

Lecture Plan														
<b>Name of the College: Government College of Arts, Science and Commerce Sanquelim – Goa.</b>														
<b>Name of Faculty:</b> Ms. Reshma M. Badgier				<b>Subject:</b> ECONOMICS										
<b>Paper code:</b> ECO 221				<b>Program:</b> BA		<b>Division:</b>								
<b>Academic year:</b> 2025-26			<b>Semester:</b> IV		<b>Total Lectures:</b> 16									
<b>Course Objectives:</b> The objective of the course is to introduce the students with decision-making tools using spreadsheets.														
<b>Student Learning Outcome:</b>														
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	01	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.  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.
<b>January 2026</b>	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.
<b>February 2026</b>	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		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	Revision 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.
<b>April 2026</b>	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**

<b>Component</b>	<b>Max Marks</b>
ISA 1	7.5
ISA 2	7.5
SEE	60