: Net value added at factor costs using deductible costs.	3	Lecture	Black board
<b>UNIT III: GENERATION OF NATIONAL INCOME</b>				
3.1	Generation of Income: Process of income generation, wage income and non-wage income,	2	Lecture	Black board & PPT
3.2	Domestic income: Compensation of employees: Definition-its components	1	Lecture	Black board & PPT
3.2.1	Operating surplus: meaning –Components of operating surplus	1	Lecture	Black board & PPT
3.2.2	Zero operating -Mixed Income of Self employed	1	Lecture	Black board & PPT
3.2.3	Calculation of Compensation of Employees and Operating Surplus.	5	Lecture	Black board
3.3	Net-factor income Abroad: Meaning – components of NFIA, Subsidy	1	Lecture	Black board
3.4	Transfer payments: meaning – current transfers and capital transfers, current transfers to the rest of the world and capital transfers from rest of the world	3	Lecture	Black board
3.5	Distinction: National wealth and national capital – national capital and national income.	1	Lecture	PPT
<b>UNIT IV: MEASUREMENT OF NATIONAL INCOME</b>				

4.1	Methods of measuring national income: a. Value added method: Steps involved and precautions taken while calculating National income by VA method, Calculation of GDP, NDP, GNP, NNP at market price and factor cost.	5	Lecture	Black board
4.2	Income method: Steps involved and precautions taken while calculating National income by income method, calculation of domestic income [ NDP at FC], National income, private income, personal income, personal disposable income.	5	Lecture	Black board
4.3	Expenditure method: Steps involved and precautions taken while calculating National income by Expenditure method. Final consumption expenditure: Final consumption expenditure of general government, households and of private non-profit institutions.	5	Lecture	Black board
<b>UNIT V: CALCULATION OF DOMESTIC PRODUCT IN INDIA</b>				
5.1	Pre independence and post independence estimates of national income	2	Lecture	Material
5.2	National income Committee, CSO: CSO methodology for computation of national income	3	Lecture	Material

5.3	Sectoral contributions of primary, manufacturing and tertiary sector in estimation of domestic product,	3	Lecture	Black board
5.4	White paper on national income [NAS]in India.	1	Lecture	Material
5.5	Difficulties in measuring national income in India	4	Lecture	Hand outs
5.6	Problem of double counting.	2	Lecture	Hand outs
<b>UNIT VI - DYNAMISM/CURRENTAFFAIR</b>				
6.1	A case study on calculating operating surplus and Compensation of employees of a firm	-	Discussion	Black board
6.2	A case study on self-employed personal towards mixed income in calculating National income	-	Discussion	Black board
6.3	Assignment on a case of double counting in any food processing Unit - Comprehensive Test	-	Discussion	Black board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	Percentage of Assessment
	Seminar	Better of W1, W2	M1+ M2	MID-SEM TEST				
	5 Mks.	5Mks.	10 Mks	15 Mks	35 Mks.	5 Mks.	40 Mks.	
<b>K2</b>	5	-	-	2 ½	-		-	-
<b>K3</b>	-	5	4	2 ½	5		5	12.5



<b>K4</b>	-	-	3	5	12		12	30
<b>K5</b>	-	-	3	5	9		9	22.5
<b>Non Scholastic</b>	-	-	-	-	9		9	22.5
<b>Total</b>	5	5	10	15	35	5	40	100

CIA	
Scholastic	35
Non Scholastic	5
	40

## EVALUATION PATTERN

SCHOLASTIC					NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	C6	CI A	ES E	Total
10	10	5	5	5	5	40	60	100

### • PG CIA Components

		Nos	
<b>C1</b>	- Test (CIA 1)	1	- 10 Mks
<b>C2</b>	- Test (CIA 2)	1	- 10 Mks
<b>C3</b>	- Assignment	2 *	- 5 Mks
<b>C4</b>	- Open Book Test/PPT	2 *	- 5 Mks
<b>C5</b>	- Seminar	1	- 5 Mks

SCHOLASTIC	NON - SCHOLASTIC	MARKS
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**C6** - Attendance - 5 Mks

***\*The best out of two will be taken into account***

## COURSE OUTCOMES

On the successful completion of the course, students will be able to:

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Empower the students to work in the field of CSO preparing Standard National Income Accounts.	K2	PSO1& PSO2
CO 2	Create and assess the useful tool for the working of NI in Modern economy.	K2, K3	PSO3
CO 3	Identify with double counting in National Income.	K2, K4	PSO5
CO 4	Helps in formulation of economic policy in an economy.	K2, K3 & K4	PSO4
CO5	Enrich the students' employability in corporate, quasi- corporate and unincorporated enterprises.	K2, K3	PSO4

## Mapping COs Consistency with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
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<b>CO1</b>	3	3	3	3	3
<b>CO2</b>	3	3	3	3	3
<b>CO3</b>	3	3	3	3	3
<b>CO4</b>	3	3	3	3	3
<b>CO5</b>	3	3	3	3	3

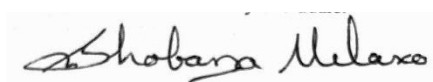
**Note:** ♦ Strongly Correlated – **3**      ♦ Moderately Correlated – **2**  
♦ Weakly Correlated -**1**

### Mapping COs Consistency with POs

<b>CO/ PO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>
<b>CO1</b>	3	3	3	3	3	3	3
<b>CO2</b>	3	3	3	2	3	3	2
<b>CO3</b>	3	3	2	3	3	2	3
<b>CO4</b>	3	2	3	3	3	1	3
<b>CO5</b>	3	3	3	1	3	3	3

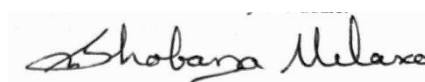
**Note:** ♦ Strongly Correlated – **3**      ♦ Moderately Correlated – **2**  
♦ Weakly Correlated -**1**

**COURSE DESIGNER:**



**Staff Name**

**Dr.shobanaNelasco**



**Forwarded By**

**Dr.ShobanaNelasco**

**HOD NAME AND SIGN**