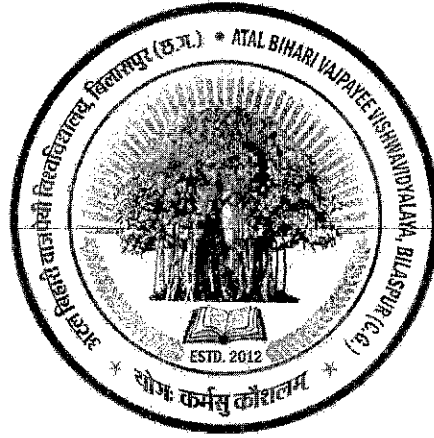


**Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)**



## **Scheme and Syllabus**

of

**M.A. (Economics)**

**Program Code: MAECOP105**

Annual system for affiliated college  
(As per LOCF and credit system)

**w.e.f. 2023-2024**

(As approved by AC and EC meetings held on 16.08.2023 and 18.04.2023 respectively)

2024-25



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Scheme of M.A. (Economics) Private PROGRAM CODE: MAECOP105					
Year	Course Code	Subject Name	Marks		
			Total		
			Max	Min	
<b>M.A. Final (Economics)</b>					
<b>Compulsory papers</b>					
II	ECOT201	Macro-Economic Analysis	100	36	
	ECOT202	Public Finance	100	36	
	ECOT203	Economics of Growth	100	36	
	ECOT204	Economics of Social Sector and Environment	100	36	
	<b>Optional Papers (Choose any paper of any other group :)</b>				
	ECOT205	Group: A-1 Industrial Economics	100	36	
	ECOT206	Group: B-1 Labor Economic	100	36	
	ECOT207	Group: C-1 Demography	100	36	
	ECOT208	Group: D-1 Agriculture Economics	100	36	
	ECOT209	Group: E-1 Computer Application in Economic Analysis	100	36	
		<b>Subtotal</b>	<b>500</b>	<b>-</b>	
		<b>Total</b>	<b>1000</b>	<b>-</b>	

**Note:** At Post-graduate level, candidate required to study eight compulsory papers and two optional papers during two year period. There shall be four papers compulsory and one optional paper in M.A. previous and four compulsory and one optional paper (other than studied in M.A. Previous) in M.A. final examinations. Each paper shall carry 100 marks.

Apart from the group of optional paper in M A. Previous, any other group will have to be selected in M. A . Final.

As approved by academic council and executive council meetings

*[Signature]*  
11.9.2023



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Part A: Introduction		
Program: M.A. Final	Year: 2	w.e.f: 2024-2025
1. Course Code	ECOT201	
2. Course Title	MACRO ECONOMIC ANALYSIS	
3. Course Type	Theory	
4. Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• The concept of national-income and accounts.</li><li>• How the economy is moving as a whole.</li><li>• The concept of consumption function and its determinants.</li><li>• The concept of investment function and their determinants.</li><li>• Demand for money and the factors affecting the demand for money.</li></ul>	
5. Total Marks: 100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>NATIONAL INCOME AND ACCOUNTS-</b> Definition's various concepts' and definitions of National income (NI) and national Product Problems of measurement of NI Difficulties in the Measurement of NI, Circular flow of income- two, three and four sector economy, Different forms of national income accounting, Social Accounting, Input-Output accounting. Employment theory- Classical theory, Keynesian theory of income and Employment, Keynesian and Classical theory of Employment: Comparative study.
II.	<b>CONSUMPTION AND INVESTMENT FUNCTION-</b> Consumption Function- Marginal and average propensity to consume, Keynes's Psychological laws of consumption, determinants of consumption function. Income consumption relationship- Absolute income hypothesis, Duesenberg's Relative hypothesis, Permanent income hypothesis and the life cycle hypothesis Meaning and types of investment. Determinants of investment. Marginal Efficiency of capital investment. Saving and investment Equality, multiplier, Accelerator, super multiplier.
III.	<b>DEMAND AND SUPPLY OF MONEY-</b> Fisher and cash balance (Cambridge) Approach, Fundamental Equation of Keynes, Post Keynesian Approach to Demand for Money- Patinkin Baumols, James Tobin,



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	Friedman, Gurley and Shaw's Approaches. Definition of money Supply, determinates of money supply, RBI approach to money supply, High Powered money, Money supply and open Economy, control of Money supply.
<b>IV.</b>	<b>THEORY OF INFLATION-</b> Concept of inflation, semi and full inflation, demand pull and Cost push inflation. Theory of structural inflation, Causes & effects of Inflation, Stagflation control of inflation, The Phillips Curve analysis. Main features of business cycle. Types of business Cycle, Control of Business cycle, Theories of trade cycle- Hawtrey's, Hayek's and Schumpeter's Theory.
<b>V.</b>	<b>MONETARY AND FISCAL POLICIES-</b> Meaning, Objective and limitations of Monetary policy, instrument of Monetary Policy, Monetary Policy and Economic development, International Monetary system, International Liquidity problem, SDR and new International Economic order. Meaning and objective of Fiscal Policy, Instruments of Fiscal Policy, Monetarism Vs Fiscalism - The Debate.

## Part C Learning Resource

### Text Books:

1. समष्टि अर्थशास्त्र— एम. एल. झिंगन (अष्टम संस्करण 2013), वृंदा पब्लिकेशन प्रा.लि. दिल्ली।
2. मेक्रो अर्थशास्त्र— डॉ. टी.टी. सेठी, लक्ष्मीनारायण अग्रवाल, आगरा।
3. समष्टि अर्थशास्त्र— डॉ. जे.पी. मिश्रा, साहित्य भवन पब्लिकेशन, आगरा।
4. समष्टि अर्थशास्त्र— जी. पी. सिंघई एवं डॉ. जे.पी. मिश्रा, साहित्य भवन पब्लिकेशन, आगरा।
5. Macro Economics. Seth M.L.. CN Agrawal Publisher & Distributor.
6. समष्टि अर्थशास्त्र— डॉ.वी.सी. सिन्हा, पुष्पा सिन्हा।

### Reference Books:

- Blackhouse, R, and A. Salansi (Eds.) (200), Macroeconomics and the Real World (2 vols) Oxford University Press, London.



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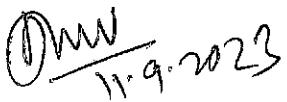
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- Branson. W.A. (1989), Macroeconomics Theory and Policy, (3rd Edition), Harper and Row, New York.
- Aombusch, R and F. Stanley (1997), Macroeconomics. McGraw Hill. inc., New York.
- Hall, R.E. and J.B. Taylor (1986), Macroeconomics, W.W>Norton, New York.
- Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
- Jha.R. ( 1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Ltd. New Delhi.
- Romer, DL. (1996). Advanced macroeconomics, McGraw Hill Company Ltd., New York.
- Scarte, B.L. (1997), Cycles, Growth and inflation, McGraw Hill, New York.
- Markeley, G. (1978), Macroeconomics Theory and Policy. Macmillan, New York.

#### E-Resources:

- <https://www.vedantu.com/commerce/national-income>
- <https://www.investopedia.com/terms/c/consumptionfunction.asp>
- <https://www.investopedia.com/terms/k/keynesianeconomics.asp>

#### Member of Board Studies:

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	- Chairman	 11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	- Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	- Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	- Member	
5.	Mr. Sanjay Kumar Agrawal, Asst. Professor	- Member	



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Govt. Agrasen College Bilha

- |    |   |   |        |                              |
|----|---|---|--------|------------------------------|
| 6. | Mrs. Shraddha Das, Asst. Professor<br>Govt. Bilasa Girls' PG College Bilaspur | - | Member | <i>Shraddha<br/>(S. Das)</i> |
| 7. | Prof. Rohni Prasad, Professor<br>Pt. Ravishankar Sukla University Raipur      | - | Member |                              |
| 8. | Prof. Manish Sharma, Professor<br>College of Inclave, Bhopal                  | - | Member |                              |

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Part A: Introduction			
Program: M.A. Final		Year: 2	w.e.f.: 2024-2025
1.	Course Code	ECOT202	
2.	Course Title	PUBLIC ECONOMICS	
3.	Course Type	Theory	
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Knowledge of Public Finance and taxation, principles of taxation, is very much valuable for students.</li><li>• Role of Public Finance In developing countries:</li><li>• Public Revenue and its impact on economy.</li><li>• Public Expenditure and its impact on economy.</li><li>• Growth and burden of Public debt and its impact on economy.</li></ul>	
5.	Total Marks:100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>INTRODUCTION</b> Role of Government in organized society; government in a mixed economy; Government as an agent for economic planning and development; private goods public goods and merit goods; Informational asymmetry - Theory of second best.
II.	<b>PUBLIC EXPENDITURE</b> Different forms of expenditure, economic effect of public expenditure on production and distribution, public expenditure and economic growth in hypothesis, pure theory of public expenditure budgeting, structure and growth of public expenditure, Reforms in expenditure budgeting; Programme budgeting and zeros base budgeting.
III.	<b>TAXATION, PRINCIPLES OF TAXATION, TYPES OF TAXES</b> Theory of incidence; Alternative concepts of incidence; benefit and ability to pay approaches; Theory of optima taxation; Excess burden of taxes; the problem of double taxation.
IV.	<b>PUBLIC DEBT</b> Classical view of public debt, different sources of public debt, Redemption of public debt, economic effects of public debt, Burden of public debt, principles of debt management and repayment.
V.	<b>FISCAL POLICY</b> Objectives of fiscal policy in under-developed countries, economic stability and fiscal policy; fiscal policy; fiscal policy and full employment; Interdependence of fiscal and monetary policies, balanced budget multiplier, functional finance. <b>FISCAL FEDERALISM</b>



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Fiscal federalism in India; Finance Commission and Planning Commission; Devolution of resources and grants; Theory of Grants; Resource transfer from Union to States, Central-State financial relation in India; Problems of State resources and Indebtedness; Transfer of resources from Union and States to local bodies.

## INDIAN PUBLIC FINANCES

Indian tax system: Revenue of the Union, States and bodies, Direct and indirect taxes. Reforms in direct and indirect taxes; Analysis of Central and State Government budgets; Trends in public expenditure and public debt, Fiscal crisis and fiscal sector reforms in India.

### Part C - Learning Resource

#### Text Books:

- Public Finance- N.Kumar, R. Mittal
- Public Finance & Tax Planning - Alka Gupta
- Ldh RK. (2014), Public Finance, Kalyani Publication Ludhiana New Delhi.
- SK. Sing (2013) Principal of Public Finance Sahitya Bhavan Publication, Agra.
- Pant, KC.(2012) Public Finance.
- Sinha, VC. (2011) Public Finance and Economic, Sahitya Bhavan Publication.
- सार्वजनिक अर्थशास्त्र- बी. सी. सिन्हा
- लोक अर्थशास्त्र- डॉ पी. डी. माहेश्वरी. डॉ. शीलचन्द्र गुप्ता
- लोकवित्त एस. के. सिंह

#### Reference Books:

- Adinson A.B. and J.E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York.
- Auerbach, A.J. and M. Feldstem (Eds.), Handbook of Public Economics, Vol. I, North Holland Amsterdam.
- Report of Twelfth Finance Commission of India.
- Government of India (1992), Reports of the Tax Reforms Committee - Interim and Final (Chairman Raja J. Chelliah)





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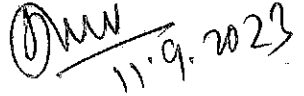
Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

- Chelliah, Raja J. et. AI (1981), Trends and issues in India's Federal Finance, NIPFP, New Delhi.
- Peacock, A and G.K. Shaw (1976), The Economic Theory of Fiscal Policy, George Allen and Unwin, London.
- Sahni, B.S. (Ed.) (1972), Public Expenditure Analysis: Selected Readings, Rotherdam University Press.
- Jha R (1998), Modern Public Economics, Routledge, London.
- Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
- Comes, R and T. Sandler (1986), The Theory of Externalities, Public Goods and Club Goods, Cambridge University Press, Cambridge.

## E-Resources:

- <https://icssr.org/e-resources-available-nassdoc>
- <https://unacademy.com/content/kerala-psc/study-material/finance/public-debt-the-borrowings-taken-by-the-government/#:~:text=Public%20debt%20refers%20to%20the,from%20the%20other%20public%20incomes.>
- <https://www.insightsonindia.com/indian-economy-3/government-budgeting/budgeting-process-in-india/>

## Member of Board Studies:

S.No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	Chairman	 11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	Member	



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|----|---|---|--------|
| 4. | Mr. I.P. Dewangan, Asst. Professor<br>Govt. College Pali                      | - | Member |
| 5. | Mr. Sanjay Kumar Agrawal, Asst. Professor<br>Govt. Agrasen College Bilha      | - | Member |
| 6. | Mrs. Shraddha Das, Asst. Professor<br>Govt. Bilasa Girls' PG College Bilaspur | - | Member |
| 7. | Prof. Rohni Prasad, Professor<br>Pt. Ravishankar Sukla University Raipur      | - | Member |
| 8. | Prof. Manish Sharma, Professor<br>College of Inclave, Bhopal                  | - | Member |

*Shraddha Das*  
(S. Das)



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Part A: Introduction		
Program: M.A. Final	Year: 2	w.e.f: 2024-2025
1. Course Code	ECOT203	
2. Course Title	ECONOMICS OF GROWTH & DEVELOPMENT	
3. Course Type	Theory	
4. Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Economic growth and their indicators - PQLI, HDI GDI.</li><li>• The concept of Capital Output Ratio, Project evaluation.</li><li>• Theories of Development - classical and new models.</li><li>• Modern Theories of Development- such as, Harrod - Domar model, Kaldor help them to understand the economic phenomenon of economic growth from analytical perspective.</li><li>• The causes of Vicious circle of poverty.</li></ul>	
5. Total Marks:100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>ECONOMIC GROWTH-I</b> Economic growth and development, factors affecting economic growth capital Labour and technology, Growth models- Harrod and Domar, instability of equilibrium; Neo-classical growth model-Solow and Meade, Mrs. Joan Robinson's growth model, Meaning economic growth.
II.	<b>ECONOMICAL GROWTH-II</b> Technological progress embodied and disembodied technical progress; Hicks, Harrod; learning by doing, Growth models of Kaldor and Pasinetti. Prof Mahalanobis Four sector model.
III.	<b>SOCIAL AND INSTITUTIONAL ASPECTS OF DEVELOPMENT-</b> Development and underdevelopment - Perpetuation of underdevelopment; Poverty - Absolute and relative; Measuring development and development gap- per capita income, inequality of income, Food security, education, health and nutrition; Human resources development: Population and growth pattern of population - Theory of demographic transition; population as limits to growth and as ultimate source- population, poverty and environment.
IV.	<b>THEORIES OF DEVELOPMENT-</b> Classical theory of development-contributions of Adam Smith, Ricardo, Malthus and Karl Marx and development of capitalistic economy- Schumpeter and capitalist development; innovation- role of credit, profit and degeneration of capitalism.



<b>V.</b>	<b>APPROACHES TO DEVELOPMENT-</b> Partial theories of growth and development vicious circle of poverty, circular causation, unlimited supply of labour, big push balanced growth, unbalanced growth, critical minimum effort thesis.  <b>SECTORAL ASPECTS OF DEVELOPMENT-</b> Role of agriculture in economic development; Efficiency and productivity in agriculture, New technology and sustainable agriculture; Globalization and agriculture growth; The choice of techniques and appropriate technology and employment;
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## Part C - Learning Resource

### Text Books:

- Singhai G.C. & Mishra J.P. (2013) Macro economic Analysis, Sahitya Bhawan publication Agra.
- Mishra, J.P. (2012) Economics of Growth and development Sahitya bhawan publication Agra.
- Economics of development and Planning - S.K. MISHRA & V.K. PURI
- The economics of development and Planning - M.L.JHINGAN
- Economics of development and Planning-B.N. GHOSH
- Economics of development and Planning-R.L.GOEL
- Ademan, (1961). Theories of Economic Growth and Development. Stanford University Press, Syanford.
- Behrman, S. and TN. Srinivasam (1995), Handbook of Development Economics, Vol.3, Elsevier, Amsterdam.
- Brown. M. (1966), On the Theory and Measurement of Technical Change, Cambridge University Press, Cambridge, Mass.
- Chenery H.B.et.a. (Eds.) (1974) Redistribution with Growth, Oxford University Press, Oxford.
- Chenery, H and TN. Srinivasam (Eds) (1989), Handbook of Development Economics Vols. 182, Elsevier, Amsterdam.



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Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

- Dasgupta, P. (1993). An Enquiry into Well-being and Destitution. Clarendon Press. Oxford.
- Ghatak, S. (1993), An Introduction to Development Economics, Allen and Unwind London.

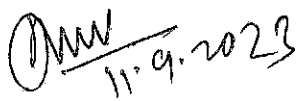
## Reference Books:

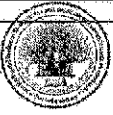
- Solow, R.M. (2000), Growth Theory an Exposition, Oxford University Press, Oxford.
- United Nations, Human Development Department Report 2005.
- Behrman, S. and T.N. Shrinivasan (1995), Hand book of Development Economics, Vol 1, 2, & 3, Elsevier: Amsterdam.
- Ghatak, S. (1986), An introduction to development Economics, Allen & Elnein, London.
- Sen, A.K. (Ed.) 1990 Growth Economics, Penguin, Harmonds worth.
- Dasgupta, P.A.K. Sen and S. Marglin (1972), Guidelines for project Evaluation, UNIDO, Vieana, Mehrotra, S. And J. Richard (1998), Development with a Human Face, Oxford University Press New Delhi.

## E-Resources:

- <https://www.investopedia.com/terms/e/economicgrowth.asp>
- <https://www.investopedia.com/terms/i/icor.asp>
- <https://www.investopedia.com/terms/i/input-output-analysis.asp>

## Member of Board Studies:

S.No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	Chairman	 11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	Member	



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- |    |   |   |        |
|----|---|---|--------|
| 3. | Miss Anuradha Tirkey, Asst. Professor<br>Govt. College Bhaisma                | - | Member |
| 4. | Mr. I.P. Dewangan, Asst. Professor<br>Govt. College Pali                      | - | Member |
| 5. | Mr. Sanjay Kumar Agrawal, Asst. Professor<br>Govt. Agrasen College Bilha      | - | Member |
| 6. | Mrs. Shraddha Das, Asst. Professor<br>Govt. Bilasa Girls' PG College Bilaspur | - | Member |
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*Shraddha Das*  
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Part A: Introduction			
Program: M.A. Final		Year: 2	w.e.f.: 2024-2025
1.	Course Code	ECOT204	
2.	Course Title	ECONOMICS OF SOCIAL SECTER AND ENVIRONMENT	
3.	Course Type	Theory	
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Studying welfare Economics, they learn how to maximize the welfare of individuals and country.</li><li>• Environmental and resource Economic</li><li>• The important issues in Environmental Economics.</li><li>• Public goods and Private goods, Causes of market failures.</li><li>• The concept of Environmental values.</li></ul>	
5.	Total Marks:100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>Welfare Economics:-</b> Welfare Economics- Definition of welfare economics, Criteria of Social welfare, Bentham's criteria, Compensation Criteria, The Bergson Criteria, Pareto optimality.
II.	<b>Environmental Economics:-</b> Environmental Economics- Definition of Environmental economics, meaning & Scope- Public Goods, Private goods, Market Failure and Public goods, Theory of Externalities-Economics and Diseconomies. External Costs, Marginal social cost, Marginal private cost. Pigiovian Taxes and Subsidies Environmental Values use value, Option value, and non-use values, International Carbon Tax, Environmental and W.T.O. Macro-economic policy and Environment.
III.	<b>Pollution:-</b> Pollution-Classification of pollution, Control of Pollution, Air Pollution, Water pollution, Pollution Control Strategies, Cost-benefit analysis of Pollution; Environmental policy & Laws, Protection of Environment, Environment and Development, Sustainable Development.
IV.	<b>Resources:-</b> Resources Classification of resources, Renewable resources, Nonrenewable resources, Optimal use of resources, Land resources, Forest resources, social forestry, rationale & benefits people's participation in the management of common and forest lands energy efficiency and environment, Energy Taxation - subsidies for Biomass.



## V. Education & Health Economics-

Education & Health economics- education as an instrument for economic growth, The return of education, expenditure on education, The productivity of education. Human capital vs physical capital, demand for education, Benefits of education, Education planning, education and Labour Market. Poverty unemployment and education. Health economics- Determinants of health, dimension of health care, malnutrition. The concept of human life, inequalities in health-Care & Gender Perspectives.

## Part C - Learning Resource

### Text Books:

- Blong in (1922) Introduction to Economic of Education j penguin London.
- Cohn E & T taske (1989) Economic of Education pergaman press India.
- Madhu rai Environmental Economics, T. Eugene Environmental Economics.
- S. Uloognatham (2001) Environmental Economics.
- Stave Bakev Environmental Economics.
- Penman, R Ma and j Macgilvary (1996). Natural resources & Environmental Economics.
- Methass mundle & U sankar. (1995). Controlling pollution an inestives and prewlation sage
- World Bank world Dev - Report Ox. Clni. Press Economics. Sanes India differetion issue.

### Reference Books:

- Madhu Raj - Environmental Economics.
- Steve Baker - Environmental Economics.
- D.W. Pearce - Environmental Economics.
- Baumol, WJ. and W.E. Oates, (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
- Berman, P. (Ed.) (1995): Health Sector Reform in Developing Countries: Making
- Health development sustainable, Boston: Harvard Series on Population and international Health.





## E-Resources:

- [https://www.investopedia.com/terms/w/welfare\\_economics.asp](https://www.investopedia.com/terms/w/welfare_economics.asp)
- <https://www.sciencedirect.com/topics/economics-econometrics-and-finance/social-welfare-function>
- <https://www.investopedia.com/terms/p/private-good.asp>
- <https://www.annualreviews.org/doi/abs/10.1146/annurev.energy.30.050504.144444>

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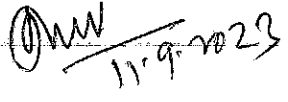
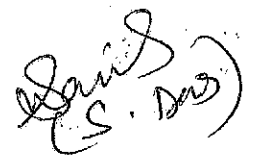


# Atal Bihari Vajpayee Univesity Bilaspur (C.G.)

Koni in front of Police Station Bilaspur- Ratanpur Road, Koni Bilaspur (C.G.) 495009

Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

## Member of Board Studies:

S.No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	- Chairman	 11.9.23
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	- Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	- Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	- Member	
5.	Mr. Sanjay Kumar Agrawal, Asst. Professor Govt. Agrasen College Bilha	- Member	
6.	Mrs. Shraddha Das, Asst. Professor Govt. Bilasa Girls' PG College Bilaspur	- Member	
7.	Prof. Rohni Prasad, Professor Pt. Ravishankar Sukla University Raipur	- Member	
8.	Prof. Manish Sharma, Professor College of Inclave, Bhopal	- Member	



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Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

Part A: Introduction			
Program: M.A. Final	Group: A - 1	Year: 2	w.e.f.: 2024-2025
1.	Course Code	ECOT205	
2.	Course Title	INDUSTRIAL ECONOMICS	
3.	Course Type	Theory	
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Concept and Organisation of firm ownership</li><li>• Market Structure.</li><li>• Industrial Policy in India.</li><li>• Privatization and liberalization</li><li>• Environmental Preservation and importance, Pollution control policies.</li></ul>	
5.	Total Marks 100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>FRAMEWORK AND PROBLEMS OF INDUSTRIAL ECONOMICS-</b> Concept and organization of a firm ownership, control and objectives of the firm; passive and active behavior of the firm.
II.	<b>MARKET STRUCTURE-</b> Seller's concentration; Product differentiation; Entry conditions: Economics of scale: Market structure and profitability, Market structure and innovation: Theories of industrial location; Weber and Sargeant Florence Factors affecting location.
III.	<b>MARKET PERFORMANCE-</b> Growth of the firm- Size and growth of a firm; Growth and profitability of the firm, Constraints on growth; Productivity, efficiency and capacity utilization - Concept and measurement, Indian situation.
IV.	<b>INDIAN INDUSTRIAL GROWTH AND PATTERN-</b> Classification of industrial; Industrial policy in India- Role of Public and private sectors; Recent trends in Indian industrial growth; MNCs and transfer of technology; Liberalization and privatization; Regional Industrial growth in India; Industrial economic concentration and remedial measures; issues in Industrial proliferation and environmental preservation; Pollution control policies.



<b>V.</b>	<b>INDUSTRIAL FINANCE-</b> Owned external and other components of funds; Role, nature, volume and types of institutional finance- IDBI, IFCI, SFCS, SIDC, commercial banks, etc. Financial statement - Balance sheet, Profit and loss account; assessment of financial soundness. <b>PROJECT APPRAISAL-</b> Cost Benefits analysis, Net Present Value (NPV) and internal rate of return (IRR) criteria balancing private and social returns. <b>INDUSTRIAL LABOUR-</b> Structure of industrial labour, Employment dimensions of Indian industry, industrial legislation, Industrial relations, Exit policy and social security, Wages and problem of bonus - labour market reforms. <b>CURRENT PROBLEMS OF SELECTED INDUSTRIES-</b> Iron and Steel, Cotton textiles, jute, Sugar, Coal, Cement and engineering goods Development of small scale and cottage industries in India.
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## Part C - Learning Resource

### Text Books:

- Ahluwalia, I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
- Barthwal, R.R. (1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
- Chernilam, F (1994): Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
- Desai, B. (1999), Industrial Economic in India (3rd Edition), Himalaya Publishing house, Mumbai.
- Singh, A. and A.N. Sadhu (1988), Industrial Economics, Himalaya Publishing House, Bombay.
- Sinha V.C. and Sinha Pushpa, Industrial Economics Lok Bharti pub. Allahabad.

### Reference Books:

- Divine, P.J. and R.M. Jones et. At. (1976): An Introduction to industrial economics, George Allen and Unwin Ltd., London.
- Government of India, Economic Survey (Annual)
- Hay, D. and D.J. Morris (1979), Industrial Economics: Theory and Evidence, Oxford



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Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

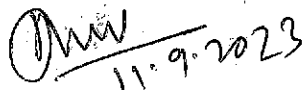

University Press, New Delhi.

- Kuchhal, S.C. (1980): Industrial Economy of India, Chaitanya Publishing House, Allahabad.
- Reserve Bank of India Report on Currency and Finance (Annual).
- Singh, A. and A. Sadhu (1988): Industrial Economics, Himalaya Publishing House.

## E-Resources:

- <http://www.isec.ac.in/onlineresources.htm>
- <https://pkklib.iitk.ac.in/index.php/resources/journals/e-journals/33381:journal-of-industrial-economics>

## Member of Board Studies:

S.No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	- Chairman	 11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	- Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	- Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	- Member	
5.	Mr. Sanjay Kumar Agrawal, Asst. Professor Govt. Agrasen College Bilha	- Member	
6.	Mrs. Shraddha Das, Asst. Professor Govt. Bilasa Girls' PG College Bilaspur	- Member	 (S. Das)
7.	Prof. Rohni Prasad, Professor Pt. Ravishankar Sukla University Raipur	- Member	



# Atal Bihari Vajpayee University Bilaspur (C.G.)

Kouli in front of Police Station Bilaspur - Katanpur Road, Kouli Bilaspur (C.G.) 495008

Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

Part A: Introduction				
Program: M.A. Final		Group: B - I	Year: 2	w.e.f: 2024-2025
1.	Course Code	ECOT206		
2.	Course Title	LABOUR ECONOMICS		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Labour Market and labour policies.</li><li>• Theories of wage determination.</li><li>• Methods of recruitment.</li><li>• Labour market institution, such as collective-bargaining, social security etc.</li><li>• Labour force participation rates and unemployment rates.</li></ul>		
5.	Total Marks:100		Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>Labour Market-</b> Nature and characteristics of labour market Analysis classical, new classical, analysis of demand and supply forces. Demand for labour relating to choice relating to choice of technology. Supply of labour in relation to growth of labour force, Rationalization methods of recruitment and placement, Employments service organization in India.
II.	<b>Employment-</b> Employment and development relationship poverty and unemployment in developing countries concept. types and measurement: particularly in India, Causes of unemployment, issues relating to employment rationalization, technological change and modernization on employment in organized, private industry, public sector and employment in agriculture sector.
III.	<b>Wage determination-</b> Various classical, neo classical and bargaining theories of wage determination, Various concepts of minimum wages and fair living, Problem of implementation of minimum wages, Wage determination by Qetor- urban & rural, Organized and unorganized, Wages and inflation, Productivity and wage relationship. Profit sharing Scheme, Causes of wage differentials in terms of firm, industry, Occupation and region.
IV.	<b>Industrial Relation-</b> Industrial Relation and trade Unions, Industrialization and emergence of trade unionism, Growth, structure and pattern of trade unionism, Achievements and failures of trade union movement, Cause of industrial disputes. Step to achieve Industrial



	peace. Method of settlement of industrial disputes Collective bargaining Conciliation arbitration role of judicial activism, labour legislation in India. Indian labour law and practices in relation to international labour standard.
V.	<b>State and labour In India-</b> State and social security of labour, concept of social security and its evolution social assistance. Review and appraisal of state policies with respect to social security and labour welfare in India. Special problem of labour, child labour, female labour, discrimination and gender wise treatment of labour. Labour market reform- exit policy need for safety nets. Measures impairing. Flexibility in labour markets. Social Insurance. Second National commission of labour, globalization and labour markets.

## Part C - Learning Resource

### Text Books:

- Goyal, Sunil & Goyal, M.L. (2008): Labour Economics, R.B.S.A. Publications, Jaipur.
- Singh, Dilip Kumar, (2008): Workers Participation in Management and Industrial Relation, Rawat Publication, Jaipur & Delhi.
- Singh, Usha & Singh, H.P. (2011): Child Labour in India: Problem and Solutions. Classical Publication, New Delhi.
- Sinha V.C. Labour Economics Mayur Paper Backs Noida
- Kulshreshtha Labour Economics
- Saxsena R.C. Labour Problems & Social Welfare k Nath & Compani Meerut
- Bhagoliwal T.N. Labour Economics & Industrial Relation Sahitya Bhavan Agra.

### Reference Books:

- Hajela P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
- Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000). The Unorganized Sector: Work Security and Social Protection. Sage Publication, New Delhi.
- Lester. R.A. (1964). Economics of Labour. (2nd Edition), Macmilan. New York.
- Mc Connell, C.R. and S.L. Brue (1986). Contemporary Labour Economics, Mc Graw-

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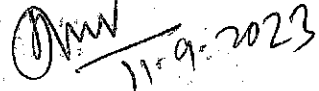
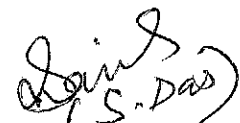
Hill New York.

- Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds.) 1993, Labour, Employment and industrial Relations in India, B.R. Publishing Corporation New Delhi.
- Rosenberh M.R. (1998), Labour Markets in Low Income Countries in Countries. H.B. and T.N. Srinivasan. (Eds.) The Handbook of Development Economics North-Holland, New York.

## E-Resources:

- <https://www.sciencedirect.com/journal/labour-economics>
- <https://www.springer.com/journal/41027>
- [https://www.ilo.org/global/publications/ilo-bookstore/order-online/books/WCMS\\_190112/lang--en/index.htm](https://www.ilo.org/global/publications/ilo-bookstore/order-online/books/WCMS_190112/lang--en/index.htm)

## Member of Board Studies:

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	- Chairman	 11-9-2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	- Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	- Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	- Member	
5.	Mr. Sanjay Kumar Agrawal, Asst. Professor Govt. Agrasen College Bilha	- Member	
6.	Mrs. Shraddha Das, Asst. Professor Govt. Bilasa Girls' PG College Bilaspur	- Member	 (S. Das)





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Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

7. Prof. Rohni Prasad, Professor - Member  
Pt. Ravishankar Sukla University Raipur
8. Prof. Manish Sharma, Professor - Member  
College of Inclave, Bhopal

*Om*



# Atal Bihari Vajpayee University Bilaspur (C.G.)

Koni in front of Police Station Bilaspur - Rajstpar Road, Koni Bilaspur (C.G.) 495009

Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

Part A: Introduction			
Program: M.A. Final	Group: C - 1	Year: 2	w.e.f.: 2024-2025
1.	Course Code	ECOT207	
2.	Course Title	DEMOGRAPHY	
3.	Course Type	Theory	
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Meaning and importance of demographic features in economy.</li><li>• Theories of Population.</li><li>• Meaning and measurement of fertility.</li><li>• Theory of demographic transition.</li><li>• Meaning of mortality and factor responsible for birth rate, Death rate and Infant mortality rate.</li></ul>	
5.	Total Marks:100	Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>Demography-</b> Meaning, Scope and importance of demography sources of demographic data, Tools demography analysis, measurement of population growth and population pyramid
II.	<b>Theories of population-</b> Malthus theory, Socio-culture and economic theories of populations, Biological theories of population, Theory of optimum population, Theory of demographic transition
III.	<b>Fertility-</b> Meaning and definition of fertility, Measurement of fertility- child woman ratio, crude birth rate, corrected birth rate, General fertility rate, Age specific fertility rate, Total fertility rate, Gross reproduction rate, and Net reproduction rate, calculation of fertility rates, determination of fertility, Trends fertility in India.
IV.	<b>Mortality and morbidity-</b> Importance of mortality data, causes of death, meanings of morbidity, Differentials in mortality and morbidity, measurement of mortality crude death rate, Age-specific death rate, Infant mortality rate, Standardized death rate and maternal mortality rate, calculation of mortality rates, Trends in mortality in India, life table. Migration and urbanization, Population projection, growth of population in India, Population and economic development, Population explosion in India Demographic characteristics of developing countries, Population policy of India.



## V. Women Empowerment-

Economics status, Women in decision making, Women and labour market, Evolution of population policy in India- The shift in policy from population control to family welfare, to women empowerment: Family planning strategies and their outcomes, the new population policy; Tasks before the National Population Commission.

### Part C - Learning Resource

#### Text Books:

- Bogue, D. J., 'Principles of Demography', Honwiley, New York.
- Sinha, V. C. and Pushpa Sinha, 'Principles of Demography', Mayur Paper backs.
- Mishra, Jai Prakash, 'Demography', Sahitya Bhawan Publications, Agra.
- Pathak, K. B. and F. Ram, 'Techniques of Demographic Analysis', Himalaya Publishing House.
- Jhingan, M. L. and others, 'Demography', Vrinda Publications (P) Ltd. Srinivasan, K., 'Basic Demographic Techniques and Applications', Sage Publication.
- वी.सी. सिन्हा जनांकिकी, साहित्य भवन पब्लिकेशन, आगरा।
- मिश्रा जे.पी. जनांकिकी, साहित्य भवन पब्लिकेशन, आगरा।

#### Reference Books:

- Census India SRS Bulletins, Registrar General of India, Govt. of India, 2011
- Rural-Urban distribution Census of India: Census Data 2001: India at a glance >> Rural-Urban Distribution. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Number of Villages Census of India: Number of Villages Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Urban Agglomerations and Towns Census of India: Urban Agglomerations and Towns. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.



# Atal Bihari Vajpayee University Bilaspur (C.G.)

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Website: www.abvuniversity.ac.in

- Preston, S.H. (1976). Family Size of Children and Family Sizes of Women. Demography
- Pritchett, L.H. (1994). Desired Fertility and the Impact of Population Policies. Population and Development Review 20(1): 1-5.
- Agarwal S.N. (1997) India's Population problem, Tata McGraw-Hill Co. Bombay.
- Bose, S. (1996), India's Basic Demographic Statistics, B.A. Publishing Corporation, New Delhi.
- Chenery, H. and T.N. Srinivasan (Eds.) 1989, Handbook of Development Economics Vol.1 & 2, Elsevier, Amsterdam.
- Gulati, S.C. (1988) Fertility in India: An Econometric Study of a metropolis, Saga New Delhi.
- Srinivasan: K. (1998). Basic Demographic Techniques and Application, Saga New Delhi.
- Government of India (1974). Towards Equality-Report of the Committee on the Status of Women in India. Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- Seth, M. (2000) Women and Dev. The Indian Exp. Saga Pub. New, Delhi.

### E-Resources:

- <https://www.scienceDirect.com/science/article/abs/pii/S099133314001876>
- <https://ered.library.upenn.edu/cgi-bin/ics/sr.cgi?community=58>
- <https://www.drishtiias.com/daily-updates/daily-news-editorials/india-s-demography>

### Member of Board of Studies

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Singh Govt. Bilasa Gram Panchayat, Bilaspur	Chairman	 11.9.2023



# Atal Bihari Vajpayee University Bilaspur (C.G.)

Koni in front of Police Station Bilaspur- Ratanpur Road, Koni Bilaspur (C.G.) 495009

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2. Dr. P.K. Sinha, Asst. Professor  
Govt. Minimata Girls' PG College Korba Member
3. Miss Anuradha Tirkey, Asst. Professor  
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4. Mr. I.P. Dewangan, Asst. Professor  
Govt. College Pali - Member
5. Mr. Sanjay Kumar Agrawal, Asst. Professor  
Govt. Agrasen College Bilha - Member
6. Mrs. Shradha Das, Asst. Professor  
Govt. Bilasa Girls' PG College Bilaspur - Member
7. Prof. Rohni Prasad, Professor  
Pt. Ravishankar Sukla University Raipur - Member
8. Prof. Manish Sharma, Professor  
College of Inclave, Bhopal Member

*Shradha Das*  
(S. Das)



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Part A: Introduction				
Program: M.A. Final		Group: D - I	Year: 2	w.e.f: 2024-2025
1.	Course Code	ECOT208		
2.	Course Title	AGRICULTURE ECONOMICS		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Agriculture of Chhattisgarh.</li><li>• Role of agriculture in economic development.</li><li>• Principles of land utilization, land use.</li><li>• Problem of marginal and small farmers</li><li>• Understand the technology used to maximise the crop yield while maintain a good soil ecosystem.</li></ul>		
5.	Total Marks:100		Min Passing Marks:36	

Part B: Content of the Course	
Unit	Topics
I.	<b>Nature and Scope of Agriculture economics-</b> Traditional and Modern agriculture, role of agriculture in economic Development. Problem in rural industrialization, development of Agro-based industries, between agriculture and industry. Green revolution, Agricultural Production, Production function analysis, cost concept in agriculture product, farm budgeting. Resource use and efficiency in Agricultural Sector.
II.	Land use- Principles of land utilization, land distribution, Land values and rent. Land reform measures and performance, Land tenures and farming systems, problem of marginal and small farmers, Rural Labour Supply, Mobility of labour and labour market in agriculture sector, Nature of employment in rural sector Agriculture wages in India. Male-Female wage difference in agriculture
III.	<b>Rural Finance-</b> Rural Finance- role of rural capital and rural credit, Rural capital and capital formation. Characteristics and source of rural credit, Institutional and non-institutional rural credit, Rural Bank. Regional Rural Banks and Rural credit Co-operative Societies, Agriculture price- Agriculture market, behavior of agriculture price, agriculture. Markets and agriculture marketable surplus, Taxation, crop insurance, state policy and Agriculture price policy.



<b>IV.</b>	<b>Agricultural Growth in India:</b> Agricultural growth in India - recent trends, inter regional variation in growth of agriculture product, cropping pattern, factors affecting productivity, pricing of input, role of subsidies, role of technology and input of irrigation in Agricultural sector. Problem and prospects of Globalization and W.T.O. in India Agricultural commodities.
<b>V.</b>	<b>Infrastructure:</b> Infrastructure and economic development, the structure of Transportation costs. Demand for transportation, Cost function in the transport Sector, Telephone utilities, role of postal services. Demand for Energy. Energy conservation, Renewable and Non-conventional Sources of Energy.

### Part C- Learning Resource

#### Text Books:

- Bhahacharjee, J.P.-Studies in Indian Agricultural Economics.
- Rao, V.K.R.V.- New Challenge before Indian Agriculture.
- Mellor, J.W.-The Economics of Agricultural Development.
- Bhadure, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
- Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.
- Dantewada, M.L. Et. a, (1991), Indian Agricultural Development Since independence, Oxford Referen & BH, New Delhi.

#### Reference Books:

- Government of India (L976), Report of the National Commission of Agriculture, New Delhi. Government of India, Economic Survey (Annual), New Delhi.
- Gulati, A, and T. Kelly (L999), Trade Liberalization 'and Indian Agriculture, Oxford University Press, New Delhi.
- Joshi, P.C. (1975), Land Reforms in India: Trends and. Prospects. Allied Publishers,

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11.9.2023



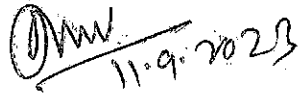
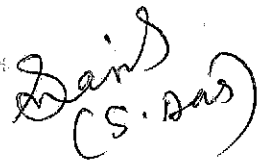
Bombay.

- Kahlon, A. S. and Tyagi D.S. (1983), Agriculture Price. Policy in India, Allied Publishers, New Delhi.
- Rao, C.H.I. Hanumanth (1975), Agricultural Growth, Rural Poverty, and Environmental Degradation in India, Oxford University Press, New Delhi.
- Reserve Bank of India, Report on Currency and Finance (Aual), Mumbai.
- IRudra, A. (1982), Indian Agricultural Economics, Myths and Relaty, Alled Publishers, New, Delhi.

#### E-Resources:

- <https://icar.org.in/content/consortium-e-resources-agriculture-cera>
- [https://www.wileyindia.com/Wiley\\_Online\\_Resources/CeRA/CeRA.html](https://www.wileyindia.com/Wiley_Online_Resources/CeRA/CeRA.html)

#### Member of Board Studies:

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	Chairman	 11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	Member	
5.	Mr. Sanjay Kumar Agrawal, Asst. Professor Govt. Agrasen College Bilha	Member	
6.	Mrs. Shraddha Das, Asst. Professor	Member	 (S. Das)





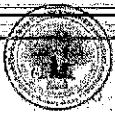
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Govt. Bilasa Girls' PG College Bilaspur

- |    |   |   |        |
|----|---|---|--------|
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| 8. | Prof. Manish Sharma, Professor<br>College of Inclave, Bhopal              | - | Member |




# Atal Bihari Vajpayee University Bilaspur (C.G.)

Koni in front of Police Station Bilaspur- Ratanpur Road, Koni Bilaspur (C.G.) 495009

Website: [www.bilaspuruniversity.ac.in](http://www.bilaspuruniversity.ac.in)

Part A: Introduction			
Program: M.A. Final	Group: E - 1	Year: 2	w.e.f.: 2024-2025
1. Course Code	ECOT209		
2. Course Title	COMPUTER APPLICATION IN ECONOMIC ANALYSIS		
3. Course Type	Theory		
4. Course Learning Outcomes (CLO)	<b>By the end of the course, the students will be able to understand:</b> <ul style="list-style-type: none"><li>• Computer software and tools commonly used in economic analysis.</li><li>• Computer programming languages to conduct economic analysis.</li><li>• Elementary knowledge about computer and data processing.</li><li>• Techniques and methods tables, graphs and frequency series.</li><li>• The data storage and data operations.</li></ul>		
5. Total Marks:100	Min Passing Marks:36		

Part B: Content of the Course	
Unit	Topics
I.	<b>Introduction to computer and peripherals:</b> Basic components of computer- CPU, input device, Keyboard, Mouse and Scanner, Video Display, Printer and Plotters. Data storage and retrieval, hard disk, floppy disk and CD ROM. Types of computers and their applications, computers networking and resources sharing hardware, Software and firmware examples and techniques in programming languages elementary Knowledge only.
II.	<b>Data Processing, Techniques and Algorithms Concepts of data, record and file:</b> Types of data and data structure, data analysis, file handling and operations like opening, Appending and cascading, closing and attribute control; data storage and retrieval: data Operations algorithms like Sorting, merging, joining and bifurcation database concepts and operation on database. DBMS and RDBMS
III.	Statistical Processing Techniques and Methods Series; tables; Graphs and Object time and frequency series; regression methods and technique regression analysis data Validation, trends and cycle city forecasting system modelling and description: System equation. Specification: error and correction strategies; Statistical modelling and descriptive statistic, distribution functions, regression statistics.
IV.	IT.s application commerce, Online Banking ATN's Electronic Stock, Exchange Electronic Trading data sharing and decimation: electronic Transition: Documents delivery, authentication and validation transaction; processing.

  
11.9.2023



V.	I.T. application to Commerce Electronic trading and marketing, Online shopping and malls, B2B, B2C, and G2B. models and their applications; Document and transaction Security and digital signature, integrated transaction on mobile platforms.
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## Part C - Learning Resource

### Text Books:

- Rajasekaran, S. (1986): Numerical Methods in Science and Engineering, A.H. Wheeler, Allahabad.
- Sanders, D.H. (1988): Computers Today, McGraw hill (3rd Edition), New York.
- Sinha. P.K. (1992): Computers Fundamentals, BPB Publications, New Delhi, Reference.


### Reference Books:

- Rajaraman, V. (1996): fundamental of Computers, prentice Hall of India, New Delhi.
- Lipschultz, M.M. and S. Lipschults (1982): Theory and Problems of Data Processing Schum, Outline Series, McGraw hill, New York.

### E-Resources:

- <https://economics.iisuniv.ac.in/courses/subjects/computer-application-economic-analysis-1>
- <https://www.anuonline.ac.in/courses/ba-economics-banking-computer-applications.html>

## Member of Board Studies:

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	- Chairman	 11/9/2023
2.	Dr. P.K. Sinha, Asst. Professor	- Member	



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| 3. | Miss Anuradha Tirkey, Asst. Professor<br>Govt. College Bhaisma                | - | Member |
| 4. | Mr. I.P. Dewangan, Asst. Professor<br>Govt. College Pali                      | - | Member |
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| 7. | Prof. Rohni Prasad, Professor<br>Pt. Ravishankar Sukla University Raipur      | - | Member |
| 8. | Prof. Manish Sharma, Professor<br>College of Inclave, Bhopal                  | - | Member |

*S. Das*  
(S. Das)