

Lecture Plan							
Name of the College: Government College of Arts, Science and Commerce Sanquelim – Goa.							
Name of Faculty: Ms. Reshma M. Badgier				Subject: ECONOMICS			
Paper code: ECO 221			Program: BA		Division:		
Academic year: 2025-26			Semester: IV		Total Lectures:16		
Course Objectives: The objective of the course is to introduce the students with decision-making tools using spreadsheets.							
Student Learning Outcome: 1. Apply spreadsheet commands and functions in decision-making. 2. . Use advanced spreadsheet techniques for multiproblem solutions.							
Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December 2025	01/12/25	06/12/25		Unit 2: Preliminaries to Decision Analysis: Three-dimensional formulas. The Auditing Tool.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business.
			01				2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.

	08/12/25	13/12/25	01	Sensitivity Analysis with Data Tables.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	15/12/25	20/12/25	01	The Goal Seek Command.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	22/12/25	27/12/25	01	Using the Scenario Manager for Sensitivity Analysis.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	29/12/25	03/01/26	01	The COUNTIF, COUNTIFS, COUNT, COUNTA and COUNTBLANK Functions. The SUMIF, AVERAGEIF, SUMIFS, and AVERAGEIFS Functions.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
January 2026	05/01/26	10/01/26	01	The OFFSET Function	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	12/01/26	17/01/26	01	The INDIRECT Function.	Exercise	Lab Sessions,	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business.

						PPT, smart board.	2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	19/01/26	24/01/26	01	Sorting in Spreadsheets, Tables, Spin Buttons.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	26/01/26	31/01/26	01	Scroll Bars, Option Buttons,	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
February 2026	02/02/26	07/02/26	01	Combo Boxes and Group List Boxes.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	09/02/26	14/02/26	01	Unit 4: Advanced uses of solver decision making: Using Solver for Financial Planning.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	16/02/26	21/02/26	01	Using Solver to Rate Sports Teams.	Exercise	Lab Sessions,	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business.

						PPT, smart board.	2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	23/02/26	28/02/26	01	Warehouse Location and the GRG Multistart and Evolutionary Solver Engines.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
March 2026	02/03/26	07/03/26	01	Warehouse Location and the GRG Multistart and Evolutionary Solver Engines.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	09/03/26	14/03/26	01	Penalties and the Evolutionary Solver.	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	16/03/26	21/03/26	01	Revision	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
	23/03/26	28/03/26	01	Clarification of doubt.	Exercise	Lab Sessions,	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business.

						PPT, smart board.	2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.
April 2026	30/03/26	04/04/26	01	Revision	Exercise	Lab Sessions, PPT, smart board.	1. Winston, W., Microsoft® Excel® 2010: Data Analysis and Business. 2. Introduction to Management Science: Quantitative Approaches to Decision Making, by David Anderson, Dennis J. Sweeney, Thomas Arthur Williams.

Assessment Rubrics

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
SEE	60