

SKILL ENHANCEMENT COURSE (2021July-Dec)

ECONOMICS(CBCS)

Semester -III :Data Collection & Presentation(SEC-I-3016)

No of hours/week	Credits	Total No. of Hours	Marks
6	4	60	100

Course Objectives:

1. To make students understand the use of data in Social Science in general and economics in particular
2. To make aware of the types& sources of data.
3. To understand the methods of data collection, preparation & presentation of the data collected meaningfully.
4. To learn the use of excel for data visualisation.

Course Outcomes:

Upon the completion of the course, the students will be able to

1. Understand the use of data in for economic analysis.
2. Get acquainted types of data & various sources of it.
3. Understand how to prepare questionnaires for collecting data & present it meaningfully.
4. Learn the use of MS excel for data visualisation.

Unit	Section	Topic	Lecture hours	Learning outcomes	Pedagogy	Assessment Evaluation
I. Use of Data	1	Use of Data in Social Sceince : Types & Sources of Data	6	The students will have the knowledge about the use of data not only in social science but also in economic analysis.	Lecture/ discussion/ demonstration	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
	2	Methods of Data collection; Population Census vs Sample Surveys; Random sampling	6	They will know the different methods of data collection i.e. Population Census & sample survey.		
2. Questionnaires& Schedules	1	Meaning of Questinnaire & Interview schedule their importance .	8	Will learn about how to frame interview schedules & types & nature of questions to be asked.	Lecture /discussion/ demonstration	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session
3. Presentation of Data	1	Data presentation in tabular formats, use of charts, pie ,bar diagram, bubble diagrams Population Pyramid in MS Excel	10	Will learn MS excel for data presentation & visualization i.e. creating charts ,pie, bar diagrams & population Pyramid	Lecture/ discussion /demonstration	Class Test/Seminar /Assignment/Group Discussion Quiz/Q&A Session

Course teacher: Md.Dr.Asraf Ali.

Signature of HOD

SEMESTER-IV (2022-Jan-June)
DATA ANALYSIS-(SEC-II-4016)

No of hours/week	Credits	Total No. of Hours	Marks
6	4	60	100

Course Objectives:

1. To understand the students about frequency distribution of one variable as well as two variables
2. To understand the learners about the measures of central tendency and measures of dispersion to summarize the frequency distribution of one variable.
3. Know correlation and regression for analysing frequency distribution of two variables.
4. To impart the knowledge of estimating population parameters from sample data.
5. To understand the learners about the Index numbers for measuring average change in price and quantity over time & space.

Course Outcomes:

Course outcome upon completion of this course, students will be able to

1. Understand frequency distribution of one variable as well as two variables.
2. Know the measure of central tendency and measures of dispersion to summarize the frequency distribution of one variable
3. Know correlation and regression for analysing frequency distribution of two variables
4. Acquire knowledge of estimating population parameters from sample data.
5. Measure average change in price and quantity over time and space.

Unit	Section	Topic	Lecture hours	Learning outcomes	Pedagogy	Assessment Evaluation
I	1.	University frequency distributions.	1	Will have a clear understanding distribution of one variable.	Lecture	CIA
	2.	Measures of central tendency, mean, median and mode.	7	Will have the knowledge of how to summarize the frequency distribution with measures of central tendency	Lecture Calculation	Home assignment CIA
	3.	Measures of dispersion; range, mean deviation, standard deviation	7	Will understand various measures of dispersion for analyzing frequency distribution	Lecture Calculation	Formative assignment CIA
II	1.	Bivariate frequency distribution	1	Will learn frequency distribution with two variables	Lecture	CIA
	2.	Correlation	5	Will learn the degree of relationship between two variables.	Lecture Calculation	Home assignment CIA
	3.	Regression	5	Will have the idea on functional relation of two variables and estimation of dependent variable etc.	Lecture Calculation	Formative assignment CIA
III	1.	Estimation of population parameters from sample data	4	Will learn about the methods for estimating population parameters.	Lecture	Formative assessment CIA
	2.	Unbiased estimator for population mean variance	4	Will understand the properties of a good estimator and use of proper estimator to estimate mean and variance	Lecture discussion	Formative assessment CIA
IV	1.	Basic Index number	2	Will have the knowledge of index number& its kind.	Lecture	Formative assessment CIA
	2.	Price index	8	Will understand different types of price index like wholesale price, retail price /consume price.	Lecture calculation	Home assignment CIA
	3.	Quantity Index	6	Will learn agricultural and industrial product index	Lecture calculation	Home assignment CIA

Course Teacher: Md.Dr. Asraf Ali

Signature of HOD