

DEVA MATHA COLLEGE
KURAVILANGAD



DEPARTMENT OF
ECONOMICS

INDIVIDUAL MONTHLY
STATEMENT OF WORK

DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: June 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 52

Class	Hours	Topics or Portions Covered
I DC	10	Science-Different branches of science-Evolution of a scientific approach Social science Disciplines
II DC	17	Meaning of market- Market structure- Perfect Competition – characteristics - short run and long run equilibrium of a firm and industry – role of time element in the determination of value - derivation of supply curve – shut down point – producer’s surplus – imperfect markets –Monopoly – sources - features – short run and long run equilibrium - discriminating monopoly- price and output determination under discriminating monopoly - degrees and types of price discrimination – dumping – Monopsony- Bilateral monopoly – social costs of monopoly power – regulation of monopoly
III DC	10	Multidisciplinary nature of environmental studies Definition, scope and importance . Need for public awareness. Natural Resources : Natural resources and associated problems. a) Forest resources b) Water c) Mineral resources. d) Food resources e) Energy resources f) Land resources • Role of individual in conservation of natural resources. • Equitable use of resources for sustainable lifestyles. Ecosystems • Concept of an ecosystem • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids. • Introduction, types, characteristic features, structure and function of the given ecosystem:- a. Forest ecosystem
III DC	12	Economics – micro and macro – deduction and induction – basic economic problems production possibility curve. Utility - total and marginal. Law of Demand – elasticity of demand - price elasticity - types. Law of supply. National income – meaning - components of national income



Departmental/ Extracurricular/ Student support activities

- 1. Tutorials/Mentoring: III DC Economics Students**
- 2. WWS: Meeting with each department (17/06/2019)**

Administrative activities:

- 1. Department level admission officer CAP**



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: July 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 22

Details of regular and extra classes engaged: 74

Class	Hours	Topics or Portions Covered
I DC	25	Need for interdisciplinary approach - Objectivity and subjectivity in social Science - Limits to objectivity in social science. Economics as a social science –Subject matter and scope of Economics, Importance of the study of economics with other social sciences like history, political science, psychology, law and Sociology.
II DC	25	Monopolistic competition – characteristics - non-price competition and selling costs - short run and long run (group) equilibrium - ideal output and excess capacity – limitations of monopolistic competition - oligopoly – characteristics – Price stickiness - Kinked demand curve – Sweezy model - Non-Collusive oligopoly – Duopoly (concept only) –competition Vs collusion - collusive oligopoly – cartels and price leadership – low-cost, dominant and barometric price leadership models – concept of limit pricing and cost plus pricing
III DC	10	Environmental Pollution Definition Causes, effects and control measures of: - a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards • Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution • Pollution case studies • Disaster management: floods, earthquake, cyclone and landslides. Social Issues and the Environment • Urban problems related to energy • Water conservation, rain water harvesting, watershed management • Resettlement and rehabilitation of people: its problems and concerns, Case studies • Environmental ethics: Issues and possible solutions • Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies • Consumerism and waste products • Environment Protection Act • Air (Prevention and Control of Pollution) Act • Water (Prevention and control of Pollution) Act • Wildlife Protection Act • Forest Conservation Act • Issues involved in enforcement of environmental legislation • Public awareness
III DC	12	State vs Market - public revenue - public expenditure – tax and non-tax revenue – direct and indirect taxes – goods and service tax in India - budget – types - fiscal deficit - revenue deficit - public debt



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Choosing students and department (22/07/2019)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: August 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 15

Details of regular and extra classes engaged: 64

Class	Hours	Topics or Portions Covered
I DC	20	Positive and Normative Economics, Economic theory and Economic laws, Micro and Macro Economics, Role of assumptions in Economics, Method and Methodology - Deductive and inductive methodology, Economic Models Various Concepts: Function, Variable, Equilibrium-Partial and General, Static, Comparative static and Dynamic ; Marginal and Total; Nominal and Real; Value
II DC	20	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages
III DC	10	Environmental Economics – Definition – Scope – Meaning – importance – EnvironmentEconomy interaction (linkages) – material balance model – ecosystem – structure and functions – relation between environment and development – Environment as a necessity and luxury- environmental issues and global concern-Stockholm Conference – Helsinki Convention – Montreal Protocol – Kyoto Protocol – Rio Summit – Paris Convention. Population growth and Environment – market failure – tragedy of commons-sustainable development-policy approach to sustainable development(An overview only)
III DC	10	trade cycle and its phases - fiscal and monetary policies as tools for combating inflation and deflation. Negotiable and non-negotiable instruments – cheques – drafts - bills of exchange – promissory notes- letter of credit - certificate of deposits – commercial papers



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring :III DC Economics Students

2. WWS :Meeting with students (08/08/2019)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: September 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 75

Class	Hours	Topics or Portions Covered
I DC	25	Mercantilism(Thomas Mun, William Petty) and Physiocracy (Francis Quesnay and Turgot), Basic postulates of Classical and Neo-Classical economic thought (Adam Smith, Ricardo, J.B.Say, Malthus, J.S.Mill, Jeremy Bentham, Alfred Marshall, A.C.Pigou and Walras,) Socialist and Marxist Economic Thought(Saint Simon, Sismondi and Karl Marx, Revised syllabi of UG Programme in Economics w.e.f 2017 admissions Keynesianism(keynes as a critique of classical Economics and Monetarism(Milton Friedman). Contribution of Indian Economicists- Kautilya, DadabhaiNaoroji, Amartya Sen and J.N..Bhagwathi).
II DC	25	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages - wage differentials - effect of labour unions on wages – theories of interest – classical, admissions neo-classical and Keynesian theories of interest – theories of profit- dynamic theory, riskbearing theory – innovation theory of profit
III DC	10	Evaluation of environmental benefits – Contingent Valuation Method – Hedonic approach – travel cost method – preventive expenditure method - surrogate market approach – property value approach and wage differential approach - cost benefit analysis – UNIDO analysis – Little- Mirrlees approach - Environmental Impact Analysis. Pollution control – socially optimum level of pollution – environmental policies and legislations in India
III DC	15	Banking and non-banking institutions - commercial banks — Core Banking, Internet Banking, Mobile Banking, ATM/Debit & Credit Cards,IFSC,NEFT,RTGS–NPA in Indian banking sector RBI – functions - money and capital market – major financial instruments – shares, debentures and bonds – Insurance: meaning, nature and types - stock exchange – BSE, NSE – stock market indices – SEBI - mutual funds. Terms of trade - balance of trade - balance of payments - foreign exchange - exchange rate – spot – forward – fixed – floating - IMF, World Bank – WTO.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (16/09/2019)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: October 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 77

Class	Hours	Topics or Portions Covered
I DC	25	Ecosystems • Concept of an ecosystem • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids. • Introduction, types, characteristic features, structure and function of the given ecosystem:- a. Forest ecosystem
II DC	25	Welfare economics – nature, concepts and scope- problems of measuring social welfare - Edgeworth box diagram – contract curve - criteria of social welfare – role of value judgement- growth of GNP criterion – Bentham’s criterion – Cardinalist criterion - Pareto optimality criterion
III DC	10	Human Rights– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights). Unit-2 Human Rights and United Nations – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities Unit-3 Human Rights and environmental rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthuriangan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. .
III DC	15	An overview of Planning in India - Planning Commission –NITI Aayog- Finance Commission – Green revolution – changing pattern of India’s industrialisation - Liberalization - Privatization - Globalization (LPG) – Major features of population in India and Kerala - Kerala model of development



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS :Meeting with students(04/10/2019)

Administrative activities:

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: November 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 75

Class	Hours	Topics or Portions Covered
I DC	25	Definitions of Economics-Problem of scarcity and choice – Central problems of Economy-production possibility frontier - microeconomic policy goals – efficiency and equity.– functions of an economic system - short run and long run analysis, partial and general equilibrium analysis (concepts only) – Marginal concept in micro Economics
II DC	25	Meaning and subject matter of Public Finance – Public and Private Finance – Fiscal Functions-Allocation, distribution and stabilization-Principles of Maximum Social Advantage: Dalton, Musgrave – Public Goods: Pure and Impure Public Goods, Free rider problem. Private Goods, Mixed Goods and Merit Goods, -Market failure and role of government.
III DC	25	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset Management Companies.

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (04/11/2019)

Administrative activities:

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: December 2019

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 60

Class	Hours	Topics or Portions Covered
I DC	20	Concepts of demand- Factors affecting demand- Law of demand- exceptions-demand for normal, inferior, substitute and complementary goods- Shifts of demand versus movements along a demand curve – elasticity of demand – Degrees- price elasticity of demand – determinants- methods of estimation – Total outlay, Point, and arc method – income elasticity of demand and cross elasticity of demand
II DC	20	Sources of public revenue -Classification of Taxes - Canons of Taxation, Principles of Taxation-Ability, Benefit and cost of service- Impact, Incidence and shifting of Tax Burden – – Effects of Taxation – Measurement of Deadweight loss -Taxable Capacity- Laffer curve Major Taxes in India and its impact- Value Added Tax in India –Goods and Service Tax (GST-brief history, legislation and impact)- Budget and its role– Classification of budget Concepts :Revenue Account, Capital Account, Fiscal Deficit, Revenue Deficit, Primary Deficit
III DC	20	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset Management Companies.

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (02/12/2019)

Administrative activities:

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: January 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 19

Details of regular and extra classes engaged: 65

Class	Hours	Topics or Portions Covered
I DC	22	Concepts of supply- Factors affecting supply-Law of supply- shifts of supply versus movements along a supply curve - elasticity of supply – uses of elasticity – market equilibrium and impact of changes in demand and supply – dynamic demand and supply model: cobweb model — demand forecasting – objectives and methods of demand forecasting - seller’s view. Concepts of Total and Marginal utility- Consumer preferences and choice-consumer’s equilibrium – cardinal utility and ordinal utility – law of diminishing marginal utility – admissions consumer equilibrium under cardinal utility – derivation of demand curve - law of equimarginal utility – water-diamond paradox – criticisms of cardinal utility approach
II DC	20	Zero Base Budgeting-Budgetary Procedure in India (introduce the recent Central Budget to the students)- Gender Budgeting-Fiscal Policy –Deficit financing . Meaning— Canon’s of Public Expenditure-Plan and Non-plan Expenditure- Developmental and Non-developmental expenditure- Wagner’s Hypothesis, Peacock - Wiseman Hypothesis, critical limit hypothesis
III DC	22	Static and Dynamic Functions of money, near money, inside money and outside money – monetary aggregates –M1,M2,M3, M4-High powered money and money multiplier. RBI functions- Instruments of Monetary policy

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (08/01/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: February 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 71

Class	Hours	Topics or Portions Covered
I DC	23	indifference curve analysis – characteristics – MRS - budget line – consumer's equilibrium – income effect and Engel curve – price effect, income effect and substitution effect- derivation of demand curve – splitting price effect into income effect and substitution effect: Hicksian and Slutsky's approaches - criticisms of ordinal utility approach – revealed preference theorem – derivation of demand curve – distinction between weak and strong ordering – consumer's surplus – Marshallian and Hicksian approaches. New approaches to consumer theory - Pragmatic approach & Linear Expenditure System (LES) (Concepts only).
II DC	22	Effects of Public Expenditure- Public expenditure in India: Its pattern and growth -Public Debt- Types- debt redemption –burden of public debt – public debt in India
III DC	24	Repo and Reverse Repo –Base rate- Commercial banking in India – Structure-Functions of commercial banks –conflict between profitability and liquidity, credit creation and credit multiplier – Non-Performing Assets Digital Payment System in India – RTGS, NEFT, Prepaid Payments instruments.

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (06/02/2020)

Administrative activities:

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: March 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 79

Class	Hours	Topics or Portions Covered
I DC	23	Production function – total, average & Marginal product- time element in production function – law of variable proportions (modern approach)– isoquants – properties – MRTS - ridgelines and economic regions of production– Isocost lines – optimal input combination – producer’s equilibrium – expansion path – elasticity of factor substitution - laws of returns to scale – economies and diseconomies of scale – empirical production function: Cobb-Douglas production function – properties – cost functions - cost concepts - explicit and implicit costs, economic and accounting costs, sunk cost, opportunity cost ,real cost, social cost- traditional theory of costs - short run and long run analysis of costs – envelope curve – modern theory of cost – short run and long run- L-shaped and saucer-shaped cost curves
II DC	22	Meaning – Principles of Federal Finance- vertical and horizontal equity in fiscal federalism - fiscal federalism in India – Finance commission – Current Finance Commission- Theory of grants – resource transfer from union to states – criteria for transfer of resources – State Finance Commission and Panchayati Raj institutions.
III DC	24	Capital Market –Functions –structure and functions of primary market and secondary market –Methods of Public issue-IPO, FPO- Book building –Major investment groups –Retail Investors-Domestic Institutional Investors and Foreign Portfolio Investors-SEBI-Functions.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (03/03/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: June 2019

Name : Sojo John

Total Number of Working days : 20

Details of regular and extra classes engaged : 40

Class	Hours	Topics or Portions Covered
II DC	17	Growth and Development – meaning – features – distinction – determinants and indicators – features of underdevelopment – measurement of development - income and nonincome indices – GDP, PCI, PQLI, HDI, HPI, GEM – (GDI, GNH) – Development redefined – Development as a total social process – Development as freedom – Development as Liberation – Sen’s capability approach – poverty as capability and Entitlement failure – multidimensional poverty index
III DC	20	Kuznets’s consumption puzzle-Conflict between short-run and long run consumption functions- relative income hypothesis– permanent income hypothesis- life-cycle hypothesis Theory of capital and theory of investment- Present Value Criterion



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: July 2019

Name: Sojo John

Total Number of Working days : 22

Details of regular and extra classes engaged: 52

Class	Hours	Topics or Portions Covered
II DC	25	Quality of life – Education – Health and Nutrition – poverty – absolute and relative – inequality of income and wealth – Gini coefficient – Kuznet’s inverted ‘U’- Hypothesis – Development gap, Approaches to Economic Development: Structuralist – dependency - market- friendly approaches (concepts only) – vicious circle of poverty – Stage theories Rostow – low level equilibrium trap – Critical minimum effort thesis
III DC	25	Accelerator theory of Investment- Tobin’s q theory, Money-classical approach –Keynesian liquidity preference theory and interest rate determination-liquidity trap-Keynes effect-supply of money-sources- high-powered moneymoney multiplier- measures of money supply in India. Inflation: types – Demand-pull and cost-push inflation



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month : August 2019

Name: Sojo John

Total Number of Working days :15

Details of regular and extra classes engaged: 38

Class	Hours	Topics or Portions Covered
II DC	18	Big push – Lewis model – balanced vs unbalanced growth strategy – Dualistic theories. Classical – Marxian – Schumpeterian. Economic Development – role of agriculture – capital – technology
III DC	20	Inflationary and deflationary gap-causes and effects of inflation – control of inflation-types of unemployment- Oakun’s law-inflation and unemployment- the Phillips curve-Stagflation- long run Phillips curve- Natural rate of unemployment



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: September 2019

Name : Sojo John

Total Number of Working days :18

Details of regular and extra classes engaged : 39

Class	Hours	Topics or Portions Covered
II DC	18	choice of technique - Trade and economic development – process of cumulative causation- Human Resource and Development – man power planning – concept of intellectual capital and its size – role of education and health in economic development
III DC	20	Trade cycles- Types and phases- Stabilization policies-Active or passive; monetary policy objectives and targets; Fiscal and Monetary policy in the IS-LM context(closed economy only)-Financial Crises & Regulatory response.



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: October 2019

Name: Sojo John

Total Number of Working days: 18

Details of regular and extra classes engaged: 40

Class	Hours	Topics or Portions Covered
II DC	18	Education and health as joint investment for development – Gender and development – women in the labour force – missing women population and economic growth – optimum theory of population – theory of demographic transition – ageing and younging of population
III DC	20	Monetarism- Monetarist propositions and the Quantity Theory Restatement New Classical Economics- Rational Expectations(concept)- Lucas' Critique(Policy ineffectiveness proposition) Supply Side Economics- Tax cut policy and the Laffer Curve Analysis New Keynesian School – Nominal Wage Rigidity model (Overview)



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20

Month: November 2019

Name: Sojo John

Total Number of Working days : 20

Details of regular and extra classes engaged: 50

Class	Hours	Topics or Portions Covered
II DC	20	Micro and Macroeconomics-Main issues in Macroeconomics- Macro statics and macro dynamics-circular flow of economic activity in a two sector economy- National Income concepts and their interrelationships- methods of measurement of national income- value added, income and expenditure methods-social accounting method-estimation of national income in India-Environmental concerns in national accounts- green accounting- Net Economic Welfare
III DC	20	Nature and scope of international economics-differences between internal and international trade -Inter industry trade and intra-industry trade -Terms of trade –types, and factors affecting terms of trade – community indifference curve - Classical theory -Theory of absolute cost advantage, Theory of Comparative cost advantage, reciprocal demand theorem - offer curves - Opportunity cost theorem
III DC	10	The scope and methods of Business Economics – role in managerial decision making – decision making – approaches to managerial decision making theory and firms – basic concepts in economics – scarcity – choice – resource allocation – fundamental concepts and principles : the incremental concept



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: December 2019

Name: Sojo John

Total Number of Working days :18

Details of regular and extra classes engage : 52

Class	Hours	Topics or Portions Covered
II DC	20	Main postulates of classical macroeconomics- Say's Law of Markets – Classical theory of employment and output determination – wage price flexibility and full employment equilibrium-classical theory of interest-quantity theory of money- Cash transactions and Cash balances approaches - -Classical dichotomy and neutrality –Pigou effect- Keynes criticism of classical theory.
III DC	20	Heckscher - Ohlin theory, Leontief's paradox, Factor price equalization theorem, Gains from Trade, static and dynamic gain from trade- Meaning and structure of balance of payments – equilibrium and disequilibrium - measures to correct disequilibrium- monetary and non-monetary measures
III DC	10	the time perspective – the discounting principle – the opportunity cost concept – the equimarginal principle



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20

Month: January 2020

Name: Sojo John

Total Number of Working days: 18

Details of regular and extra classes engaged: 52

Class	Hours	Topics or Portions Covered
II DC	20	Keynesian Revolution –Main postulates of the general theory- Consumption function Psychological law of consumption- Savings function- graphical, algebraic and numerical illustrations of APC, MPC, APS, MPS
III DC	20	Devaluation, depreciation and Balance of payments- Elasticity approach- Marshall- Learner condition – J curve effect , Functions of foreign exchange markets - Forex Market participants.-Demand and supply of foreign exchange
III DC	10	Demand – types – determinants of demand – Law of demand – changes in demand – elasticity of demand – income – price – cross (with numerical illustration) – Demand determinants of non-durable consumer goods



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: February 2020

Name: Sojo John

Total Number of Working days: 20

Details of regular and extra classes engaged: 57

Class	Hours	Topics or Portions Covered
II DC	20	-factors determining consumption-investment demand Function-determinants of investment- MEC and MEI and the role of expectations-principle of effective demand . Two sector Keynesian cross model of income determination - Algebraic derivation Under employment equilibrium
III DC	20	Determination of equilibrium exchange rates - Factors influencing exchange rates. Theories of exchange rate determination- The Mint Parity Theory, Purchasing Power Parity theory, balance of payment theory. – Fixed and floating exchange Rate, spot and forward rates, hedging, speculation, arbitrage, futures, options and currency swaps. Exchange rate system in India-managed floating – partial and full convertibility on current and capital accounts.
III DC	15	durable consumer goods – capital goods – demand forecasting – types – methods of demand forecasting – forecasting demand for new products – criteria for a good forecasting method. Production function: Production function with empirical studies – Cobb Douglas production function – Cost concepts and classification – accounting cost and economic cost – actual cost and opportunity cost – explicit cost and implicit or imputed cost – out of pocket cost - book cost – direct and indirect cost – historical cost and replacement cost – short run and long run cost – total cost – average cost – marginal cost – cost estimation – accounting cost method – engineering cost method – objective of the firm: managerial theory of firm- by William J. Baumol.



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019-20 Month: March 2020

Name: Sojo John

Total Number of Working days: 20

Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Covered
II DC	20	The effects of changes in autonomous investment on income multiplier analysis-static and dynamic multiplier- three sector Keynesian Cross model-The effects of changes in taxes and public expenditure on income-Balanced budget multiplierFour sector Keynesian Cross model-foreign trade multiplier(concept only).Two sector ISLM model of income determination (model only).
III DC	20	Commercial Policy – free trade and protection – tariffs and quotas and their effects – other non-tariff barriers –Economic Integration-meaning, forms and benefits, BRICS – Gold standard – The Bretton Woods System, International Monetary Fund - World Bank. GATT - Uruguay round, WTO.
III DC	15	Pricing methods – cost oriented pricing – competition oriented pricing – practical methods of pricing – peak-load pricing – pricing of a new product – multi product pricing – Dual pricing – administered pricing – transfer pricing – profit – profit theories – risk bearing theory – market imperfection theory – innovation theory – accounting and economic profit – profit planning – Break-even analysis. Capital budgeting – meaning and need demand for capital – methods of investment criteria – payback period method – Average Rate of Return method – Discounted cash flow method – Net Present Value method – Profitability index – Internal Rate of Return method – (with numerical illustration) – cost of capital



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: June 2019

Name: Jinu Joseph

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 36

Class	Hours	Topics or Portions Covered
I UG	15	Quantitative Methods Matrix Algebra: Definition of matrix- types of matrices- operation on matrices- determinants- properties
III UG	20	Classical Linear Regression Model— Meaning and methodology— Modern interpretation of econometrics— Population regression function (PRF)— The concept of linearity in econometrics— stochastic re – interpretation and its significance — Sample regression function (SRF)



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL
3. Practical examination: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: July 2019

Name: Jinu Joseph

Total Number of Working days: 18 days

Details of regular and extra classes engaged: 31

Class	Hours	Topics or Portions Covered
I UG	15	cramer's rule-rank of matrix-Variables, constants, parameters, simple functional relationship and their graphs, solutions to simultaneous equations, quadratic equations.
III UG	15	Estimation of PRF—The method of OLS—Advantages of OLS— Numerical Properties of OLS estimators—Statistical properties of OLS— Gauss-Markov Theorem and the assumptions of Classical Linear Regression Model



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: August 2019

Name: Jinu Joseph

Total Number of Working days: 10 days

Details of regular and extra classes engaged: 32

Class	Hours	Topics or Portions Covered
I UG	15	Differential and Integral calculus Rules of Differentiation, Higher order derivatives, Applications of derivatives in Economics
III UG	15	Evaluation of SRF—Goodness of the Fit—R Square Reliability and Precision of OLS estimators—Standard Error of the OLS Estimator and the Estimate



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: NIL
2. WWS: NIL

Administrative activities:

Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: September 2019

Name: Jinu Joseph

Total Number of Working days: 17 days

Details of regular and extra classes engaged: 47

Class	Hours	Topics or Portions Covered
I UG	30	Maxima and minima of functions-Elementary ideas of integral calculus. Input-output analysis – static and dynamic model – technical viability–Hawkins Simon’s conditions - open and closed model- application and limitation of the model.
III UG	15	Hypothesis testing and estimation—Hypothesis testing of OLS estimators—t test—Point and interval estimation(Basics)—Introduction to Multiple Regression



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: October 2019

Name: Jinu Joseph

Total Number of Working days: 11 days

Details of regular and extra classes engaged: 54

Class	Hours	Topics or Portions Covered
I UG	28	LPP- Formulation of LPP - Solution of LPP: Graphical method, Simplex method – duality- application and limitation of linear programming
III UG	25	Relaxing the assumptions of Classical Linear Regression Model Heteroscedasticity— nature, estimation in its presence— detection and remedial measures- Multicollinearity— nature, estimation in its presence—detection and remedial measures



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: November 2019

Name: Jinu Joseph

Total Number of Working days: 17 days

Details of regular and extra classes engaged: 26

Class	Hours	Topics or Portions Covered
I UG	12	Theory of Consumer Behavior and Firms The nature of utility function–indifference curve– maximization of utility
III UG	12	Indian economy - Economic Development Strategy since Independence Mixed Economic Framework - Key and Strategic Role of PSUs – Economic Crisis of 1990 – Macro Economic Reforms Implemented Since 1991-Structural Adjustment Programmes



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL
3. Practical examination: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: December 2019

Name: Jinu Joseph

Total Number of Working days: 14 days

Details of regular and extra classes engaged: 27

Class	Hours	Topics or Portions Covered
I UG	12	Demand function – Demand curve - elasticity, types and measurements -Slutsky equation.
III UG	13	Globalisation, Liberalisation and Privatisation – Performance of Indian Economy before and after Economic Reforms -External Sector Reforms since 1991 - Trade and Currency Reforms, - foreign capital - FDI, portfolio investments and MNCs



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: January 2020

Name: Jinu Joseph

Total Number of Working days: 13 days

Details of regular and extra classes engaged: 30

Class	Hours	Topics or Portions Covered
I UG	13	Production functions and product curves - isoquants - elasticity of substitution – Cobb-Douglas, CES production function- optimum combination of inputs-.Cost function – long run and short run
III UG	15	Demographic Features – Population–size, structure (sex and age) – characteristics – population change – rural– urban migrations, occupational distribution, problems of over population, population dividend, population policy, Gender inequality, women empowerment.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: February 2020

Name: Jinu Joseph

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Covered
I UG	37	Market Structures Demand and Supply functions under perfect competition- Goods market and Factor market Equilibrium: Perfect competition, Monopoly, price discrimination, monopolistic competition.
III UG	20	Agriculture, Industry and Service Sector Role of Agriculture in Indian Economy-Land Reforms-New Agricultural Strategy – Green Revolution – Need for Second Green Revolution – Agricultural Growth and Performance-New Agricultural Policy –Changes in Land use and Cropping Pattern-Agricultural Finance and Issues- Agriculture during Economic Reform Period- WTO and Indian Agriculture. Industrial growth during pre- reform and post reform period- Industrial Policy Resolution of 1956 and 1991- Role of Micro, Small and Medium Scale Industries (MSMEs) in Indian Economy Its problems and remedies-Role and Performance of Service sector in Indian Economy



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

1. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2019– 20 Month: March 2021

Name: Jinu Joseph

Total Number of Working days: 16 days

Details of regular and extra classes engaged: 66

Classes	Hours	Topics or Portions Covered
I UG	34	Game Theory Concept-Two-person zerosum game-Maximin and Minimax strategy-Saddle point-Mixed strategies-Prisoner's dilemma-Payoff matrix of a game-two-person-two-commodity-and zero-sum-game
III UG	30	Economic Planning and Development Issues Meaning and rationale of Planning-Basic Strategies ,Objectives and Achievements of Planning in India-Strategies of 12th Plan, Inclusive Development-NITI Aayog - Trends in India's National Income-and inequality in India- Magnitude of poverty unemployment, black money and corruption-rising prices-energy crisis-Microfinance and its significance-importance of infrastructure in India's economic development. Kerala Economy Features, Kerala model of development - Structural change and economic growth in Kerala-Land reforms-current issues in agriculture-food crisis-changes in cropping pattern-agricultural indebtedness-unemployment-IT sector in Kerala-fiscal crisis in Kerala, Gulf migration, energy policy and energy crisis, decentralized planning in Kerala.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring : NIL
2. WWS: NIL

Administrative activities:

3. Department level admission officer CAP: NIL



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: June 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 52

Class	Hours	Topics or Portions Covered
I DC	10	Science-Different branches of science-Evolution of a scientific approach Social science Disciplines
II DC	17	Meaning of market- Market structure- Perfect Competition – characteristics - short run and long run equilibrium of a firm and industry – role of time element in the determination of value - derivation of supply curve – shut down point – producer’s surplus – imperfect markets –Monopoly – sources - features – short run and long run equilibrium - discriminating monopoly- price and output determination under discriminating monopoly - degrees and types of price discrimination – dumping – Monopsony- Bilateral monopoly – social costs of monopoly power – regulation of monopoly
III DC	10	Multidisciplinary nature of environmental studies Definition, scope and importance . Need for public awareness. Natural Resources : Natural resources and associated problems. a) Forest resources b) Water c) Mineral resources. d) Food resources e) Energy resources f) Land resources • Role of individual in conservation of natural resources. • Equitable use of resources for sustainable lifestyles. Ecosystems • Concept of an ecosystem • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids. • Introduction, types, characteristic features, structure and function of the given ecosystem:- a. Forest ecosystem
III DC	12	Economics – micro and macro – deduction and induction – basic economic problems production possibility curve. Utility - total and marginal. Law of Demand – elasticity of demand - price elasticity - types. Law of supply. National income – meaning - components of national income



Departmental/ Extracurricular/ Student support activities

- 1. Tutorials/Mentoring:** III DC Economics Students
- 2. WWS:** Meeting with each department (18/06/2020)

Administrative activities:

- 1. Department level admission officer CAP**



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: July 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 22

Details of regular and extra classes engaged: 74

Class	Hours	Topics or Portions Covered
I DC	25	Need for interdisciplinary approach - Objectivity and subjectivity in social Science - Limits to objectivity in social science. Economics as a social science –Subject matter and scope of Economics, Importance of the study of economics with other social sciences like history, political science, psychology, law and Sociology.
II DC	25	Monopolistic competition – characteristics - non-price competition and selling costs - short run and long run (group) equilibrium - ideal output and excess capacity – limitations of monopolistic competition - oligopoly – characteristics – Price stickiness - Kinked demand curve – Sweezy model - Non-Collusive oligopoly – Duopoly (concept only) –competition Vs collusion - collusive oligopoly – cartels and price leadership – low-cost, dominant and barometric price leadership models – concept of limit pricing and cost plus pricing
III DC	10	Environmental Pollution Definition Causes, effects and control measures of: - a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards • Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution • Pollution case studies • Disaster management: floods, earthquake, cyclone and landslides. Social Issues and the Environment • Urban problems related to energy • Water conservation, rain water harvesting, watershed management • Resettlement and rehabilitation of people: its problems and concerns, Case studies • Environmental ethics: Issues and possible solutions • Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies • Consumerism and waste products • Environment Protection Act • Air (Prevention and Control of Pollution) Act • Water (Prevention and control of Pollution) Act • Wildlife Protection Act • Forest Conservation Act • Issues involved in enforcement of environmental legislation • Public awareness
III DC	12	State vs Market - public revenue - public expenditure – tax and non-tax revenue – direct and indirect taxes – goods and service tax in India - budget – types - fiscal deficit - revenue deficit - public debt



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Choosing students and department (08/07/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: August 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 15

Details of regular and extra classes engaged: 64

Class	Hours	Topics or Portions Covered
I DC	20	Positive and Normative Economics, Economic theory and Economic laws, Micro and Macro Economics, Role of assumptions in Economics, Method and Methodology - Deductive and inductive methodology, Economic Models Various Concepts: Function, Variable, Equilibrium-Partial and General, Static, Comparative static and Dynamic ; Marginal and Total; Nominal and Real; Value
II DC	20	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages
III DC	10	Environmental Economics – Definition – Scope – Meaning – importance – EnvironmentEconomy interaction (linkages) – material balance model – ecosystem – structure and functions – relation between environment and development – Environment as a necessity and luxury- environmental issues and global concern-Stockholm Conference – Helsinki Convention – Montreal Protocol – Kyoto Protocol – Rio Summit – Paris Convention. Population growth and Environment – market failure – tragedy of commons-sustainable development-policy approach to sustainable development(An overview only)
III DC	10	trade cycle and its phases - fiscal and monetary policies as tools for combating inflation and deflation. Negotiable and non-negotiable instruments – cheques – drafts - bills of exchange – promissory notes- letter of credit - certificate of deposits – commercial papers



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (12/08/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: September 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 75

Class	Hours	Topics or Portions Covered
I DC	25	Mercantilism(Thomas Mun, William Petty) and Physiocracy (Francis Quesnay and Turgot), Basic postulates of Classical and Neo-Classical economic thought (Adam Smith, Ricardo, J.B.Say, Malthus, J.S.Mill, Jeremy Bentham, Alfred Marshall, A.C.Pigou and Walras,) Socialist and Marxist Economic Thought(Saint Simon, Sismondi and Karl Marx, Revised syllabi of UG Programme in Economics w.e.f 2017 admissions Keynesianism(keynes as a critique of classical Economics and Monetarism(Milton Friedman). Contribution of Indian Economicists- Kautilya, Dadabhai Naoroji, Amartya Sen and J.N..Bhagwathi).
II DC	25	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages - wage differentials - effect of labour unions on wages – theories of interest – classical, admissions neo-classical and Keynesian theories of interest – theories of profit- dynamic theory, riskbearing theory – innovation theory of profit
III DC	10	Evaluation of environmental benefits – Contingent Valuation Method – Hedonic approach – travel cost method – preventive expenditure method - surrogate market approach – property value approach and wage differential approach - cost benefit analysis – UNIDO analysis – Little- Mirrlees approach - Environmental Impact Analysis. Pollution control – socially optimum level of pollution – environmental policies and legislations in India
III DC	15	Banking and non-banking institutions - commercial banks — Core Banking, Internet Banking, Mobile Banking, ATM/Debit & Credit Cards,IFSC,NEFT,RTGS–NPA in Indian banking sector RBI – functions - money and capital market – major financial instruments – shares, debentures and bonds – Insurance: meaning, nature and types - stock exchange – BSE, NSE – stock market indices – SEBI - mutual funds. Terms of trade - balance of trade - balance of payments - foreign exchange - exchange rate – spot – forward – fixed – floating - IMF, World Bank – WTO.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (09/09/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: October 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 77

Class	Hours	Topics or Portions Covered
I DC	25	Ecosystems • Concept of an ecosystem • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids. • Introduction, types, characteristic features, structure and function of the given ecosystem:- a. Forest ecosystem
II DC	25	Welfare economics – nature, concepts and scope- problems of measuring social welfare - Edgeworth box diagram – contract curve - criteria of social welfare – role of value judgement- growth of GNP criterion – Bentham’s criterion – Cardinalist criterion - Pareto optimality criterion
III DC	10	Human Rights– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights). Unit-2 Human Rights and United Nations – contributions, main human rights related organs - UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities Unit-3 Human Rights and environmental rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthuriangan report. Over exploitation of ground water resources, marine fisheries, sand mining etc. .
III DC	15	An overview of Planning in India - Planning Commission –NITI Aayog- Finance Commission – Green revolution – changing pattern of India’s industrialisation - Liberalization - Privatization - Globalization (LPG) – Major features of population in India and Kerala - Kerala model of development



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students(01/10/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: November 2020

Name: Dr. Elsamma Joseph

Total Number of Working days:20

Details of regular and extra classes engaged: 75

Class	Hours	Topics or Portions Covered
I DC	25	Definitions of Economics-Problem of scarcity and choice – Central problems of Economy-production possibility frontier - microeconomic policy goals – efficiency and equity.– functions of an economic system -short run and long run analysis, partial and general equilibrium analysis (concepts only) – Marginal concept in micro Economics
II DC	25	Meaning and subject matter of Public Finance – Public and Private Finance – Fiscal Functions-Allocation, distribution and stabilization- Principles of Maximum Social Advantage: Dalton, Musgrave – Public Goods: Pure and Impure Public Goods, Free rider problem. Private Goods, Mixed Goods and Merit Goods, - Market failure and role of government.
III DC	25	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset Management Companies.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (19/11/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: December 2020

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 60

Class	Hours	Topics or Portions Covered
I DC	20	Concepts of demand- Factors affecting demand- Law of demand- exceptions-demand for normal, inferior, substitute and complementary goods- Shifts of demand versus movements along a demand curve – elasticity of demand – Degrees- price elasticity of demand – determinants- methods of estimation – Total outlay, Point, and arc method – income elasticity of demand and cross elasticity of demand
II DC	20	Sources of public revenue -Classification of Taxes - Canons of Taxation, Principles of Taxation-Ability, Benefit and cost of service- Impact, Incidence and shifting of Tax Burden – – Effects of Taxation – Measurement of Deadweight loss -Taxable Capacity- Laffer curve Major Taxes in India and its impact- Value Added Tax in India –Goods and Service Tax (GST-brief history, legislation and impact)- Budget and its role– Classification of budget Concepts :Revenue Account, Capital Account, Fiscal Deficit, Revenue Deficit, Primary Deficit
III DC	20	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset Management Companies.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (14/12/2020)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: January 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 19

Details of regular and extra classes engaged: 65

Class	Hours	Topics or Portions Covered
I DC	22	Concepts of supply- Factors affecting supply-Law of supply- shifts of supply versus movements along a supply curve - elasticity of supply – uses of elasticity – market equilibrium and impact of changes in demand and supply – dynamic demand and supply model: cobweb model — demand forecasting – objectives and methods of demand forecasting - seller's view. Concepts of Total and Marginal utility- Consumer preferences and choice-consumer's equilibrium – cardinal utility and ordinal utility – law of diminishing marginal utility –admissions consumer equilibrium under cardinal utility – derivation of demand curve - law of equimarginal utility – water-diamond paradox – criticisms of cardinal utility approach
II DC	20	Zero Base Budgeting-Budgetary Procedure in India (introduce the recent Central Budget to the students)- Gender Budgeting-Fiscal Policy –Deficit financing . Meaning— Canon's of Public Expenditure-Plan and Non-plan Expenditure-Developmental and Non-developmental expenditure- Wagner's Hypothesis, Peacock - Wiseman Hypothesis, critical limit hypothesis
III DC	22	Static and Dynamic Functions of money, near money, inside money and outside money – monetary aggregates –M1,M2,M3, M4-High powered money and money multiplier. RBI functions- Instruments of Monetary policy



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (06/01/2021)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: February 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 71

Class	Hours	Topics or Portions Covered
I DC	23	indifference curve analysis – characteristics – MRS - budget line – consumer's equilibrium – income effect and Engel curve – price effect, income effect and substitution effect- derivation of demand curve – splitting price effect into income effect and substitution effect: Hicksian and Slutsky's approaches - criticisms of ordinal utility approach – revealed preference theorem – derivation of demand curve – distinction between weak and strong ordering – consumer's surplus – Marshallian and Hicksian approaches. New approaches to consumer theory - Pragmatic approach & Linear Expenditure System (LES) (Concepts only).
II DC	22	Effects of Public Expenditure- Public expenditure in India: Its pattern and growth -Public Debt- Types- debt redemption –burden of public debt – public debt in India
III DC	24	Repo and Reverse Repo –Base rate- Commercial banking in India – Structure-Functions of commercial banks –conflict between profitability and liquidity, credit creation and credit multiplier – Non-Performing Assets Digital Payment System in India – RTGS,NEFT,Prepaid Payments instruments.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (09/02/2021)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: March 2021

Name: Dr. Elsamma Joseph

Total Number of Working Days: 20

Details of regular and extra classes engaged: 79

Class	Hours	Topics or Portions Covered
I DC	23	Production function – total, average & Marginal product- time element in production function – law of variable proportions (modern approach)– isoquants – properties – MRTS - ridgelines and economic regions of production– Isocost lines – optimal input combination – producer’s equilibrium – expansion path – elasticity of factor substitution - laws of returns to scale – economies and diseconomies of scale – empirical production function: Cobb-Douglas production function – properties – cost functions - cost concepts - explicit and implicit costs, economic and accounting costs, sunk cost, opportunity cost ,real cost, social cost- traditional theory of costs - short run and long run analysis of costs – envelope curve – modern theory of cost – short run and long run- L-shaped and saucer-shaped cost curves
II DC	22	Meaning – Principles of Federal Finance- vertical and horizontal equity in fiscal federalism - fiscal federalism in India – Finance commission – Current Finance Commission- Theory of grants – resource transfer from union to states – criteria for transfer of resources – State Finance Commission and Panchayati Raj institutions.
III DC	24	Capital Market –Functions –structure and functions of primary market and secondary market –Methods of Public issue-IPO, FPO- Book building –Major investment groups –Retail Investors-Domestic Institutional Investors and Foreign Portfolio Investors-SEBI-Functions.



Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students(02/03/2021)

Administrative activities:

1. Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: June 2020

Name: Dr. Bipin Babu


Total Number of Working days: 20

Details of regular and extra classes engaged: 40

Class	Hours	Topics or Portions Covered
II DC	17	Growth and Development – meaning – features – distinction – determinants and indicators – features of underdevelopment – measurement of development - income and nonincome indices – GDP, PCI, PQLI, HDI, HPI, GEM – (GDI, GNH) – Development redefined – Development as a total social process – Development as freedom – Development as Liberation – Sen’s capability approach – poverty as capability and Entitlement failure – multidimensional poverty index
III DC	20	Kuznets’s consumption puzzle-Conflict between short-run and long run consumption functions- relative income hypothesis– permanent income hypothesis- life-cycle hypothesis Theory of capital and theory of investment- Present Value Criterion



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department – Economics

Year: 2020-21 Month: July 2020

Name: Dr. Bipin Babu

Total Number of Working days: 22

Details of regular and extra classes engaged: 50

Class	Hours	Topics or Portions Covered
II DC	25	Quality of life – Education – Health and Nutrition – poverty – absolute and relative – inequality of income and wealth – Gini coefficient – Kuznet’s inverted ‘U’- Hypothesis – Development gap, Approaches to Economic Development: Structuralist – dependency - market- friendly approaches (concepts only) – vicious circle of poverty – Stage theories Rostow – low level equilibrium trap – Critical minimum effort thesis
III DC	25	Accelerator theory of Investment- Tobin’s q theory, Money-classical approach –Keynesian liquidity preference theory and interest rate determination-liquidity trap-Keynes effect-supply of money-sources- high-powered moneymoney multiplier- measures of money supply in India. Inflation: types – Demand-pull and cost-push inflation



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: August 2020

Name: Dr. Bipin Babu

Total Number of Working Days: 15

Details of regular and extra classes engaged : 38

Class	Hours	Topics or Portions Covered
II DC	18	Big push – Lewis model – balanced vs unbalanced growth strategy – Dualistic theories. Classical – Marxian – Schumpeterian. Economic Development – role of agriculture – capital – technology
III DC	20	Inflationary and deflationary gap-causes and effects of inflation – control of inflation-types of unemployment- Oakun’s law-inflation and unemployment- the Phillips curve-Stagflation- long run Phillips curve- Natural rate of unemployment



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21

Month: September 2020

Name: Dr. Bipin Babu

Total Number of Working Days: 18

Details of regular and extra classes engaged: 40

Class	Hours	Topics or Portions Covered
II DC	18	choice of technique - Trade and economic development – process of cumulative causation- Human Resource and Development – man power planning – concept of intellectual capital and its size – role of education and health in economic development
III DC	20	Trade cycles- Types and phases- Stabilization policies-Active or passive; monetary policy objectives and targets; Fiscal and Monetary policy in the IS-LM context(closed economy only)-Financial Crises & Regulatory response.



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: October 2020

Name: Dr. Bipin Babu

Total Number of Working Days: 18

Details of regular and extra classes engaged: 42

Class	Hours	Topics or Portions Covered
II DC	18	Education and health as joint investment for development – Gender and development – women in the labour force – missing women population and economic growth – optimum theory of population – theory of demographic transition – ageing and younging of population
III DC	20	Monetarism- Monetarist propositions and the Quantity Theory Restatement New Classical Economics- Rational Expectations(concept)- Lucas' Critique(Policy ineffectiveness proposition) Supply Side Economics- Tax cut policy and the Laffer Curve Analysis New Keynesian School – Nominal Wage Rigidity model (Overview)



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: November 2020

Name: Dr. Bipin Babu

Total Number of Working Days: 20

Details of regular and extra classes engaged : 52

Class	Hours	Topics or Portions Covered
II DC	20	Micro and Macroeconomics-Main issues in Macroeconomics- Macro statics and macro dynamics-circular flow of economic activity in atwo sector economy- National Incomeconcepts and their interrelationships- methods of measurement of national income- value added, income and expenditure methods-social accounting method-estimation of national income in India-Environmental concerns in national accounts- green accounting- Net Economic Welfare
III DC	20	Nature and scope of international economics-differences between internal and international trade -Inter industry trade and intra-industry trade -Terms of trade –types, and factors affecting terms of trade – community indifference curve - Classical theory -Theory of absolute cost advantage, Theory of Comparative cost advantage, reciprocal demand theorem - offer curves - Opportunity cost theorem
III DC	10	The scope and methods of Business Economics – role in managerial decision making – decision making – approaches to managerial decision making theory and firms – basic concepts in economics – scarcity – choice – resource allocation – fundamental concepts and principles : the incremental concept



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: December 2020

Name: Dr. Bipin Babu

Total Number of Working Days: 18

Details of regular and extra classes engaged: 51

Class	Hours	Topics or Portions Covered
II DC	20	Main postulates of classical macroeconomics- Say's Law of Markets – Classical theory of employment and output determination – wage price flexibility and full employment equilibrium-classical theory of interest-quantity theory of money- Cash transactions and Cash balances approaches - -Classical dichotomy and neutrality –Pigou effect- Keynes criticism of classical theory.
III DC	20	Heckscher - Ohlin theory, Leontief's paradox, Factor price equalization theorem, Gains from Trade, static and dynamic gain from trade- Meaning and structure of balance of payments – equilibrium and disequilibrium - measures to correct disequilibrium- monetary and non-monetary measures
III DC	10	the time perspective – the discounting principle – the opportunity cost concept – the equimarginal principle



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month –January 2021

Name: Dr. Bipin Babu


Total Number of Working Days: 18

Details of regular and extra classes engaged: 52

Class	Hours	Topics or Portions Covered
II DC	20	Keynesian Revolution –Main postulates of the general theory- Consumption function Psychological law of consumption- Savings function- graphical, algebraic and numerical illustrations of APC, MPC, APS, MPS
III DC	20	Devaluation, depreciation and Balance of payments- Elasticity approach- Marshall- Learner condition – Jcurveeffect , Functions of foreign exchange markets - Forex Market participants.-Demand and supply of foreign exchange
III DC	10	Demand – types – determinants of demand – Law of demand – changes in demand – elasticity of demand – income – price – cross (with numerical illustration) – Demand determinants of non-durable consumer goods



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: February 2021

Name: Dr. Bipin Babu

Total Number of Working Days: 20

Details of regular and extra classes engaged: 57

Class	Hours	Topics or Portions Covered
II DC	20	-factors determining consumption-investment demand Function-determinants of investment- MEC and MEI and the role of expectations-principle of effective demand . Two sector Keynesian cross model of income determination - Algebraic derivation Under employment equilibrium
III DC	20	Determination of equilibrium exchange rates - Factors influencing exchange rates. Theories of exchange rate determination- The Mint Parity Theory, Purchasing Power Parity theory, balance of payment theory. – Fixed and floating exchange Rate, spot and forward rates, hedging, speculation, arbitrage, futures, options and currency swaps. Exchange rate system in India-managed floating – partial and full convertibility on current and capital accounts.
III DC	15	durable consumer goods – capital goods – demand forecasting – types – methods of demand forecasting – forecasting demand for new products – criteria for a good forecasting method. Production function: Production function with empirical studies – Cobb Douglas production function – Cost concepts and classification – accounting cost and economic cost – actual cost and opportunity cost – explicit cost and implicit or imputed cost – out of pocket cost - book cost – direct and indirect cost – historical cost and replacement cost – short run and long run cost – total cost – average cost – marginal cost – cost estimation – accounting cost method – engineering cost method – objective of the firm: managerial theory of firm- by William J. Baumol.



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: March 2021

Name: Dr. Bipin Babu

Total Number of Working Days: 20

Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Covered
II DC	20	The effects of changes in autonomous investment on income multiplier analysis-static and dynamic multiplier- three sector Keynesian Cross model-The effects of changes in taxes and public expenditure on income-Balanced budget multiplierFour sector Keynesian Cross model-foreign trade multiplier(concept only).Two sector ISLM model of income determination (model only).
III DC	20	Commercial Policy – free trade and protection – tariffs and quotas and their effects – other non-tariff barriers –Economic Integration-meaning, forms and benefits, BRICS – Gold standard – The Bretton Woods System, International Monetary Fund - World Bank. GATT - Uruguay round, WTO.
III DC	15	Pricing methods – cost oriented pricing – competition oriented pricing – practical methods of pricing – peak-load pricing – pricing of a new product – multi product pricing – Dual pricing – administered pricing – transfer pricing – profit – profit theories – risk bearing theory – market imperfection theory – innovation theory – accounting and economic profit – profit planning – Break-even analysis. Capital budgeting – meaning and need demand for capital – methods of investment criteria – payback period method – Average Rate of Return method – Discounted cash flow method – Net Present Value method – Profitability index – Internal Rate of Return method – (with numerical illustration) – cost of capital



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: January 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working Days: 19 days

Details of regular and extra classes engaged: 64

Class	Hours	Topics or Portions Covered
I PG	30	1.1 Definition & Scope of Econometrics, Methodology-Modern Interpretation- Classical—Linear Regression Model-PRF-Linearity-Stochastic Disturbance Term- Significance—SRF-Method of OLS-Derivation of OLS Estimators-Deviation Form, Properties—Assumptions-Guass-Markov Theorem-Goodness of the Fit—R-square— Estimation and Testing of Hypothesis-Standard Error.
I PG	32	1.1. Utility—Cardinal and Ordinal—The Decomposition of Effects—Hicksian and Slutsky (Self-Study) The Slutsky Equation—Ordinary Versus Compensated Demand Functions- Applications to Labour Supply- Indirect Utility Function—Roy's Identity. 1.2. The Pragmatic Approach to Demand Theory—Constant Elasticity Demand Function—The New Approach to Consumer Theory—Attributes Model of Kevin Lancaster 1.3. Dynamic Versions of Demand Function; Nerlove, Houthakker and Taylor—Linear Expenditure System.

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Definition and Scope of Econometrics	Rejo Raju
I PG	Guass-Markov Theorem	Swathi C S
I PG	Pragmatic Approach to Demand Theory	Anju Raj P
I PG	Constant Elasticity Demand Function	Sneha P Saji
I PG	Linear Expenditure System	Arun Thomas
I PG	Undirect Utility Function	Josna Joseph



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: February 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working Days: 20 days

Details of regular and extra classes engaged : 63

Class	Hours	Topics or Portions Covered
IPG	32	<p>2.1 Multiple Regression-Matrix Approach—General k variable Model—Variance Covariance Matrix—OLS Estimators and Gauss-Markov Theorem (Matrix Notation)—Partial Regression Coefficients—Multiple Coefficient of Determination-R Square and Adjusted R Square—Estimation and Testing of Hypothesis-Test of Coefficients and Overall Significance-t-test and F test-p value—Testing the Equality of Two Regression Coefficients—Restricted Least Squares-Testing Linear Equality Restrictions</p> <p>2.2 Regression Through Origin -Scaling and Units of Measurement-Different Functional Forms of Regression Models and Their Applications (Log-Linear, Semi log, Double Log, Reciprocal and Log Reciprocal Models)—Choice of Functional Forms</p> <p>2.3 Qualitative Explanatory Variables—Dummy Variable Regression—ANOVA and ANCOVA Models—Dummy Variable Trap—Interpretation of Regression Results</p>
IPG	32	<p>1.4. Consumer Choices Involving Risk and Uncertainty—St. Petersburg Paradox— Bernoulli Hypothesis—Neumann and Morgenstern Index—Friedman and Savage Hypothesis—Markowitz Hypothesis.</p> <p>1.5. Inter-Temporal Substitution Effect—Choices Involving Time—Time Allocation Model</p> <p>2.1. Returns to Scale - Homogenous and Non-Homogenous Production Functions—A Brief Account of Production Function of a Single Product Firm- Production Function of a Multi-Product Firm—The Production Possibility Curve of the Firm—The Isorevenue Curve of the Multiproduct Firm-Equilibrium of the Multiproduct Firm- Duality in Production.</p> <p>2.2. Empirical Production Functions—Cobb-Douglas Production Function—Constant Elasticity Substitution Production Function—Variable Elasticity of Substitution (VES) Production Function—Translog Production Function—Homothetic Production Function</p>



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Multiple Coefficient of Determination	Allen Antony
I PG	Restricted Least Square	Sneha P Saji
I PG	Scaling and Units of Measurement	Anitta Thomas
I PG	St. Petersburg Paradox	Athulya K R
I PG	Bernoulli Hypothesis	Swathy C S
I PG	Cobb-Douglas Production Function	Allen Antony
I PG	Constant Elasticity Substitution Production Function	Ajo Joseph
I PG	Translog Production Function	Ariya Unnikrishnan



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: March 2021

Name: Ms. Jyothis Maria Franklin

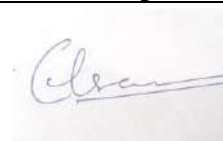
Total Number of Working Days: 22 days

Details of regular and extra classes engaged: 68

Class	Hours	Topics or Portions Covered
I PG	33	3.1 Nature, Consequences, Tests, and Remedial Measures to the Problems of Heteroscedasticity, Auto-correlation and Multicollinearity 3.2 Model Specification and Errors: Consequences— Underfitting and Overfitting— Measurement Errors
I PG	33	2.3. A Summary of Short—Run and Long-Run Cost in Traditional and Modern Microeconomic Theory (Without Illustration) 2.4. The L Shape Scale Curve—Engineering Production Function and Engineering Cost Curves (With Illustration) — Learning Curve—Returns to Scope 3.1. Oligopoly—Price and Output Determination—Collusive and Non-Collusive Oligopoly 3.2. A Brief Account of Collusive Oligopoly (Cartels and Price Leadership) 3.3. Oligopoly with Homogeneous Product—Cournot, Bertrand & Stackelberg Model

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Nature and Consequences of Multicollinearity	Reshma Mariat Babu
I PG	Tests and Remedial measures of Multicollinearity	Arun Thomas
I PG	Nature and Consequences of Autocorrelation	Josna Joseph
I PG	Tests and Remedial measures of Autocorrelation	Ariya Unnikrishnan
I PG	Collusive and Non-Collusive Oligopoly	Meriat Joseph



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: April 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working Days: 19 days

Details of regular and extra classes engaged : 64

Class	Hours	Topics or Portions Covered
I PG	30	4.1 Simultaneous Equation Models—Simultaneous Equation Bias—Inconsistency of OLS Estimators—Identification Problem—Test of Simultaneity and Exogeneity 4.2 Problem of Estimation—Single Equation Methods — OLS—ILS— 2SLS and Systems Methods—2SLS and SURE Model—Lurking Variables
I PG	32	3.4. Oligopoly with Non-Homogeneous Product—Chamberlin's Model—Sweezy's Kinked Demand Curve—The Contestable Market Theory 3.5. Theory of Games-Strategies—Prisoner's Dilemma—Nash Equilibrium—Static and Dynamic Games—Equilibrium with Complete and Incomplete Information Game Theory Applications—Mechanism Designs—Auctions—Revenue Equivalence Theorem.

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Nature and Consequences of Heteroscedasticity	Ajo Joseph
I PG	Tests and Remedial measures of Heteroscedasticity	Merin Prince
I PG	Prisoner's Dilemma	Rejo Raju
I PG	Nash Equilibrium	Reshma Mariat Babu
I PG	Revenue Equivalence Theorem	Anitta Thomas
I PG	A Brief account of Collusive Oligopoly	Merin Prince



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: May 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 66

Class	Hours	Topics or Portions Covered
I PG	32	5.1 Estimation of Distributed Lag Models—Koyck Model and its Rationalisation— Partial Adjustment and Adaptive Expectations Model—Almon Approach 5.2 Estimation of Auto Regressive Models—Instrumental Variables—Method of Instrumental Variables—Problems—SARG Test and Durbin h Statistic—Causality— Granger Causality Test and Sims Test
I PG	32	4.1. Marginal Productivity Theory and Product Exhaustion Problem: Euler's Theorem—Clark-Wicksteed—Walras 4.2. Macro Theories of Distribution: Ricardo—Marx—Kalecki—Kaldor.

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Koyck Model	Anju Raj P
I PG	Partial Adjustment Model	Meriat Joseph
I PG	Instrumental Variables	Athulya K R



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: January 2021

Name: Ms. Priya Mary John

Total Number of Working Days: 19 days

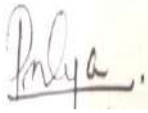
Details of regular and extra classes engaged: 74

Class	Hours	Topics or Portions Covered
IPG	24	<p>1.1. Classical Macroeconomics: Mercantilism—Physiocracy—Laissez Faire- Labour Theory of Value—Classical Labour Market—Employment and Output-Say’s Law— Quantity Theory of Money: Neutrality of Money and Classical Dichotomy—Real Balance Effect—Classical Theory of Interest Rate—Policy Implications of Classical Equilibrium Model.</p> <p>1.2. Keynesian Fixed Price Models: Neo-Classical Synthesis—Keynesian Cross Model (Three Sector Model) And IS-LM Model—IS-LM BP Model-Keynes Effect—Liquidity Trap—Fiscal and Monetary Policies—Crowding Out Effect.</p> <p>1.3. Keynesian Flexible Price Model: AD-AS Framework—Policy Implications- Multiplier—Balanced Budget Multiplier—Built-In-Stabilizers.</p>
IPG	24	<p>1.1 Sets and Sample Space; Permutation and Combination: Random Events; Approaches to Defining Probability: Classical, Axiomatic and Bayesian Approach; Basic Theorems of Probability Theory: Addition, Mutually Exclusive; Conditional and Independence; Bayes Theorem</p> <p>1.2 Discrete Random Variables with Probability Function; Continuous Random Variables with Probability Density Functions (f); Cumulative Distributions (Distribution Function-F)</p> <p>1.3 Mathematical Expectations; Moments (About The Origin, About The Mean); Mean and Variance of Linear Combinations of Random Variables; Moment Generating Function and Characteristic Function—Joint Distribution, Marginal Distributions; Conditional Distribution; Covariance and Independence; Conditional Expectation and Variance</p>
IPG	24	<p>1.1 Matrices: Addition, Subtraction, Scalar Multiplication, Matrix Multiplication, Laws of Matrix Algebra, Transpose, Systems of Equations in Matrix Form, Special Kinds of Matrices, Elementary Row Operations, Row Echelon Form, Rank, Solution of Linear System of Equations Using Gauss (Or Gauss Jordan) Elimination Method, Systems with Unique Solution, Many Solution or No Solution. Linear Systems, Examples of Linear Models-National Income Models, IS-LM Analysis.</p>



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Approaches to defining Probability	Anju Raj P
I PG	Addition Theorem of Probability	Meriat Joseph
I PG	Bayes Theorem	Athulya K R
I PG	Matrix Multiplication	Rejo Raju
I PG	Laws of Matrix Algebra	Sneha P Saji
I PG	National Income Models	Swathy C S
I PG	IS-LM Analysis	Anju Raj P



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: February 2021

Name: Ms. Priya Mary John

Total Number of Working Days: 20 days

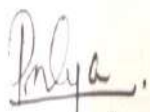
Details of regular and extra classes engaged: 76

Class	Hours	Topics or Portions Covered
I PG	26	1.4. Neo-Keynesian Disequilibrium Models: Walrasian Vs. Keynesian Models— Effective Demand and Notional Demand— Incompatibility of Walras Law— Disequilibrium Models of Robert Clower—Leijonhufvud—Barro-Grossman and Malinvaud. 1.5 Post-Keynesian Economics (PKE): Essential Characteristics of Post Keynesian Economics—Various Strands of PKE—Principles of Effective Demand and Labour Market: Employment and Unemployment—Consumption Theory—Pricing Theory and Distribution of Income—Expectation—Investment Theory Money: Endogenous Supply of Money and Circuit Theory—Minsky's Financial Instability Hypothesis-Path Dependency and Hysteresis-Role of State—Fiscal and Monetary Policy in PKE
I PG	24	2.1 Properties of Commonly Used Discrete and Continuous Distributions: Uniform, Bernoulli, Binomial, Poisson, Normal and Exponential Distributions—Log Normal— Pareto—Cauchy—Folded Normal Distribution—Half Normal Distribution—Gamma Probability Distribution (Including Three-Parameter Gamma)—Beta Distribution— Weibull—Rayleigh—Geometric and Negative Binomial Distributions 2.2 Sampling Distribution: Sampling Distribution of Sample Proportion of Success— Binomial Distribution; Normal as a Limiting Case of Binomial Distribution; Sampling Distribution of Sample Mean; Chebyshev's Theorem—Law of Large Numbers Central Limit Theorem; Distribution of Selected Test Statistics- Z, Chi Square, T, F- Distribution
I PG	24	2.1 Determinants – (Definition, Butterfly Method, Properties, Evaluation of 3rd Order Determinant by Sarrus Shortcut Method or The Basket Weave Method-Evaluating The Nth Order Determinant by Laplace Expansion Method Singular & Non-singular Matrices, Trace of A Matrix, Minor, Co-Factor, Adjoint of Matrices) Inverse of Matrix, Solution of System of Equations Using Cramer's Rule and Inverse Method. Economic Applications of Matrices and Determinants, IS-LM Analysis Via Cramer's Rule, Supply and Demand.



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Chebyshev's Theorem	Ajo Joseph
I PG	Law of Large Numbers Central Limit Theorem	Merin Prince
I PG	Principles of Effective Demand and Labour Market	Rejo Raju
I PG	Endogenous Supply of Money and Circuit Theory	Reshma Mariat Babu
I PG	Fiscal and Monetary Policy in PKE	Anitta Thomas
I PG	Economic Applications of Matrices and Determinants	Arun Thomas
I PG	IS-LM Analysis via Cramer's Rule	Ajo Joseph



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: March 2021

Name: Ms. Priya Mary John

Total Number of Working Days: 22 days

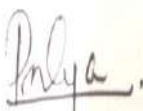
Details of regular and extra classes engaged : 76

Class	Hours	Topics or Portions Covered
IPG	26	2.1. Main Propositions of Monetarism—Friedman's Re-Statement of Quantity Theory of Money—Monetarist Inflation Theory—Adaptive Expectation Hypothesis 2.2. Monetarism and The Philips Curve: Inflation—Phillips Curve—Lipsey's Excess- Demand Model—Samuelson-Solow Modification of the Phillips Curve—Tobin's Views On Phillips Curve—Friedman-Phelps Expectations-Augmented Phillips Curve— Natural Rate of Unemployment Hypothesis— Accelerationist Hypothesis and NAIRU- Policy Implications— BusinessCyclesandMonetaryPolicy
IPG	24	3.1 Estimation: (1) Point Estimation—Properties of Estimators—(I) Small Sample Properties: –Unbiasedness, Efficiency—(ii) Asymptotic Properties: Asymptotic Unbiasedness, Efficiency, Consistency and Sufficiency—Robustness (2) Confidence Interval Estimation 3.2 Methods of Estimation: Method of Moments; Least Square Estimation; Maximum Likelihood Estimation—Crammer-Rao Lower Bound 3.3 Bayesian Estimation—Bayesian Point Estimation—Criteria for Finding the Bayesian Estimate—Bayesian Confidence Interval or Credible Interval—Bayesian Hypothesis Testing
IPG	24	3.1 Vectors - Points and Vectors in Euclidian Space, Algebra of Vectors, Addition Subtraction, Scalar Multiplication of Vectors – Length and Inner Product in R_n , Vector Space R_n , Linear Independence, Spanning Set, Basis and Dimension of R_n , 3.2 Row Space, Column Space, Null Space, Fundamental Theorem of Algebra, Economic Applications of Euclidean Space, Eigen Values and Eigen Vectors Examples, Properties, Symmetric Matrices, Quadratic Forms, Definiteness of Quadratic Forms.



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Methods of Estimation: Method of Moments	Allen Antony
I PG	Least Square Estimation	Sneha P Saji
I PG	Bayesian Estimation	Anitta Thomas
I PG	Friedman's Re-Statement of Quantity Theory of Money	Athulya K R
I PG	Monetarist Inflation Theory	Swathy C S
I PG	Adaptive Expectation Hypothesis	Allen Antony
I PG	Demand Model—Samuelson	Ajo Joseph
I PG	Accelerationist Hypothesis and NAIRU	Ariya Unnikrishnan
I PG	Scalar Multiplication of Vectors	Merin Prince
I PG	Economic Applications of Euclidean Space	Athulya K R



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: April 2021

Name: Ms. Priya Mary John

Total Number of Working Days: 19 days

Details of regular and extra classes engaged : 75

Class	Hours	Topics or Portions Covered
IPG	24	3.1. Main Propositions of NCM: The Lucas Critique—Rational Expectations Hypothesis- Continuous Market Clearing—The Lucas Supply Curve—The Policy Ineffectiveness Proposition 3.2. The New Classical Economics and the Business Cycle 3.3. Monetary Policy in the NCM and the Philips Curve—Credibility and Dynamic Time-Inconsistency. 3.4 Macroeconomic Policy Issues: Rule Versus Discretion—Cold Turkey versus Gradualism—Taylor Rule-Inflation Targeting
IPG	26	3.4 Testing of Hypothesis: Neyman–Pearson Lemma—Design and Evaluation of Tests; Test Criteria; Types of Errors; Significance Level (Size of A Test), Power of A Test; P- Value 3.5 Parametric Tests Testing for Single Proportion; Testing for Equals of Two Proportions; Testing for Equals of More Than Two Proportions; Testing for Single Mean—Testing for Equality of Two Means; Testing for Equality of More Than Two Means(ANOVA); Testing of Single Variance; Testing of Equality of Two Variances; Testing for Independence of Two Variables—Non Parametric Test
IPG	24	4.1 Set Theory—Cartesian Product—Ordered Pair—Relations—Functions -Functions On R_1 , Linear Functions, Sequences of Real Numbers, Limit, Differentiability; Gradient or Slope, Derivatives - First Order and Higher Order -Inverse Functions and Their Derivatives, Maxima and Minima, Mean Value Theorem, Rolle's Theorem and Their Applications, Taylor Approximations, Exponential and Logarithmic Functions— Applications of One Variable Calculus to Economics.



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Testing for Equality of More Than Two Means (ANOVA)	Reshma Mariat Babu
I PG	Testing of Single Variance	Arun Thomas
I PG	Testing of Equality of Two Variances	Josna Joseph
I PG	Testing for Independence of Two Variables	Ariya Unnikrishnan
I PG	Main Propositions of NCM	Meriat Joseph
I PG	Credibility and Dynamic Time-Inconsistency	Merin Prince
I PG	First Order and Higher Order Derivatives	Josna Joseph
I PG	Maxima and Minima	Anitta Thomas
I PG	Mean Value Theorem	Ariya Unnikrishnan

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2020-21 Month: May 2021

Name: Ms. Priya Mary John

Total Number of Working Days: 20 days

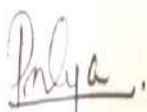
Details of regular and extra classes engaged: 76

Class	Hours	Topics or Portions Covered
I PG	24	4.1. New Keynesian School: Imperfect Competition and Price Setting—Sticky Nominal Wages—Staggered Wage-Contract Theory. 4.2. Sticky Price Model: Menu Costs and Demand Externality. 4.3. Sticky Real Wages: Asymmetric Information Model—Implicit Contract Theory— Insider Outsider Model and Hysteresis. 4.4. Efficiency Wage Theories of Involuntary Unemployment: Shapiro—Stiglitz Model-Turnover Cost-Selective Theory—On the Job Efficiency—Shirking Theory and Coordination Failure—Policy Implications of NKE. 4.5 New Classical New Keynesian Synthesis.
I PG	24	4.1 Principal Steps in Sample Survey; Determination of Sample Size; Probability Sampling: Simple Random Sampling, Stratified Random Sampling, Systematic Sampling, Cluster Sampling; Non Probability Sampling: Quota Sampling, Purposive Sampling, Convenience Sampling, Snow Ball Sampling; Multi Stage Sampling. 4.2 Properties of Random Samples
I PG	26	5.1 Function of Several Variables-Definition, Geometric Representation of Functions, Economic Interpretation, Continuous Functions, Partial Differentiation, Applications, Jacobian Determinants, Composite Function or Chain Rule, Total Derivative, Higher Order Derivatives, Implicit Functions and Their Derivatives, Applications to Economics, Vector and Matrix Differentiation –Application in Econometrics



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Principal Steps in Sample Survey	Rejo Raju
I PG	Properties of Random Samples	Swathi C S
I PG	Sticky Price Model	Anju Raj P
I PG	Insider Outsider Model and Hysteresis	Sneha P Saji
I PG	Shirking Theory and Coordination Failure	Arun Thomas
I PG	Policy Implications of NKE	Josna Joseph
I PG	Applications of Partial Differentiation	Allen Antony
I PG	Applications of Implicit Functions to Economics	Meriat Joseph
I PG	Matrix Differentiation	Reshma Mariat Babu



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: June 2021

Name: Dr. Elsamma Joseph

Total Number of Working days:20

Details of regular and extra classes engaged: 53

Class	Hours	Topics or Portions Covered
I DC	10	Science-Different branches of science-Evolution of a scientific approach Social science Disciplines
II DC	17	Meaning of market- Market structure- Perfect Competition – characteristics - short run and long run equilibrium of a firm and industry – role of time element in the determination of value - derivation of supply curve – shut down point – producer’s surplus – imperfect markets –Monopoly – sources - features – short run and long run equilibrium - discriminating monopoly- price and output determination under discriminating monopoly - degrees and types of price discrimination – dumping – Monopsony- Bilateral monopoly – social costs of monopoly power – regulation of monopoly
III DC	10	Multidisciplinary nature of environmental studies Definition, scope and importance . Need for public awareness. Natural Resources : Renewable and non-renewable resources : Natural resources and associated problems. a) Forest resources b) Water resources. c) Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. f) Land resources
III DC	12	Economics – micro and macro – deduction and induction – basic economic problemsproduction possibility curve. Utility - total and marginal. Law of Demand – elasticity of demand - price elasticity - types. Law of supply. National income – meaning - components of national income

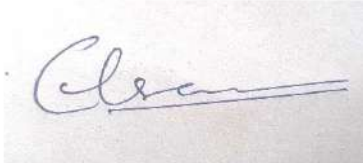


Departmental/ Extracurricular/ Student support activities

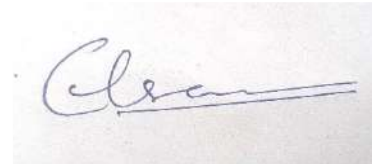
1. Mentoring: III DC Economics Students

2. WWS: Meeting with each Department(8/6/2021)

Administrative activities:Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: July 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 22

Details of regular and extra classes engaged: 74

Class	Hours	Topics or Portions Covered
I DC	25	Need for interdisciplinary approach - Objectivity and subjectivity in social Science - Limits to objectivity in social science. Economics as a social science –Subject matter and scope of Economics, Importance of the study of economics with other social sciences like history, political science, psychology, law and Sociology.
II DC	25	Monopolistic competition – characteristics - non-price competition and selling costs - short run and long run (group) equilibrium - ideal output and excess capacity – limitations of monopolistic competition - oligopoly – characteristics – Price stickiness - Kinked demand curve – Sweezy model - Non-Collusive oligopoly – Duopoly (concept only) –competition Vs collusion - collusive oligopoly – cartels and price leadership – low-cost, dominant and barometric price leadership models – concept of limit pricing and cost plus pricing
III DC	10	Environmental Pollution Definition Causes, effects and control measures of: - a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards • Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution • Pollution case studies • Disaster management: floods, earthquake, cyclone and landslides. Social Issues and the Environment • Urban problems related to energy • Water conservation, rain water harvesting, watershed management • Resettlement and rehabilitation of people: its problems and concerns, Case studies • Environmental ethics: Issues and possible solutions • Climate change, global warming, acid rain, ozone layer depletion , nuclear accidents and holocaust, Case studies • Consumerism and waste products • Environment Protection Act • Air (Prevention and Control of Pollution) Act • Water (Prevention and control of Pollution) Act • Wildlife Protection Act • Forest Conservation Act • Issues involved in enforcement of environmental legislation • Public awareness
III DC	12	State vs Market - public revenue - public expenditure – tax and non-tax revenue – direct and indirect taxes – goods and service tax in India - budget – types - fiscal deficit - revenue deficit - public debt

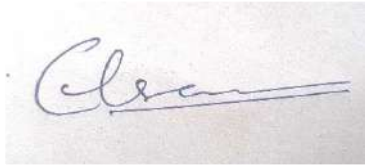


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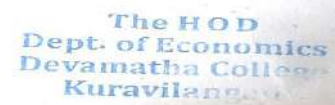
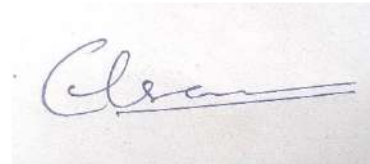
1. Mentoring: III DC Economics Students

2. WWS: Choosing Students and department (13/7/2021)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: August 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 15

Details of regular and extra classes engaged: 63

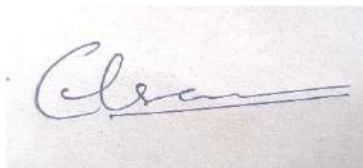
Class	Hours	Topics or Portions Covered
I DC	20	Positive and Normative Economics, Economic theory and Economic laws, Micro and Macro Economics, Role of assumptions in Economics, Method and Methodology - Deductive and inductive methodology, Economic Models Various Concepts: Function, Variable, Equilibrium-Partial and General, Static, Comparative static and Dynamic ; Marginal and Total; Nominal and Real; Value
II DC	20	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages
III DC	10	Environmental Economics – Definition – Scope – Meaning – importance – EnvironmentEconomy interaction (linkages) – material balance model – ecosystem – structure and functions – relation between environment and development – Environment as a necessity and luxury-environmental issues and global concern-Stockholm Conference – Helsinki Convention – Montreal Protocol – Kyoto Protocol – Rio Summit – Paris Convention. Population growth and Environment – market failure – tragedy of commons-sustainable development-policy approach to sustainable development(An overview only)
III DC	10	trade cycle and its phases - fiscal and monetary policies as tools for combating inflation and deflation. Negotiable and non-negotiable instruments – cheques – drafts - bills of exchange – promissory notes-letter of credit - certificate of deposits – commercial papers

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with Students (10/8/2021)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: September 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 69

Class	Hours	Topics or Portions Covered
I DC	25	Mercantilism(Thomas Mun, William Petty) and Physiocracy (Francis Quesnay and Turgot), Basic postulates of Classical and Neo-Classical economic thought (Adam Smith, Ricardo, J.B.Say, Malthus, J.S.Mill, Jeremy Bentham, Alfred Marshall, A.C.Pigou and Walras,) Socialist and Marxist Economic Thought(Saint Simon, Sismondi and Karl Marx, Revised syllabi of UG Programme in Economics w.e.f 2017 admissions Keynesianism(keynes as a critique of classical Economics and Monetarism(Milton Friedman). Contribution of Indian Economicists-Kautilya, DadabhaiNaoroji, Amartya Sen and J.N..Bhagwathi).
II DC	25	Functional versus personal distribution - concepts of total physical product (TPP), average physical product (APP) and marginal physical product (MPP) - Marginal productivity theory of distribution – factor price determination under perfect competition and imperfect competition – Ricardian and modern theories of rent - quasi-rent – money and real wages - wage differentials - effect of labour unions on wages – theories of interest – classical, admissions neo-classical and Keynesian theories of interest – theories of profit- dynamic theory, riskbearing theory – innovation theory of profit
III DC	10	Evaluation of environmental benefits – Contingent Valuation Method – Hedonic approach – travel cost method – preventive expenditure method - surrogate market approach – property value approach and wage differential approach - cost benefit analysis – UNIDO analysis –Little-Mirrlees approach - Environmental Impact Analysis. Pollution control – socially optimum level of pollution – environmental policies and legislations in India
III DC	15	Banking and non-banking institutions - commercial banks — Core Banking, Internet Banking, Mobile Banking, ATM/Debit & Credit Cards,IFSC,NEFT,RTGS–NPA in Indian banking sector RBI – functions - money and capital market – major financial instruments – shares, debentures and bonds – Insurance: meaning, nature and types - stock exchange – BSE, NSE – stock market indices – SEBI - mutual funds. Terms of trade - balance of trade - balance of payments - foreign exchange - exchange rate – spot – forward – fixed – floating - IMF, World Bank – WTO.

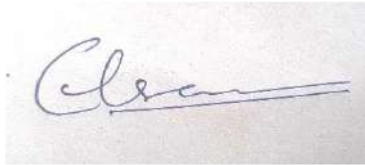


Departmental/ Extracurricular/ Student support activities

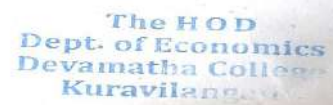
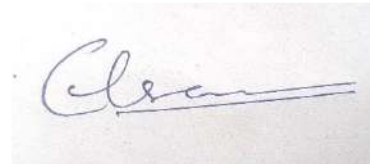
1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (16/9/2021)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: October 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 71

Class	Hours	Topics or Portions Covered
I DC	25	Ecosystems • Concept of an ecosystem • Structure and function of an ecosystem • Producers, consumers and decomposers • Energy flow in the ecosystem • Ecological succession • Food chains, food webs and ecological pyramids. • Introduction, types, characteristic features, structure and function of the given ecosystem:- a. Forest ecosystem
II DC	25	Welfare economics – nature, concepts and scope- problems of measuring social welfare - Edgeworth box diagram – contract curve - criteria of social welfare – role of value judgement- growth of GNP criterion – Bentham’s criterion – Cardinalist criterion - Pareto optimality criterion
III DC	10	Human Rights– An Introduction to Human Rights, Meaning, concept and development, Three Generations of Human Rights (Civil and Political Rights; Economic, Social and Cultural Rights). Unit-2 Human Rights and United Nations – UNESCO, UNICEF, WHO, ILO, Declarations for women and children, Universal Declaration of Human Rights. Human Rights in India – Fundamental rights and Indian Constitution, Rights for children and women, Scheduled Castes, Scheduled Tribes, Other Backward Castes and Minorities Unit-3 Human Rights and environmental rights - Right to Clean Environment and Public Safety: Issues of Industrial Pollution, Prevention, Rehabilitation and Safety Aspect of New Technologies such as Chemical and Nuclear Technologies, Issues of Waste Disposal, Protection of Environment Conservation of natural resources and human rights: Reports, Case studies and policy formulation. Conservation issues of western ghats- mention Gadgil committee report, Kasthuriengan report. Over exploitation of ground water resources, marine fisheries, and mining etc. .
III DC	15	An overview of Planning in India - Planning Commission –NITI Aayog- Finance Commission – Green revolution – changing pattern of India’s industrialisation - Liberalization - Privatization - Globalization (LPG) – Major features of population in India and Kerala - Kerala model of development

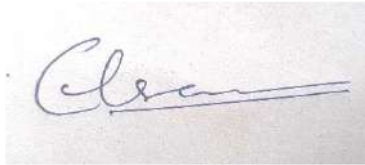


Departmental/ Extracurricular/ Student support activities

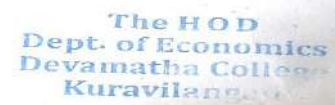
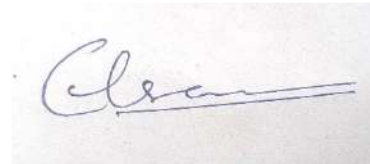
1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with Students (5/10/2021)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: November 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 78

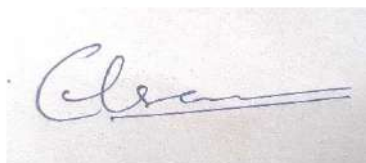
Class	Hours	Topics or Portions Covered
I DC	25	Definitions of Economics-Problem of scarcity and choice – Central problems of Economy-production possibility frontier - microeconomic policy goals – efficiency and equity.– functions of an economic system - short run and long run analysis, partial and general equilibrium analysis (concepts only) – Marginal concept in micro Economics
II DC	25	Meaning and subject matter of Public Finance – Public and Private Finance – Fiscal Functions-Allocation, distribution and stabilization-Principles of Maximum Social Advantage: Dalton, Musgrave – Public Goods: Pure and Impure Public Goods, Free rider problem. Private Goods, Mixed Goods and Merit Goods, -Market failure and role of government.
III DC	25	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset Management Companies.

Departmental/ Extracurricular/ Student support activities

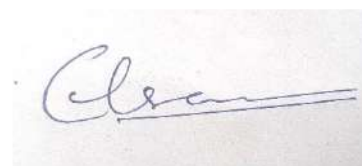
1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with Students (10/11/2021)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: December 2021

Name: Dr. Elsamma Joseph

Total Number of Working days: 18

Details of regular and extra classes engaged: 60

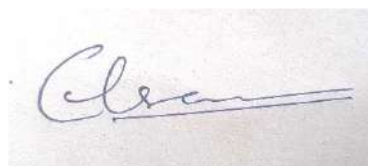
Class	Hours	Topics or Portions Covered
I DC	20	Concepts of demand- Factors affecting demand- Law of demand- exceptions-demand for normal, inferior, substitute and complementary goods- Shifts of demand versus movements along a demand curve – elasticity of demand – Degrees- price elasticity of demand – determinants- methods of estimation – Total outlay, Point, and arc method – income elasticity of demand and cross elasticity of demand
II DC	20	Sources of public revenue -Classification of Taxes - Canons of Taxation, Principles of Taxation-Ability, Benefit and cost of service- Impact, Incidence and shifting of Tax Burden – – Effects of Taxation – Measurement of Deadweight loss -Taxable Capacity- Laffer curveMajor Taxes in India and its impact- Value Added Tax in India –Goods and Service Tax (GST-brief history, legislation and impact)- Budget and its role– Classification of budget Concepts :Revenue Account, Capital Account, Fiscal Deficit, Revenue Deficit, Primary Deficit
III DC	20	Structure of Indian Financial System–Banks and NBFIs –Insurance Companies, Pension funds, Mutual Funds, Asset ManagementCompanies.

Departmental/ Extracurricular/ Student support activities

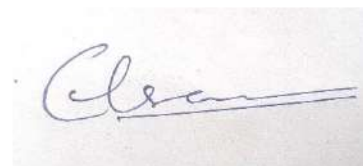
1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (16/12/2021)

Administrative activities: Department level admission officer CAP

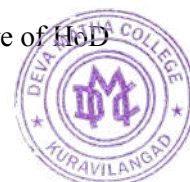


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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: January 2022

Name: Dr. Elsamma Joseph

Total Number of Working days: 19

Details of regular and extra classes engaged: 68

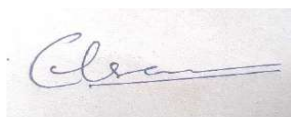
Class	Hours	Topics or Portions Covered
I DC	22	Concepts of supply- Factors affecting supply-Law of supply- shifts of supply versus movements along a supply curve - elasticity of supply – uses of elasticity – market equilibrium and impact of changes in demand and supply – dynamic demand and supply model: cobweb model – demand forecasting – objectives and methods of demand forecasting - seller's view. Concepts of Total and Marginal utility- Consumer preferences and choice-consumer's equilibrium – cardinal utility and ordinal utility – law of diminishing marginal utility –admissions consumer equilibrium under cardinal utility – derivation of demand curve - law of equimarginal utility – water-diamond paradox – criticisms of cardinal utility approach
II DC	20	Zero Base Budgeting-Budgetary Procedure in India (introduce the recent Central Budget to the students)- Gender Budgeting-Fiscal Policy –Deficit financing . Meaning— Canon's of Public Expenditure-Plan and Non-plan Expenditure-Developmental and Non-developmental expenditure-Wagner's Hypothesis, Peacock - Wiseman Hypothesis, critical limit hypothesis
III DC	22	Static and Dynamic Functions of money, near money, inside money and outside money – monetary aggregates –M1,M2,M3, M4-High powered money and money multiplier. RBI functions- Instruments of Monetary policy

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (12/1/2022)

Administrative activities: Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: February 2022

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 73

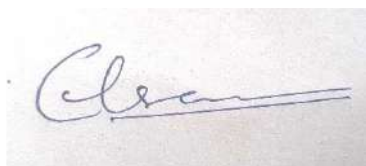
Class	Hours	Topics or Portions Covered
I DC	23	indifference curve analysis – characteristics – MRS - budget line – consumer's equilibrium – income effect and Engel curve – price effect, income effect and substitution effect- derivation of demand curve – splitting price effect into income effect and substitution effect: Hicksian and Slutsky's approaches - criticisms of ordinal utility approach – revealed preference theorem – derivation of demand curve – distinction between weak and strong ordering – consumer's surplus – Marshallian and Hicksian approaches. New approaches to consumer theory - Pragmatic approach & Linear Expenditure System (LES) (Concepts only).
II DC	22	Effects of Public Expenditure- Public expenditure in India: Its pattern and growth -Public Debt- Types- debt redemption –burden of public debt – public debt in India
III DC	24	Repo and Reverse Repo –Base rate- Commercial banking in India – Structure-Functions of commercial banks –conflict between profitability and liquidity, credit creation and credit multiplier – Non-Performing Assets Digital Payment System in India – RTGS, NEFT, Prepaid Payments instruments.

Departmental/ Extracurricular/ Student support activities

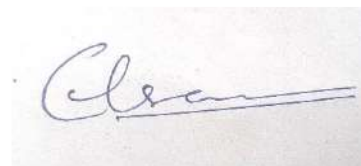
1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (8/2/2022)

Administrative activities: Department level admission officer CAP

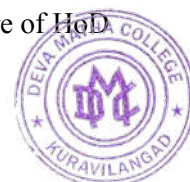


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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: March 2022

Name: Dr. Elsamma Joseph

Total Number of Working days: 20

Details of regular and extra classes engaged: 72

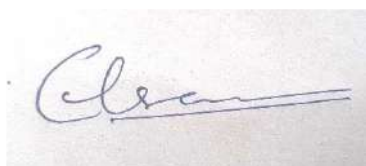
Class	Hours	Topics or Portions Covered
I DC	23	Production function – total, average & Marginal product- time element in production function – law of variable proportions (modern approach)– isoquants – properties – MRTS - ridgelines and economic regions of production– Isocost lines – optimal input combination – producer's equilibrium – expansion path – elasticity of factor substitution - laws of returns to scale – economies and diseconomies of scale – empirical production function: Cobb-Douglas production function – properties – cost functions - cost concepts - explicit and implicit costs, economic and accounting costs, sunk cost, opportunity cost ,real cost, social cost-traditional theory of costs - short run and long run analysis of costs – envelope curve – modern theory of cost – short run and long run- L-shaped and saucer-shaped cost curves
II DC	22	Meaning – Principles of Federal Finance- vertical and horizontal equity in fiscal federalism - fiscal federalism in India – Finance commission – Current Finance Commission- Theory of grants – resource transfer from union to states – criteria for transfer of resources – State Finance Commission and Panchayati Raj institutions.
III DC	24	Capital Market –Functions –structure and functions of primary market and secondary market –Methods of Public issue-IPO, FPO- Book building –Major investment groups –Retail Investors-Domestic Institutional Investors and Foreign PortfolioInvestors-SEBI-Functions.

Departmental/ Extracurricular/ Student support activities

1. Tutorials/Mentoring: III DC Economics Students

2. WWS: Meeting with students (1/3/2022)

Administrative activities:Department level admission officer CAP



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: June 2021

Name: Jinu Joseph

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 66

Class	Hours	Topics or Portions Covered
I UG	18	Quantitative Methods Matrix Algebra: Definition of matrix- types of matrices- operation on matrices- determinants- properties
II UG	20	Introduction to Economics of Growth and Development Growth and Development – meaning – features – distinction – determinants and indicators – features of underdevelopment – measurement of development - income and non-income indices – GDP, PCI, PQLI, HDI, HPI, GEM – (GDI, GNH)
III UG	22	Classical Linear Regression Model – Meaning and methodology – Modern interpretation of econometrics – Population regression function (PRF) – The concept of linearity in econometrics – stochastic – interpretation and its significance – Sample regression function (SRF) Macroeconomics II- Theories of Consumption and Investment Kuznets' consumption puzzle- Conflict between short-run and long-run consumption functions- relative income hypothesis

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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: July 2021

Name: Jinu Joseph

Total Number of Working days: 18 days

Details of regular and extra classes engaged: 61

Class	Hours	Topics or Portions Covered
I UG	16	cramer's rule-rank of matrix-Variables, constants, parameters, simple functional relationship and their graphs, solutions to simultaneous equations, quadratic equations.
II UG	18	Development redefined-Development as a total social process- Development as freedom-Development as Liberation- Sen's capability approach-poverty as capability and Entitlement failure-
III UG	20	Estimation of PRF—The method of OLS—Advantages of OLS— Numerical Properties of OLS estimators—Statistical properties of OLS— Gauss- Markov Theorem and the assumptions of Classical Linear Regression Model Macroeconomics II permanent income hypothesis- life-cycle hypothesis Theory of capital and theory of investment- Present Value Criterion- Accelerator theory of Investment-Tobin's q theory

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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: August 2021

Name: Jinu Joseph

Total Number of Working days: 10 days

Details of regular and extra classes engaged: 41

Clas s	Hour s	Topics or Portions Covered
I UG	10	DifferentialandIntegralcalculus RulesofDifferentiation,Higherorderderivatives,ApplicationsofderivativesinEcono mics-
II UG	10	multidimensionalpovertyindex–Qualityoflife–Education–HealthandNutrition– poverty–absoluteandrelative–inequalityofincomeandwealth–Ginicoefficient– Kuznet’sinverted‘U’-Hypothesis–Developmentgap
III UG	12	EvaluationofSRF—GoodnessoftheFit—RSquare— ReliabilityandPrecisionofOLSEstimators— StandardErroroftheOLSEstimatorandtheEstimate Macroeconomics II - Money,InflationandUnemployment Money-classicalapproach– Keynesianliquiditypreferencetheoryandinterestratedetermination-liquiditytrap- Keyneseffect-supplyofmoney-sources-high-poweredmoney-money multiplier- measures of money supply in India.

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: September 2021

Name: Jinu Joseph

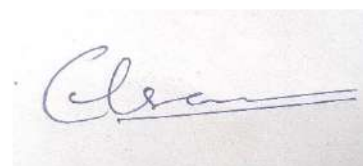
Total Number of Working days: 17 days

Details of regular and extra classes engaged: 44

Class	Hours	Topics or Portions Covered
I UG	14	Maxima and minima of functions - Elementary ideas of integral calculus.
II UG	15	Approaches to Economic Development: Structuralist – dependency - market- friendly approaches (concepts only) – vicious circle of poverty – Stage theories Rostow – low level equilibrium trap –
III UG	15	Hypothesis testing and estimation—Hypothesis testing of OLS estimators—t test—Point and interval estimation (Basics)— Introduction to Multiple Regression Macroeconomics II - Inflation: types – Demand-pull and cost-push inflation – inflationary and deflationary gap – causes and effects of inflation – control of inflation – types of unemployment – Okun's law - inflation and unemployment



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: October 2021

Name: Jinu Joseph

Total Number of Working days: 11 days

Details of regular and extra classes engaged: 38

Class	Hours	Topics or Portions Covered
I UG	10	Input-output analysis – static and dynamic model – technical viability – Hawkins-Simon’s conditions – open and closed model – model – technical viability – Hawkins-Simon’s conditions.
II UG	10	Critical minimum effort thesis – Big push – Lewis model – balanced vs unbalanced growth strategy – Dualistic theories.
III UG	12	Relaxing the assumptions of Classical Linear Regression Model Heteroscedasticity – nature, estimation in its presence – detection and remedial measures Macroeconomics II - the Phillips curve - Stagflation - long run Phillips curve - Natural rate of unemployment

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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: December 2021

Name: Jinu Joseph

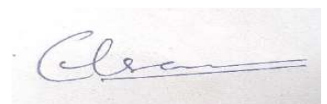
Total Number of Working days: 14 days

Details of regular and extra classes engaged: 48

Classes	Hours	Topics or Portions Covered
I UG	10	(semester I) Quantitative Methods Matrix Algebra: Definition of matrix- types of matrices- operation on matrices- determinants- properties- duality- application and limitation of linear programming. (semester II) Theory of Consumer Behavior and Firms The nature of utility function – indifference curve – maximisation of utility
II UG	10	social accounting method- estimation of national income in India- Environmental concerns in national accounts-
III UG	10	Indian economy - Economic Development Strategies since Independence Mixed Economic Framework - Key and Strategic Role of PSUs – Economic Crisis of 1990 – Macro Economic Reforms Implemented Since 1991- Structural Adjustment Programmes- Globalisation, Liberalisation and Privatisation –
II PG	15	Indian Economy in Pre Independence Period Ancient India, Medieval India & Colonial India—Role of Railways—Drain Theory— Deindustrialisation—Bengal Famine and Bombay Plan Indian economic growth, Distribution, Growth Debates & Structural Change: Comparative Historical Perspective—Planning for Economic Development: Changing Contours of State and Market in India Rationale and evolution of Economic Reforms Economic Reforms Since 1991—Thirty Years of Economic Reforms. Classical theory- Theory of absolute cost advantage, Theory of Comparative cost advantage, reciprocal demand theorem -offer curves- Opportunity cost theorem, Heckscher - Ohlin theory, Leontief's paradox, Factor price equalization theorem, Gains from Trade, static and dynamic gain from trade-



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: January 2022

Name: Jinu Joseph

Total Number of Working days: 13 days

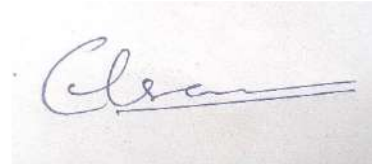
Details of regular and extra classes engaged: 40

Class	Hours	Topics or Portions Covered
I UG	10	-Demandfunction- Demandcurve-elasticity,typesandmeasurements-Slutskyequation. Production functions and product curves - isoquants - elasticity of substitution – Cobb-Douglas,CES productionfunction- optimumcombination of inputs-.Cost function - longrunandshortrun
II UG	10	greenaccounting-NetEconomicWelfare ClassicalMacroeconomics Mainpostulatesofclassicalmacroeconomics-Say’sLawofMarkets – Classicaltheory ofemploymentandoutputdetermination
III UG	10	Indian economy- PerformanceofIndianEconomy beforeandafterEconomicReforms- ExternalSectorReformssince1991-TradeandCurrencyReforms,- foreigncapital-FDI,portfolioinvestmentsandMNCs DemographicFeatures- Population–size, structure (sex and age) – characteristics – population change – rural– urbanmigrations,occupationaldistribution,problemssoverpopulation,
II PG	10	Agriculture sector in India Production and Productivity Trends—Agricultural Finance— Leading Issues in Agricultural Marketing—MSP—Agriculture and Technology—WTO’s AoA and Indian Agriculture—Dimensions of the Agrarian Crisis—Farm Sector ReformsIndustrial Sector Industrial Growth and Stagnation, Public Sector and Technology— Role of The Industrial Sector in India's Structural Transformation. Recent Policy Initiatives: Make in India, Start-up Policy, Industrial Corridor Project and Other Initiatives— Implications of Insolvency and Bankruptcy Code—MSMEs. Leading development issues: Reforms and Policy Responses— Poverty, Inequality and Unemployment—Recent Debates On Poverty and Inequality During Reforms—Demography and Development—Demographic Dividend—India's Demographic Profile—Inclusive Growth Meaning and structure of balance of payments – equilibrium and disequilibrium - measures tocorrect disequilibrium- monetary and non-monetary measures-





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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: February 2022

Name: Jinu Joseph

Total Number of Working days: 20 days

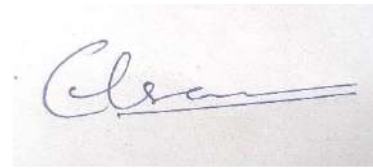
Details of regular and extra classes engaged: 63

Classes	Hours	Topics or Portions Covered
I UG	15	Market Structures Demand and Supply functions under perfect competition - Goods market and Factor market Equilibrium: Perfect competition, Monopoly, price discrimination, monopolistic competition.
II UG	10	–wage price flexibility and full employment equilibrium - classical theory of interest- quantity theory of money
III UG	17	population dividend, population policy, Gender inequality, women empowerment. Agriculture, Industry and Service Sector Role of Agriculture in Indian Economy - Land Reforms - New Agricultural Strategy - Green Revolution — Need for Second Green Revolution - Agricultural Growth and Performance - New Agricultural Policy — Changes in Land use and Cropping Pattern - Agricultural Finance and Issues - Agriculture during Economic Reform Period - WTO and Indian Agriculture. Industrial growth during pre-reform and post-reform period - Industrial Policy Resolution of 1956 and 1991 - Role of Micro, Small and Medium Scale Industries (MSMEs) in Indian Economy - Its problems and remedies - Role and Performance of Services sector in Indian Economy Introduction to International Economics and Trade Theories Nature and scope of international economics - differences between internal and international trade - Inter-industry trade and intra-industry trade - Terms of trade - types, and factors affecting terms of trade - community indifference curve -
II PG	18	Evolution of Trade Policy in India—External Sector Reforms: Trade Policy Reforms Including EXIM Policy and SEZ—Capital Account Convertibility Reforms: Policies On FDI, FPI, ECBs and RDBs. 2.2 Changing Composition and Direction of India’s Foreign Trade—Balance of Payment Developments—India and the WTO—India and the IMF. Devaluation, depreciation and Balance of payments - Elasticity approach - Marshall- Lerner condition - J curve effect Functions of foreign exchange markets - Forex Market participants - Demand and supply of foreign exchange, Determination of equilibrium exchange rates - Factors influencing exchange rates. Theories of exchange rate determination - The Mint Parity Theory, Purchasing Power Parity theory, balance of payment theory. - Fixed and floating exchange Rate, spot and forward rates, hedging, speculation, arbitrage, futures, options and currency swaps. Exchange rate system in India - managed floating – partial and full convertibility on current and capital accounts.






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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: March 2022

Name: Jinu Joseph

Total Number of Working days: 16 days

Details of regular and extra classes engaged: 49

Classes	Hours	Topics or Portions Covered
I UG	10	Game Theory Concept-Two-person zero sum game-Maximin and Minimax strategy-Saddle point-Mixed strategies-Prisoner's dilemma-Payoff matrix of a game-two-person-two-commodity-and zero-sum-game
II UG	10	Cash transactions and Cash balances approaches-- Classical dichotomy and neutrality-Pigou effect- Keynes criticism of classical theory.
III UG	15	Economic Planning and Development Issues Meaning and rationale of Planning- Basic Strategies, Objectives and Achievements of Planning in India-Strategies of 12th Plan, Inclusive Development-NITI Aayog - Trends in India's National Income-Magnitude of poverty and inequality in India-unemployment, black money and corruption-rising prices-energy crisis-Micro finance and its significance-importance of infrastructure in India's economic development. Kerala Economy Features, Kerala model of development - Structural change and economic growth in Kerala-Land reforms-current issues in agriculture-food crisis-changes in cropping pattern-agricultural indebtedness-unemployment-IT sector in Kerala-fiscal crisis in Kerala, Gulf migration, energy policy and energy crisis, decentralized planning in Kerala.
II PG	10	RBI and Its Functions – Monetary Policy – Inflation Targeting – New Liquidity Framework - Monetary Transmission and External Benchmark Based Lending Rate.RBI's Balance Sheet and Economic Capital Framework.Financial Sector Reforms – Changing Structure of the Banking System in India –Twin Balance Sheet Problem – Asset Quality Problems (NPA) – Measures to Improve the Asset Quality of Financial Institutions.Basel Capital Standard-Financial Inclusion: Strategies and Progress. - NBFCs– Issues, Role and Developments- Digital Payment Systems in India Fiscal Situation in India - Understanding Government Budget – Concepts and Issues - Fiscal Reforms - Tax Reforms: Direct and Indirect Tax Reforms



		<p>Goods and Service Tax Regime, Expenditure Reforms Including Subsidy Reforms.</p> <p>Fiscal Consolidation – FRBM – Problems of Sound Finance and Fiscal Austerity-Public Debt and Debt Sustainability for the Centre and States - Fiscal Federalism -</p> <p>Federal Finance and Centre State Financial Relationship in India - Vertical and Horizontal Imbalance - Sub-National Fiscal Reforms in India - Finance Commission—State Finance Commission.</p> <p>Commercial Policy – free trade and protection – tariffs and quotas and their effects – other non-tariff barriers – Economic Integration - meaning, forms and benefits, BRICS – Gold standard – The Bretton Woods System, International Monetary Fund - World Bank. GATT - Uruguay round, WTO.</p>
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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021- 22 Month: June 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 22 days

Details of regular and extra classes engaged: 49

Class	Hours	Topics or Portions Covered
I PG	30	1.1. A Critique of the Neo Classical Theory of the Firm—The Marginalist Controversy; Hall and Hitch Report and Full Cost Pricing—Gordon’s Attack On Marginalism 1.2. Team Production Approach by Armenalchian and Harold Demsetz 1.3. Hierarchical Structures- U Form and M Form 1.4. Theory of Limit Pricing: Bain—Sylos-Labini—Modigliani, Bhagwati and Pashigian 1.5. Managerial Theories: W J Baumol—O Williamson—Marris 1.6. Behavioural Theories: March and Cyert—Baumol
I PG	15	Time Series Decomposition into Trend, Cyclical, Seasonal, Irregular Components— The Hodrick–Prescott filter—Band-pass filter—The Structural Time Series Approach—State Space Models and the Kalman filter—Trend-Cycle Decomposition of Unit Root Processes—Beveridge–Nelson Decomposition—Watson Decomposition— Seasonal Index Calculation. Smoothing Techniques

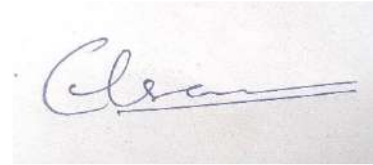
Student Seminars conducted

Class	Topic	Details of the Student
I PG	Marginalist Controversy	Rejo Raju
I PG	Hall and Hitch Report and Full Cost Pricing	Sneha P Saji
I PG	Hierarchical Structure- U Form	Josna Joseph
I PG	Hierarchical Structure – M Form	Anitta Thomas
I PG	Time Series Decomposition	Anju Raj P
I PG	The Hodrick- Prescott filter	Reshma Mariat Babu





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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021- 22 Month: July 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 21 days

Details of regular and extra classes engaged: 42

Class	Hours	Topics or Portions Covered
I PG	15	2.1. Causes of Market Failure- Externality—Public Goods and Imperfections—Pricing of Public Utility and Regulation. 2.2 Voting - Introduction—Stability—Impossibility—Majority Rule—May’s Theorem—Condorcet Winner—Median Voter Theorems—Multidimensional Voting-Agenda Manipulation—Alternatives to Majority Rule—The Paradox of Voting—The “Alabama” Paradox.
I PG	15	Stochastic Process—Ergodicity and Stationarity—White Noise Processes—Non Stationarity and Random Walk Models—Deterministic and Stochastic Trends / Trend and Difference Stationary Processes—Integrated Stochastic Process— Martingale Process—Martingale Difference Process

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Causes of Market Failure	Swathy C SS
I PG	Public Goods and Imperfections	Merin Prince
I PG	Non-Stationarity and Random Walk Models	Rejo Raju
I PG	Stochastic Process	Allen Antony
I PG	Integrated Stochastic Processes	Ariya Unnikrishnan



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021- 22 Month: August 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 15 days

Details of regular and extra classes engaged: 35

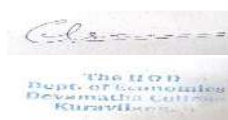
Class	Hours	Topics or Portions Covered
I PG	13	3.1. Asymmetric Information, Moral Hazard and Adverse Selection—Problem of First Best, Second or Third Best—Principal Agent Model—Moral Hazard in Owner Manager Relationship—Moral Hazard in Insurance Market—Efficiency Wage Model—Adverse Selection—Market for Lemons—Insurance Market—Rural Credit Market—Market Signalling.
I PG	15	Non Stationary Time Series and the Problem of Spurious Regression—Solutions— Transforming the Non Stationary Time Series—Tests of Stationarity — Correlogram (ACF, PACF), and Unit Root Test— The Variance Ratio— Dicky-Fuller and Augmented Dicky-Fuller test—Non-parametric PP test— ADF-GLS Unit Root Test —Structural Change

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Asymmetric Information, Moral Hazard and Adverse Selection	Anju Raj P
I PG	Principal Agent Problem	Meriat Joseph
I PG	Non Stationary Time Series and the Problem of Spurious Regression	Sneha P Saji
I PG	Unit Root Test	Ajo Joseph
I PG	Dicky-Fuller Test	Josna Joseph



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021- 22 Month: September 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 21 days

Details of regular and extra classes engaged: 49

Class	Hours	Topics or Portions Covered
I PG	20	3.2. Behavioural Economics—Beliefs-Heuristic and Biases—Decision Making Under Risk and Uncertainty—Expected Utility Theory—Prospect Theory—Framing— Anchoring Effect— Bracketing—Uncertainty—Law of Small Numbers—Asset Integration and Loss Aversion—Role of Time and Emotions in Economic Decisions— Role of Constraints and Information— Satisficing—Ameliorating—Path Dependence— Bounded Rationality—Altruism and Common Good—Strategic Interaction and Social Norms. 4.1 Partial and General Equilibrium—Walrasian General Equilibrium System— Existence, Uniqueness and Stability of an Equilibrium— $2 \times 2 \times 2$ and $H \times M \times N$ General Equilibrium Model 4.2 General Equilibrium and the Allocation of Resources— Prices of Commodities and Factors—Factor Ownership and Income Distribution
I PG	25	4.1 The Wold Decomposition Theorem—AR and MA Processes—ARMA and ARMAX— ARIMA and ARFIMA Modelling 4.2 Time Series Forecasting— Single Equation and Simultaneous Equation Regression Modelling and the Lucas Critique 4.3 Point Forecasts and Forecast Optimality—Losses— Quadratic Loss Function— Asymmetric Loss Function— Probability Event Forecasts—Conditional and Unconditional Forecasts—Multi-Step Ahead Forecasting— Combining Forecasts— Forecast Pooling—Sources of Forecast Uncertainty— Forecast Evaluation Framework—Test Statistics of Forecast Accuracy Based on Loss Differential

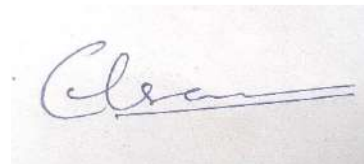


Student Seminars conducted

Class	Topic	Details of the Student
I PG	Behavioural Economics-Beliefs, Heuristics and Biases	Arun Thomas
I PG	Framing and Anchoring Effect	Reshma Mariat Babu
I PG	Asset Integration and Loss Aversion	Allen Antony
I PG	ARMA , ARIMA modelling	Merin Prince
I PG	Simultaneous Regression Equation Modelling	Athulya K R
I PG	Point Forecast and Forecast Optimality	Anitta Thomas



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021- 22 Month: October 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 18 days

Details of regular and extra classes engaged: 30

Class	Hours	Topics or Portions Covered
I PG	10	4.3. Exposition of Welfare Theories—Social Welfare Function and Pareto Criterion— Social Welfare Function—Theory of Bliss—Benthamite and Rawlsian Welfare Function—Compensation Principle: Hicks Kaldor Compensation Criteria—Scitovsky Reversal and Double Criteria—William Gorman’s Intransitivity Problem— Samuelson’s Criteria 4.4 First and Second Fundamental Theorem of Welfare Economics—Arrow’s Impossibility Theorem—Rawl’s Theory of Justice—Equity-Efficiency Trade-off. 4.5. Easterlin Paradox—Human Happiness Index
I PG	20	5.1 Volatility Measurement—ARCH and GARCH Models and Estimation—GARCH Forecasting 6.1 Growth Rate Estimation— Kinked Exponential Growth Rates—Robustness— Endogenous and Exogenous Breaks

Student Seminars conducted

Class	Topic	Details of the Student
I PG	Pareto Welfare Criterion	Ajo Joseph
I PG	Rawlsian Welfare Function	Athulya K R
I PG	Arrow’s Impossibility Theorem	Ariya Unnikrishnan
I PG	ARCH and GARCH models	Meriat Joseph
I PG	GARCH Forecasting	Arun Thomas
I PG	Endogenous and Exogenous Breaks	Swathy C S


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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: November 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 21 days

Details of regular and extra classes engaged: 51

Class	Hours	Topics or Portions Dealt
II PG	20	1.1 Theories of Public Economy—Three Objectives of Budget Policy—Market Failure— Externalities— Government Intervention—Government Failure. 1.2 Public Goods: Pure and Impure Public Goods— Mixed and Quasi-Public Goods— Global Public goods— Merit Wants and Merit Goods—Provision of Public Goods: Wicksell and Lindahl Model, Samuelson's Model—Theory of Clubs—Clarke-Groves Taxation— Provision Local Public Goods- Tiebout Model
I PG	25	1.1 Definition & Scope of Econometrics, Methodology- Modern Interpretation- Classical—Linear Regression Model-PRF-Linearity-Stochastic Disturbance Term- Significance—SRF-Method of OLS-Derivation of OLS Estimators-Deviation Form, Properties—Assumptions- Guass-Markov Theorem-Goodness of the Fit—R-square— Estimation and Testing of Hypothesis-Standard Error.

Details of Practical's conducted/engaged

Class	Hours	Topics/Portions Dealt
I PG	5	Internship

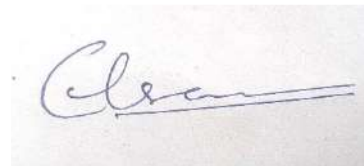


Student Seminars conducted

Class	Topic	Details of the Student
II PG	Public Goods: Pure and Impure Public Goods—Mixed and Quasi-Public Goods	Rejo Raju
II PG	Lindahl's Model	Sneha P Saji
II PG	Tiebout Model	Swathy C S
I PG	Definition and Scope of Econometrics	AnandhakrishnanAchari
I PG	Guass-Markov Theorem	Jinto Joy



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: December 2021

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 18 days

Details of regular and extra classes engaged: 55

Class	Hours	Topics or Portions Covered
II PG	20	<p>2.1 Problem of Collective Choice—Theory of Voting Rules—Anthony Downs’s Rational Voter Hypothesis—Arrow's Impossibility Theorem—Duncan Black Model—Buchanan and Tullock Model</p> <p>2.3 Representative Democracy: Role of Politicians and Political Parties—Logrolling and Political Manifestos—Voting and the Leviathan Hypothesis—Tax Price and Majority Voting—Fiscal Illusion—Costs of X-inefficiency—Directly Unproductive Profit-Seeking Activities—Social Costs—Lobbying and Interest Groups</p>
I PG	30	<p>2.1 Multiple Regression-Matrix Approach—General k variable Model—Variance Covariance Matrix—OLS Estimators and Guass-Markov Theorem (Matrix Notation)—Partial Regression Coefficients—Multiple Coefficient of Determination-R Square and Adjusted R Square—Estimation and Testing of Hypothesis-Test of Coefficients and Overall Significance-t-test and F test-p value—Testing the Equality of Two Regression Coefficients—Restricted Least Squares-Testing Linear Equality Restrictions</p> <p>2.2 Regression Through Origin -Scaling and Units of Measurement-Different Functional Forms of Regression Models and Their Applications (Log-Linear, Semi log, Double Log, Reciprocal and Log Reciprocal Models)—Choice of Functional Forms</p> <p>2.3 Qualitative Explanatory Variables—Dummy Variable Regression—ANOVA and ANCOVA Models—Dummy Variable Trap—Interpretation of Regression Results</p>



Details of Practical's conducted/engaged

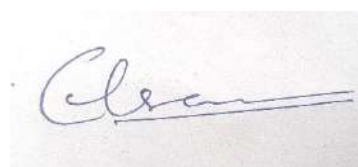
Class	Hours	Topics/Portions Dealt
I PG	5	Internship

Student Seminars conducted

Class	Topic	Details of the Student
II PG	Theory of Voting Rules	Anju Raj P
II PG	Tax price and Majority Voting	Allen Antony
II PG	Fiscal Illusion	Meriat Joseph
I PG	Multiple Coefficient of Determination	Manu A N
I PG	Restricted Least Square	Abhirami K
I PG	Scaling and Units of Measurement	Seethalakshmi S



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: January 2022

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 39

Class	Hours	Topics or Portions Covered
II PG	20	3.1 Theories of Public Expenditure: Wagner's Law—Wiseman-Peacock Hypothesis— Population Growth— Pricing of Public Sector Inputs—Baumol's Model— Other Causes of Growth—Incidence of Public Expenditure—Distributional Issues and Fiscal Incidence—Aaron and McGuire's Model—Public Expenditure and Bureaucracy— Niskanen Model 3.2 Approaches to Tax Equity—Benefit Principle— Ability to Pay—Horizontal and Vertical Equity— Sacrifice Rules—Social Welfare Approach—Incidence of Taxation— Statutory Incidence, Economic Incidence and Tax Shifting—Alternative Concepts of Incidence— Principles of Tax Incidence—Partial Equilibrium View of Product Taxes and Factor Taxes—Incidence in General Equilibrium in Perfect and Imperfect Markets
I PG	10	3.1 Nature, Consequences, Tests, and Remedial Measures to the Problems of Heteroscedasticity, Auto-correlation and Multicollinearity 3.2 Model Specification and Errors: Consequences— Underfitting and Overfitting— Measurement Errors

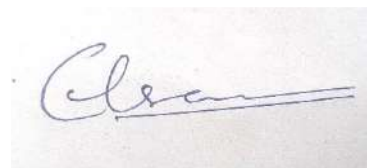
Details of Practical's conducted/engaged

Class	Hours	Topics/Portions Dealt
II PG	5	Internship



Student Seminars conducted

Class	Topic	Details of the Student
II PG	Wagner's Law	Reshma Mariat Babu
II PG	Wiseman- Peacock Hypothesis	Arun Thomas
II PG	Horizontal and Vertical Equity	Ajo Joseph
I PG	Nature and Consequences of Multicollinearity	Sreelakshmi E R
I PG	Tests and Remedial measures of Multicollinearity	Devika Rajan



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: February 2022

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 20 days

Details of regular and extra classes engaged: 41

Class	Hours	Topics or Portions Covered
II PG	20	3.3 Excess Burden and Efficient Tax Design—Tax Distortions in Partial and General Equilibrium—Optimal Taxation—Taxation Effects on Capacity Output, Work Effort, Private-Sector Saving, Private Investment and Economic Growth. 4.1 Budgetary Policy in India—Recent Budgets—Trends in Fiscal Parameters— Macroeconomic implications—Concepts of Budget Deficit— Measurement—Problem of Fiscal Deficit— Corrective Measures—FRBM Act— Problems of Sound Finance 4.2 Theories of Public debt: Classical—Keynesian— Modern—Burden of Public Debt— Intergenerational Equity—Buchanan Thesis
I PG	15	4.1 Simultaneous Equation Models—Simultaneous Equation Bias—Inconsistency of OLS Estimators— Identification Problem—Test of Simultaneity and Exogeneity 4.2 Problem of Estimation—Single Equation Methods —OLS—ILS— 2SLS and Systems Methods—2SLS and SURE Model—Lurking Variables

Details of Practical's conducted/engaged

Class	Hours	Topics/Portions Dealt
II PG	5	Internship

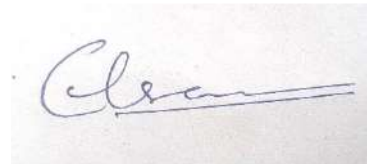


Student Seminars conducted

Class	Topic	Details of the Student
II PG	Budgetary policy in India	Merin Prince
II PG	Recent Budget	Athulya K R
II PG	Problem of Fiscal Deficit	Josna Joseph
I PG	Nature and Consequences of Heteroscedasticity	Akhilamol Sebastian
I PG	Tests and Remedial measures of Heteroscedasticity	Renju Theresa Manuel
I PG	OLS and 2SLS methods	Melvin Francis



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: March 2022

Name: Ms. Jyothis Maria Franklin

Total Number of Working days: 22 days

Details of regular and extra classes engaged: 28

Class	Hours	Topics or Portions Covered
II PG	10	5.1. Theory of Fiscal Federalism: Optimal Federalism: Stigler—Decentralization Theorem: Oates—Optimal Redistribution 5.2. Theory of Intergovernmental Transfers and Grants—Distribution of Fiscal Capacity—Design of Grants—Fly Paper Effect—Fiscal Illusion 5.3. Fiscal Federalism in India— Vertical and Horizontal Equity in Transfers—Terms of References and Challenges before 15th Finance Commission
I PG	10	5.1 Estimation of Distributed Lag Models—Koyck Model and its Rationalisation— Partial Adjustment and Adaptive Expectations Model—Almon Approach 5.2 Estimation of Auto Regressive Models— Instrumental Variables—Method of Instrumental Variables—Problems—SARG Test and Durbin h Statistic—Causality— Granger Causality Test and Sims Test

Details of Practical's conducted/engaged

Class	Hours	Topics/Portions Dealt
II PG	5	Internship

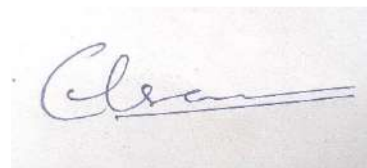


Student Seminars conducted

Class	Topic	Details of the Student
II PG	Fiscal Federalism in India	Anitta Thomas
II PG	Vertical and Horizontal Equity in Transfers	Ariya Unnikrishnan
I PG	Koyck Model	Radhika Santhosh
I PG	Partial Adjustment Model	Sruthymol P Baby
I PG	Instrumental Variables	Aleena Augustine
I PG	Almon Approach	Melvin Francis



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021– 22 Month: June 2021

Name: Sony Jacob

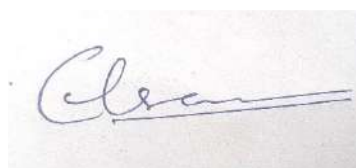
Total Number of Working days: 9 days

Details of regular and extra classes engaged: 24

Class	Hours	Topics or Portions Covered
I PG	8	First Order and Second Order Conditions—Optimization with Equality Constraints—Lagrange Method – Interpretation of Lagrange Multiplier (Mathematical Methods for Econometric Analysis 2)
I PG	8	Consumption Function: Current Income Theories : Absolute Income Hypothesis of Keynes—Consumption Function Puzzle: Kuznet’s Findings—Drift Hypothesis of Smithies—Relative Income Hypothesis of Duesenberry. (Macro Economic Analysis 2)

Details of Practical’s conducted/engaged

Class	Topics/Portions Dealt
I PG	Introducing R studio (Term Paper)



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: July 2021

Name: Sony Jacob

Total Number of Working days: 18 days

Details of regular and extra classes engaged: 42

Class	Hours	Topics or Portions Covered
I PG	21	Interpretation of Lagrange Multiplier Two Variables with One Equality Constraint- Several Equality Constraints – Bordered Hessian Determinant (Differentiation Between Hessian and Jacobin) Mathematical Methods for Econometric Analysis-2
I PG	21	Fischer’s Intertemporal Choice Model. Normal Income Theories: Permanent income Hypothesis of Friedman and Life Cycle Hypothesis of Modigliani—Robert Hall’s Random Walk Hypothesis—David Laibson Behavioural Hypothesis Macro Economic Theory-2

Details of Practical’s conducted/engaged

Class	Hours	Topics/Portions Dealt
I PG	5	Understanding R software Installation Basic commands



Student Seminars conducted

Class	Topic	Details of the Student
I PG	Differentiation Between Hessian and Jacobin	Rejo Raju
I PG	Permanent income Hypothesis of Friedman	Sneha P Saji
I PG	Life Cycle Hypothesis of Modigliani	Athulya K R
I PG	Bordered Hessian Determinant	Arun Thomas

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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: August 2021

Name: Sony Jacob

Total Number of Working days: 10 days

Details of regular and extra classes engaged:

Class	Hours	Topics or Portions Covered
I PG	10	Homogeneous and Homothetic Functions—Linearly Homogeneous Functions, Properties, Euler's Theorem, Economic Applications, Homothetic Function, Definition and Characterization, Concave and Convex, Quasi Concave and Quasi Convex and Pseudo Concave Functions—Envelope Theorems—Economic Applications
I PG	10	Investment Function: Keynes's Investment Theory—MEC Approach—Accelerator Theory of Investment (Simple and Flexible) —Capital Stock Adjustment Principle— Financial Theory of Investment—Tobin's Q Ratio- Modigliani-Miller Theory—Metzler Inventory Cycle Model—Jorgenson's Neoclassical Investment Model. Theoretical Approaches to the Demand for Money: The Classical, Keynes, and Friedman.

Details of Practical's conducted/engaged

Class	Hours	Topics or Portions Dealt
I PG	2	Basic R commands Importing files

Student Seminars/Presentations conducted

Class	Topic	Details of the Student
I PG	Concave and Convex, Quasi Concave and Quasi Convex and Pseudo Concave Functions	Josna Joseph
I PG	Keynes's Investment Theory—MEC Approach	Swathy C S

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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: September 2021

Name: Sony Jacob

Total Number of Working days: 17 days

Details of regular and extra classes engaged: 42

Class	Hours	Topics or Portions Covered
I PG	19	Transactions Theories of Money Demand: The Baumol Model—The Shopping-Time Model—Cash-in-Advance Models. Tobin's Portfolio Theories of Money Demand—Buffer Stock Demand for Money: Akerlof and Milbourne (A-M) Model—Miller and Orr(M-O) Model. Modern Monetary theory (MMT) Supply of Money: Financial Intermediation—Mechanistic Model of Bank Deposit Determination—Behavioural Model of Money Determination—Demand Determined View of Money Supply Process. H- theory of money supply- Money Multiplier and Its Determination—Monetary Policy and Central banking— Monetary Transmission Mechanism—Inside and Outside Money—Money Supply Determination in an Open Economy.
I PG	19	Optimization with Inequality Constraints –One Inequality Constraint-Several Inequality Constraints—Linear Programming—Graphical Solution—Simplex Method Open Sets, Closed Sets, Compact Sets; Non-Linear Programming—Kuhn-Tucker Conditions—Interpretation and Applications

Details of Practical's conducted/engaged

Class	Hours	Topics or Portions Dealt
I PG	4	Measures of central tendency and dispersion in R studio

Student Seminars/Presentations conducted

Class	Topic	Details of the Student
I PG	Open Sets, Closed Sets, Compact Sets	Meriat Joseph
I PG	Linear Programming—Graphical Solution	Ariya Unnikrishnan
I PG	Money Multiplier and Its Determination	Anju Raj P
I PG	Inside and Outside Money	Merin Prince

Sony

Alena



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-2022 Month: November 2021

Name: Sony Jacob

Total Number of Working days: 17 days

Details of regular and extra classes engaged: 59

Class	Hours	Topics or Portions Covered
I PG (2 Sem)	8	Supply Side Economics: Main Features—Supply-side Policies—Tax (Laffer Curve), Incentive and Production—SSE and Role of the Government Macroeconomic Effects of Fiscal Deficit—Government Budget Constraint—Government Solvency Condition—Debt Dynamics—Barro's Ricardian Equivalence—Debt Stabilisation and Debt Rescheduling—Seignorage—Problems of Fiscal Austerity and Sound Finance.
I PG (2 Sem)	8	First Order Linear Differential Equations –Homogeneous Case and Non-Homogeneous Case-Linear Second Order Equations-Existence of Solutions, First Order Difference Equation –Solving First Order Difference Equations—The Dynamic Stability of Equilibrium-Convergence to Equilibrium -Cobweb Model-Second Order Linear Difference Equation-Complimentary Function- Samuelson Multiplier- Accelerator Interaction Model
I PG (I Sem)	9	Classical Macroeconomics: Mercantilism—Physiocracy—Laissez Faire-Labour Theory of Value—Classical Labour Market—Employment and Output-Say's Law—Quantity Theory of Money: Neutrality of Money and Classical Dichotomy—Real Balance Effect—Classical Theory of Interest Rate—Policy Implications of Classical Equilibrium Model.
I PG (I Sem)	15	Sets and Sample Space; Permutation and Combination: Random Events; Approaches to Defining Probability: Classical, Axiomatic and Bayesian Approach; Basic Theorems of Probability Theory: Addition, Mutually Exclusive; Conditional and Independence; Bayes Theorem. Discrete Random Variables with Probability Function; Continuous Random Variables with Probability Density Functions (f); Cumulative Distributions (Distribution Function-F)
I PG (I Sem)	15	Matrices: Addition, Subtraction, Scalar Multiplication, Matrix Multiplication, Laws of Matrix Algebra, Transpose, Systems of Equations in Matrix Form, Special Kinds of Matrices, Elementary Row Operations, Row Echelon Form, Rank, Solution of Linear System of Equations Using Gauss (Or Gauss Jordan) Elimination Method, Systems with Unique Solution, Many Solution or No Solution. Linear Systems, Examples of Linear Models- National Income Models, IS-LM Analysis.



Details of Practical's conducted/engaged

Class	Hours	Topics/Portions Dealt
I PG	2	Estimation

Departmental/ Extracurricular/ Student support activities

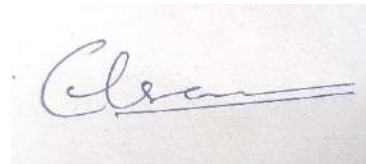
1. Practical examination: Term Paper

Term Paper Activities:

Submission of Term Paper for Evaluation: 14 Students



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: December 2021

Name: Sony Jacob

Total Number of Working days: 17

Details of regular and extra classes engaged: 48

Class	Hours	Topics or Portions Covered
I PG	10	Determinants – (Definition, Butterfly Method, Properties, Evaluation of 3rd Order Determinant by Sarrus Shortcut Method or The Basket Weave Method- Evaluating The Nth Order Determinant by Laplace Expansion Method Singular & Non-singular. Matrices, Trace of A Matrix, Minor, Co-Factor, Adjoint of Matrices) Inverse of Matrix, Solution of System of Equations Using Cramer’s Rule and Inverse Method. Economic Applications of Matrices and Determinants, IS-LM Analysis Via Cramer’s Rule, Supply and Demand.
I PG	14	Mathematical Expectations; Moments (About The Origin, About The Mean); Mean and Variance of Linear Combinations of Random Variables; Moment Generating Function and Characteristic Function—Joint Distribution, Marginal Distributions; Conditional Distribution; Covariance and Independence; Conditional Expectation and Variance, Properties of Commonly Used Discrete and Continuous Distributions: Uniform, Bernoulli, Binomial, Poisson, Normal and Exponential Distributions—Log Normal—Pareto—Cauchy—Folded Normal Distribution—Half Normal Distribution—Gamma Probability Distribution (Including Three-Parameter Gamma)—Beta Distribution— Weibull—Rayleigh—Geometric and Negative Binomial Distribution
I PG	8	Keynesian Fixed Price Models: Neo-Classical Synthesis—Keynesian Cross Model (Three Sector Model) And IS-LM Model—IS-LM BP Model-Keynes Effect—Liquidity Trap—Fiscal and Monetary Policies—Crowding Out Effect.
II PG	12	Dichotomous Dependent Variable and The Linear Probability Model—Linear Discriminant Function Logit and Probit Models—Ungrouped and Grouped— Dichotomous and Polychotomous Variables—Unordered, Sequential, And Ordered Categories Logit Models with Randomized Data—Non-categorical Variables: Poisson Regression and Negative Binomial Regression

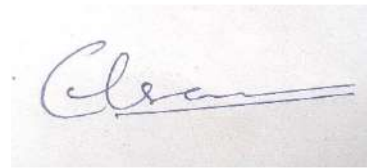


Student Seminars/Presentations conducted

Class	Topic	Details of the Student
I PG	Determinants – (Definition, Butterfly Method)	Abhirami K S
I PG	Mean and Variance of Linear Combinations of Random Variables	Aleena Mathew
I PG	Keynesian Cross Model (Three Sector Model)	Radhika Santhosh
II PG	Dichotomous Dependent Variable	Rejoraju
II PG	Poisson Regression and Negative Binomial Regression	Allen



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DEVAMATHA COLLEGE, KURAVILANGAD
INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

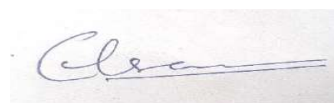
Year: 2021-2022 Month: January 2022

Name: Sony Jacob

Total Number of Working days: 20

Details of regular and extra classes engaged: 49

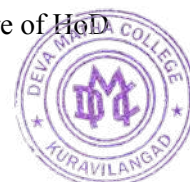
Class	Hours	Topics or Portions Covered
I PG	14	Sampling Distribution: Sampling Distribution of Sample Proportion of Success– Binomial Distribution; Normal as a Limiting Case of Binomial Distribution; Sampling Distribution of Sample Mean; Chebyshev's Theorem—Law of Large Numbers Central Limit Theorem; Distribution of Selected Test Statistics- Z, Chi Square, T, F- Distribution Estimation: (1) Point Estimation—Properties of Estimators—(I) Small Sample Properties: –Unbiasedness, Efficiency—(Ii) Asymptotic Properties: Asymptotic Unbiasedness, Efficiency, Consistency and Sufficiency—Robustness (2) Confidence Interval Estimation
I PG	10	Vectors - Points and Vectors in Euclidian Space, Algebra of Vectors, Addition Subtraction, Scalar Multiplication of Vectors – Length and Inner Product in R_n , Vector Space R_n , Linear Independence, Spanning Set, Basis and Dimension of R_n ,
I PG	6	Keynesian Flexible Price Model: AD-AS Framework—Policy Implications- Multiplier—Balanced Budget Multiplier—Built-In-Stabilizers.Neo-Keynesian Disequilibrium Models: Walrasian Vs. Keynesian Models— Effective Demand and Notional Demand
II PG	14	Multinomial Logit and Mcfadden's Conditional Logit—Multinomial Probit Model—Nested Multinomial Logit Model—Generalized Extreme-Value Model— Conditional Logistic Models—Recursive Logistic Model Bayesian Logistic Regression—Informative Priors

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-2022 Month: February 2022

Name: Sony Jacob

Total Number of Working days: 20

Details of regular and extra classes engaged: 62

Class	Hours	Topics or Portions Covered
I PG	10	Incompatibility of Walras Law— Disequilibrium Models of Robert Clower—Leijonhufvud—Barro-Grossman and Malinvaud. Post-Keynesian Economics (PKE): Essential Characteristics of Post Keynesian Economics—Various Strands of PKE—Principles of Effective Demand and Labour Market: Employment and Unemployment—Consumption Theory
I PG	19	Methods of Estimation: Method of Moments; Least Square Estimation; Maximum Likelihood Estimation—Crammer-Rao Lower Bound Bayesian Estimation—Bayesian Point Estimation—Criteria for Finding the Bayesian Estimate—Bayesian Confidence Interval or Credible Interval—Bayesian Hypothesis Testing—Bayesian Decision Theory—Empirical Bayes Estimates—Jack- Knife Resampling Testing of Hypothesis: Neyman–Pearson Lemma—Design and Evaluation of Tests; Test Criteria; Types of Errors; Significance Level (Size of A Test), Power of A Test; P- Value
I PG	19	Set Theory—Cartesian Product—Ordered Pair—Relations—Functions - Functions On R^1 , Linear Functions, Sequences of Real Numbers, Limit, Differentiability; Gradient or Slope, Derivatives - First Order and Higher Order -Inverse Functions and Their Derivatives, Maxima and Minima, Mean Value Theorem, Rolle's Theorem and Their Applications, Taylor Approximations, Exponential and Logarithmic Functions— Applications of One Variable Calculus to Economics.
II PG	20	Limited Dependent Variables—Truncation, Censoring and Sample Selection, Truncated Random Variable and Truncated Distributions—Moments—Truncated Regression Model—Stochastic Frontier Model Assumptions—Nonlinear Least Squares Estimator—Asymptotic Properties of the Estimators—Hypothesis Testing and Parametric Restrictions. Applications: Log linear Models—Partially Linear Regression—Nonparametric Regression,



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: March 2022

Name: Sony Jacob

Total Number of Working days: 16

Details of regular and extra classes engaged: 60

Class	Hours	Topics or Portions Covered
I PG	8	Pricing Theory and Distribution of Income—Expectation—Investment Theory Money: Endogenous Supply of Money and Circuit Theory—Minsky's Financial Instability Hypothesis-Path Dependency and Hysteresis-Role of State—Fiscal and Monetary Policy in PKE
I PG	16	Parametric Tests Testing for Single Proportion; Testing for Equals of Two Proportions; Testing for Equals of More Than Two Proportions; Testing for Single Mean—Testing for Equality of Two Means; Testing for Equality of More Than Two Means(ANOVA); Testing of Single Variance; Testing of Equality of Two Variances; Testing for Independence of Two Variables—Non Parametric Test Principal Steps in Sample Survey; Determination of Sample Size; Probability Sampling: Simple Random Sampling, Stratified Random Sampling, Systematic Sampling, Cluster Sampling; Non Probability Sampling: Quota Sampling, Purposive Sampling, Convenience Sampling, Snow Ball Sampling; Multi Stage Sampling. Properties of Random Samples
I PG	16	Function of Several Variables-Definition, Geometric Representation of Functions, Economic Interpretation, Continuous Functions, Partial Differentiation, Applications, Jacobian Determinants, Composite Function or Chain Rule, Total Derivative, Higher Order Derivatives, Implicit Functions and Their Derivatives, Applications to Economics, Vector and Matrix Differentiation —Application in Econometrics
II PG	20	Censored Normal Distribution—Moments—Censored Regression (Tobit) Model Two-Part Models and Corner Solutions—Issues of Heteroscedasticity and Non- Normality Models for Duration—Parametric Models of Duration—Nonparametric and Semiparametric Approaches—Incidental Truncation and Sample Selection— Evaluating Treatment Effects

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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: September 2021

Name: Harikumar K

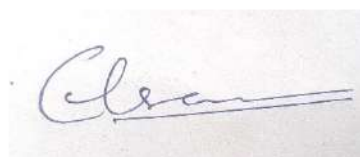
Total Number of Working days: 17 days

Details of regular and extra classes engaged: 35

Class	Hours	Topics or Portions Covered
II DC	8	Classical – Marxian – Schumpeterian. Economic Development – role of agriculture – capital – technology– choice of technique - Trade and economic development – process of cumulative causation.
III DC	8	Trade cycles- Types and phases- Stabilization policies-Active or passive; monetary policy objectives and targets: Fiscal and Monetary policy in the IS-LM context(closed economy only)-Financial Crises & Regulatory response.
III DC	10	Renewable and non-renewable resources : Natural resources and associated problems. Forest resources : Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies. Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies. Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification Role of individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

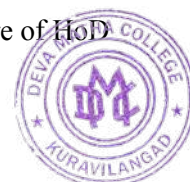


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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: October 2021

Name: Harikumar K

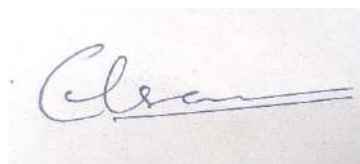
Total Number of Working days: 11 days

Details of regular and extra classes engaged: 26

Class	Hours	Topics or Portions Covered
II DC	6	Human Resource and Development – man power planning – concept of intellectual capital and its size – role of education and health in economic development – Education and health as joint investment for development – Gender and development – women in the labour force – missing women population and economic growth – optimum theory of population – theory of demographic transition – ageing and younging of population.
III DC	6	Definition Causes, effects and control measures of: - Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, Nuclear hazards , waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution, Pollution case studies, Disaster management: floods, earthquake, cyclone and landslides.
III DC	8	Monetarism- Monetarist propositions and the Quantity Theory Restatement New Classical Economics- Rational Expectations (concept)- Lucas' Critique (Policy ineffectiveness proposition) Supply Side Economics- Tax cut policy and the Laffer Curve Analysis New Keynesian School – Nominal Wage Rigidity model



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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: November 2021

Name: Harikumar K

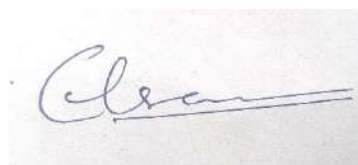
Total Number of Working days: 17 days

Details of regular and extra classes engaged: 39

Class	Hours	Topics or Portions Covered
II DC	10	Keynesian Revolution –Main postulates of the general theory- Consumption function- Psychological law of consumption- Savings function- graphical, algebraic and numerical illustrations of APC, MPC, APS, MPS
III DC	12	Functions of foreign exchange markets - Forex Market participants.- Demand and supply of foreign exchange, Determination of equilibrium exchange rates - Factors influencing exchange rates.
III DC	15	The scope and methods of Business Economics – role in managerial decision making – decision making – approaches to managerial decision making theory and firms – basic concepts in economics – scarcity – choice – resource allocation – fundamental concepts and principles : the incremental concept – the time perspective – the discounting principle – the opportunity cost concept – the equimarginal principle



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: December 2021

Name: Harikumar K

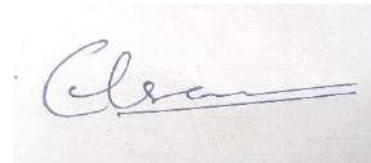
Total Number of Working days: 17

Details of regular and extra classes engaged: 35

Class	Hours	Topics or Portions Covered
II DC	10	Factors determining consumption-investment demand Function-determinants of investment- MEC and MEI and the role of expectations-principle of effective demand
III DC	10	Theories of exchange rate determination- The Mint Parity Theory, Purchasing Power Parity theory, balance of payment theory. – Fixed and floating exchange Rate, spot and forward rates, hedging, speculation, arbitrage, futures, options and currency swaps.
III DC	15	Demand – types – determinants of demand – Law of demand – changes in demand – elasticity of demand – income – price – cross (with numerical illustration) – Demand determinants of non-durable consumer goods – durable consumer goods – capital goods – demand forecasting – types – methods of demand forecasting – forecasting demand for new products – criteria for a good forecasting method.



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: January 2022

Name: Harikumar K

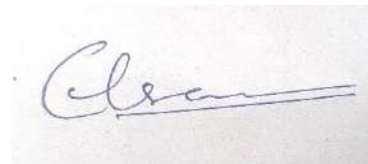
Total Number of Working days: 16

Details of regular and extra classes engaged: 41

Class	Hours	Topics or Portions Covered
II DC	10	Two sector Keynesian cross model of income determination - Algebraic derivation-Under employment equilibrium-The effects of changes in autonomous investment on income-multiplier analysis
III DC	12	Exchange rate system in India-managed floating – partial and full convertibility on current and capital accounts.
III Dc	16	Production function: Production function with empirical studies – Cobb Douglas production function – Cost concepts and classification – accounting cost and economic cost – actual cost and opportunity cost – explicit cost and implicit or imputed cost – out of pocket cost- book cost – direct and indirect cost – historical cost and replacement cost – short run and long run cost – total cost – average cost – marginal cost – cost estimation – accounting cost method – engineering cost method – objective of the firm: managerial theory of firm- by William J. Baumol.



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: February 2022

Name: Harikumar K

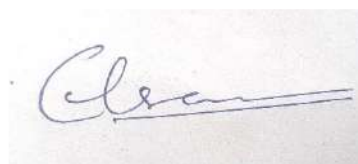
Total Number of Working days: 18

Details of regular and extra classes engaged: 35

Class	Hours	Topics or Portions Covered
II DC	8	static and dynamic multiplier- three sector Keynesian Cross model-The effects of changes in taxes and public expenditure on income-Balanced budget multiplier
III DC	10	Commercial Policy – free trade and protection – tariffs and quotas and their effects – other non-tariff barriers –Economic Integration-meaning, forms and benefits
III DC	12	Pricing methods – cost oriented pricing – competition oriented pricing – practical methods of pricing – peak-load pricing – pricing of a new product – multi product pricing – Dual pricing – administered pricing – transfer pricing – profit – profit theories – risk bearing theory – market imperfection theory – innovation theory – accounting and economic profit – profit planning – Break- even analysis



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-2022 Month: November 2021

Name: Ann Mary Sebastian

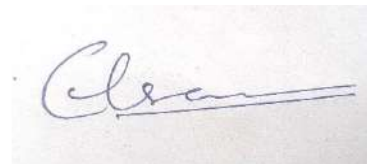
Total Number of Working days: 4 days

Details of regular and extra classes engaged: 5

Class	Hours	Topics or Portions Covered
I PG (I Sem)	3	Introduction: Main Propositions of Monetarism



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INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: December 2021

Name: Ann Mary Sebastian

Total Number of Working days: 16

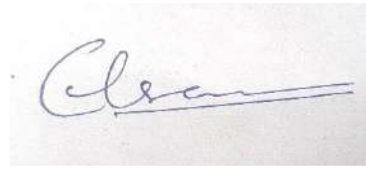
Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Covered
I PG	10	Friedman's Re-Statement of Quantity Theory of Money—Monetarist Inflation Theory—Adaptive Expectation Hypothesis Monetarism and The Philips Curve: Inflation—Phillips Curve—Lipsey's Excess- Demand Model—Samuelson-Solow Modification of the Phillips Curve
II PG	15	System of Equations—Recursive Systems—Simultaneous Equations—Identification—Estimation: ILS, IV, 2SLS and 3SLS— Seemingly Unrelated Regression Equations Principal Components and Common Factor Models—Canonical Correlation Analysis (without derivation)
II PG	15	Theories of Public Economy—Three Objectives of Budget Policy—Market Failure— Externalities—Government Intervention—Government Failure. Public Goods: Pure and Impure Public Goods—Mixed and Quasi-Public Goods— Global Public goods—Merit Wants and Merit Goods—Provision of Public Goods: Wicksell and Lindahl Model, Samuelson's Model—Theory of Clubs—Clarke-Groves Taxation—Provision Local Public Goods- Tiebout Model
II PG	15	Meaning and Measurement of Economic Development: Conventional, Human Development Index (Human Development Index, Inequality-Adjusted Human Development Index, Gender Related Development Index, Gender Empowerment Measure, Gender Inequality Index, Human Poverty Index, Multi-Dimensional Poverty Index). Quality of Life Indices: Entitlements Approach—Capabilities and Functioning- Development as Freedom—Human Rights-Based Approach— Three Core Values of Development Poverty and Income Distribution: Poverty and Its Measurement—Economic Theories of Convergence and Divergence—Development Gap—Inequality in Income Distribution—Kuznets Inverted U Hypothesis—Lorenz Curve and Gini-Coefficient— Atkinson, Theil, Palma Ratio—Piketty's Concept of Inequality—Concept of Sustainable Development.





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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-2022 Month: January 2022

Name: Ann Mary Sebastian

Total Number of Working days: 19

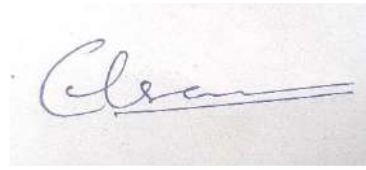
Details of regular and extra classes engaged: 68

Class	Hours	Topics or Portions Covered
I PG	12	Friedman-Phelps Expectations-Augmented Phillips Curve— Natural Rate of Unemployment Hypothesis—Accelerationist Hypothesis and NAIRU-Policy Implications—Business Cycles and Monetary Policy. Main Propositions of NCM: The Lucas Critique—Rational Expectations Hypothesis- Continuous Market Clearing—The Lucas Supply Curve—The Policy Ineffectiveness Proposition
II PG	18	Rational Expectations Models with Future Expectations—Forward Solution— Models with Forward & Backward Components— Feedbacks—Rational Expectations DSGE Models—General Framework (without derivation) VAR Models—Stationary Conditions for VAR(P)—Unit Root Case—Deterministic Components—VAR Order Selection
II PG	18	Problem of Collective Choice—Theory of Voting Rules—Anthony Downs's Rational Voter Hypothesis—Arrow's Impossibility Theorem—Duncan Black Model—Buchanan and Tullock Model Representative Democracy: Role of Politicians and Political Parties—Logrolling and Political Manifestos—Voting and the Leviathan Hypothesis—Tax Price and Majority Voting—Fiscal Illusion—Costs of X-inefficiency—Directly Unproductive Profit-Seeking Activities—Social Costs—Lobbying and Interest Groups
II PG	19	Vicious Circle of Poverty—Dualistic Theories—Social—Financial and Technical Dualism Prebisch-Singer Thesis and Myrdal Thesis: Backwash and Spread Effect—Circular and Cumulative Causation—Rostow's Stages of Growth—Vent for Surplus Theory of Hla Myint—Staple Theory—Dutch Disease. Dual Economy Models and Labor: Lewis Model—Ranis and Fei Model—Rural Urban Migration and Urban Unemployment (Harris-Todaro)—Rural-Urban Wage Gap (Labor Turnover Model, Wage Efficiency Model)—The Jorgenson Model—Dixit- Marglin Model. Political Economy of Underdevelopment: Contributions of Paul Baran, Gundar Frank, Samir Amin and Emmanuel Wallerstein (World Systems Approach).





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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-2022 Month: February 2022

Name: Ann Mary Sebastian

Total Number of Working days: 20

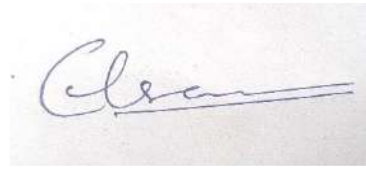
Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Covered
		The New Classical Economics and the Business Cycle Monetary Policy in the NCM and the Philips Curve—Credibility and Dynamic Time-Inconsistency. Macroeconomic Policy Issues: Rule Versus Discretion—Cold Turkey versus Gradualism—Taylor Rule-Inflation Targeting
II PG	18	Granger Causality—Toda and Yamamoto Procedure Forecasting with Multivariate Models—Multivariate Spectral Density—SVAR— Testing and Estimation Testing for Cointegration: Single Equation and System Approaches— Bounds Testing (ARDL)
II PG	19	Theories of Public Expenditure: Wagner's Law—Wiseman-Peacock Hypothesis— Population Growth—Pricing of Public Sector Inputs—Baumol's Model— Other Causes of Growth—Incidence of Public Expenditure—Distributional Issues and Fiscal Incidence—Aaron and McGuire's Model—Public Expenditure and Bureaucracy—Niskanen Model Approaches to Tax Equity—Benefit Principle—Ability to Pay—Horizontal and Vertical Equity—Sacrifice Rules—Social Welfare Approach—Incidence of Taxation— Statutory Incidence, Economic Incidence and Tax Shifting—Alternative Concepts of Incidence—Principles of Tax Incidence—Partial Equilibrium View of Product Taxes and Factor Taxes—Incidence in General Equilibrium in Perfect and Imperfect Markets. Excess Burden and Efficient Tax Design—Tax Distortions in Partial and General Equilibrium—Optimal Taxation—Taxation Effects on Capacity Output, Work Effort, Private-Sector Saving, Private Investment and Economic Growth.
II PG	18	Classical Theory of Development—Adam Smith, David Ricardo, Karl Marx and Schumpeter. Theories of Economic Growth: Harrod-Domar Model. Neo-Classical Growth Models—Solow and Meade. Cambridge Growth Models: Mrs. Joan Robinson's and Kaldor's Growth Models. Endogenous Growth Models—Ramsey's Model—Romer's Model—Uzawa-Lucas Model—AK Model—Arrow's Model—Grossman and Helpman's Model—Aghion and Howitt).





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DEVAMATHA COLLEGE, KURAVILANGAD

INDIVIDUAL MONTHLY STATEMENT OF WORK

Department: Economics

Year: 2021-22 Month: March 2022

Name: Ann Mary Sebastian

Total Number of Working days: 17

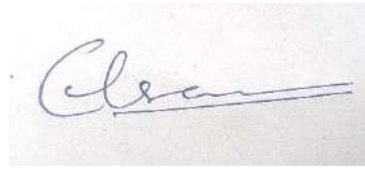
Details of regular and extra classes engaged: 58

Class	Hours	Topics or Portions Dealt
I PG	10	New Keynesian School: Imperfect Competition and Price Setting—Sticky Nominal Wages—Staggered Wage-Contract Theory. Sticky Price Model: Menu Costs and Demand Externality. Sticky Real Wages: Asymmetric Information Model—Implicit Contract Theory—Insider Outsider Model and Hysteresis. Efficiency Wage Theories of Involuntary Unemployment: Shapiro—Stiglitz Model-Turnover Cost-Selective Theory—On the Job Efficiency—Shirking Theory and Coordination Failure—Policy Implications of NKE. New Classical New Keynesian Synthesis.
II PG	15	Theory of Big Push—Critical Minimum Effort Thesis—Low Income Equilibrium Trap—Balanced and Unbalanced Growth. (Self-Study) Michael Kremer's O-Ring Theory of Economic Development Resources Allocation for Development: Need for Investment Criteria—Present Versus Future—Alternative Investment Criteria—Cost Benefit Analysis—Shadow Prices—Project Evaluation—Choice of Techniques—Application of Input Output Analysis. Institution and Development—Institutional Economics—Contributions of Thorstein Veblen, John R. Commons, Wesley Mitchell—New Institutional Economics: Contributions of R. H Coase, Oliver E Williamson, Douglass C. North, Acemoglu, D. and J. Robinson Empirical Development Economics—Development Issues and Randomised Trials
II PG	16	Budgetary Policy in India—Recent Budgets—Trends in Fiscal Parameters—Macroeconomic implications—Concepts of Budget Deficit—Measurement—Problem of Fiscal Deficit—Corrective Measures—FRBM Act—Problems of Sound Finance Theories of Public debt: Classical—Keynesian—Modern—Burden of Public Debt—Intergenerational Equity—Buchanan Thesis Theory of Fiscal Federalism: Optimal Federalism: Stigler—Decentralization Theorem: Oates—Optimal Redistribution Theory of Intergovernmental Transfers and Grants—Distribution of Fiscal Capacity—Design of Grants—Fly Paper Effect—Fiscal Illusion
II PG	15	Cointegrating VAR: Multiple Cointegrating Relations—Identification of Long-Run Effects—Cointegrating VAR Models—Long-Run Structural Modelling Small Sample Properties of Test Statistics—Estimation of Short-Run Parameters of VEC Model—Stability of the Cointegrated System—Beveridge-Nelson Decomposition in VARs—Testing and Estimation Traditional Impulse Response Functions—Orthogonalized Impulse Response Function—Generalized Impulse Response Function (GIRF) Forecast Error Variance Decompositions—Structural Systems with Permanent and Transitory Shocks—Testing and Estimation





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