

**SEMESTER – 4 :: COURSE – 4**  
**ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH**  
**NO. OF CREDITS: 4**

**LEARNING OUTCOMES FOR THE COURSE**

At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills.

1. Remembers and states in a systematic way (Knowledge)
  - a. leading issues of Indian economic development with reference to potential for growth, obstacles and policy responses
  - b. Objectives, outlays and achievements of economic plans and growth strategies
2. Explains (understanding)
  - a. Available Resources, demographic issues, general problems of poverty and unemployment and relevant policies
  - b. Sector specific problems, remedial policies and their effectiveness relating to Agriculture and Industrial Sectors of Indian and AP economy and infrastructure issues of AP economy
  - c. Indian Tax system, recent changes, issues of public expenditure and public debt, recent finance commissions and devolution of funds
  - d. Major issues of economic development of Andhra Pradesh after bifurcation and Central assistance
3. Critically examines using data and figures (analysis and evaluation)
  - a. Leading issues of current importance relating to India and AP economy, major policies and programmes
  - b. Covid– 19 and its impact on Indian economy
4. Uses official statistical data and reports including tables and graphs
  - a. To explain the achievements of Indian economy with reference to the objectives of planning and policy and make critical evaluation

## **Module – 1 Basic Features**

Basic characteristics of Indian Economy as a developing economy – Economic development since independence - Objectives and achievements of planning – Planning Commission/NITI Ayog and their approaches to economic development - India's Rank in Global Human Development Index .

## **Module 2 National Income and Demography**

Trends in National income - Demographic trends - Poverty and Inequalities – Occupational Structure and Unemployment - Various Schemes of employment generation and eradication of poverty – Issues in Rural Development and Urban Development – Intra-state and Inter-state Labour Migration and unorganized sector Problems of Migrant Labour

## **Module – 3 Agricultural and Industrial Developments**

Indian Agriculture – Agricultural Strategy and Agricultural Policy – Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices - Malnutrition and Food Security - Indian Industry - Recent Industrial Policy – Make-in India – Start-up and Stand-up programmes – SEZs and Industrial Corridors - Economic Reforms and their impact - Economic initiatives by government of India during COVID - Atmanirbhar Bharat package.

## **Module –4 Indian Public Finance**

Indian Tax System and Recent changes – GST and its impact on Commerce and Industry – Centre, States financial relations- Recommendations of Recent Finance Commission – Public Expenditure and Public Debt - Fiscal Policy and Budgetary Trends

## **Module- 5 Andhra Pradesh Economy**

The basic characteristics of Andhra Pradesh economy after bifurcation in 2014 – Impact of bifurcation on the endowment of natural resources and state revenue – new challenges to

industry and commerce - the new initiatives to develop infrastructure – Power and Transport - Information Technology and e-governance – Urbanization and smart cities – Skill development and employment –Social welfare programmes.

### Reference Books:

1. Dhingra, I.C., ***Indian Economy***, Sultan Chand, New Delhi, 2014.
2. Gaurav Datt and Ashwani Mahajan, ***Datt and Sundharam's Indian Economy***, S.Chand & Co., 2016.
3. G. M. Meier, ***Leading Issues in Economic Development***, Oxford University Press, New York, 3/e.
4. M. P. Todaro and Stephen C. Smith, ***Economic Development***, 10/e, Indian Edition Published by Dorling Kindersley India Pvt. Ltd. 2012.
5. P. K. Dhar, ***Indian Economy: Its Growing Dimensions***, Kalyani Publishers, Ludhiana, 2018.
6. Reserve Bank of India, ***Handbook of Statistics on Indian Economy*** (Latest).
7. S.K.Misra & V.K.Puri, ***Indian Economy***, Himalaya Publishing House, 2015.
8. R.S.Rao, V.Hanumantha Rao & N.Venu Gopal (Ed.), ***Fifty Years of Andhra Pradesh (1956-2006)***, Centre for Documentation, Research and Communications, Hyderabad, 2007.
9. G. Omkarnath, ***Economics - A Primer for India*** - Orient Blackswan, 2012.
10. A.P Economy- Telugu Academy, 2018

### Recommended Co-curricular Activities:

1. Assignments on specific issues of contemporary importance with reference to problems and remedial policies
2. Student Seminars on leading economic challenges, the effectiveness of relevant policies and programmes
3. Quiz to examine the knowledge and critical understanding of major policies, programmes achievements, failures relating to all sectors
4. Group discussions to promote critical understanding and evaluation capabilities of the students on major areas of Indian and AP economy
5. Group project work to study the implementation and effectiveness of major government schemes of development, poverty eradication and employment promotion etc.,
6. PPT presentation and participation in webinars to help the students acquire and adapt ITC skills in the process of learning

7. Field Visits to Agricultural farm/market/SSIs to understand the ground realities of economic situation of the country and the state

**COURSE– 5(Semester - IV)**  
**STATISTICAL METHODS FOR ECONOMICS**  
**NO. OF CREDITS: 4**

**LEARNING OUTCOMES FOR THE COURSE**

At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills.

1. Remembers and states in a systematic way (Knowledge)
  - a. the definitions, terms and their meaning relating to statistical methods
  - b. various formulae used to measure central tendency, correlation regression and Indices
2. Explains (understanding)
  - a. Importance of statistics and its applications
  - b. The method of classification of primary data
  - c. Uses of Correlation and Regression analysis, time series and index numbers in economic analysis
3. Analyses and solves using given data and information (analysis and evaluation)
  - a. different kinds of statistical problems using various principles and formulae relating to central tendency, correlation, regression, time series and indices
  - b. to interpret data and suggest solutions to economic problems
4. Draws critical diagrams and graphs.
  - a. Histogram, Frequency Polygon and Frequency Curve
  - b. More than cumulative and less than cumulative frequency curves (Ogive)
  - c. Different types of Bar diagrams
  - d. Pie Diagram and its uses in economic analysis

**Module – 1: Nature and Definition of Statistics**

Introduction to Statistics – Definition, scope, importance and limitations of Statistics –  
Primary and Secondary data- Census and Sampling techniques and their merits and demerits

## **Module – 2:Diagrammatic Analysis**

Collection of data - Schedule and questionnaire – Frequency distribution – Tabulation – diagram and graphic presentation of data – Histogram, Frequency Polygon, Cumulative Frequency Curves - Bar Diagrams and Pie Diagram

## **Module – 3:Measures of Central Tendency and Dispersion**

Measures of Central Tendency and Dispersion - Types of averages- Arithmetic Mean, Geometric Mean, Harmonic Mean – Median – Mode – Dispersion - Range, Quartile Deviation, Mean Deviation, Standard Deviation- Coefficient of Variation.

## **Module – 4:Correlation and Regression**

Correlation and Regression - Meaning, Definition and uses of Correlation- Types of Correlation- Karl Pearson's Correlation coefficient - Spearman's Rank Correlation- Regression Equations - utility of regression analysis – Demand forecasting.

## **Module – 5: Time Series and Index Numbers**

Time Series and Index Numbers: Definition and components of Time Series – Measurement of Time Series – Moving Average and the Least Squares Method – Index Numbers - Concepts of Price and Quantity Relatives – Laspeyer's, Paasche's and Fisher's Ideal Index Numbers – Uses and Limitations of Index Numbers.

## **Reference Books:**

1. B. R. Bhat, T. Srivenkataramana and K.S. MadhavaRao (1996): *Statistics: A Beginner's Text*, Vol. I, New Age International (P) Ltd.
2. Goon A.M, Gupta M.K., Das Gupta B. (1991), *Fundamentals of Statistics*, Vol. I, World Press, Calcutta.
3. M. R. Spiegel (1989): *Schaum's Outline of Theory and Problems in Statistics*, Schaum's Outline Series.
4. F. E. Croxton, D. J. Cowden and S. Kellin S (1973), *Applied General Statistics*, Prentice Hall of India. 2.
5. S.P. Gupta, *Statistical Methods* , S. Chand & Co, 1985

6. S. C. Guptha, *Fundamentals of Statistics*, Himalaya Publishing House, Hyderabad.
7. Digambar Patri and D. N. Patri, *Statistical Methods for Economics*, Kalyani Publishers, Ludhiana, 2017.
8. Telugu Academy Book, Parimanathmakapaddathulu (For B.A.).

**Recommended Co-curricular Activities:**

1. Assignments of the application of various statistical methods
2. Student Seminar on themes requiring usage of tables, diagrams, statistical analysis and interpretation
3. Group project work for collection of data on locally relevant economic problems
4. Market survey on demand, supply, sales, prices of different kinds of products like food items, FMCG, other consumable durables etc., etc., and Statistical Analysis- Mini Project and also income elasticity of demand for such products