

UNIVERSITY OF MADRAS  
M.Com. (GENERAL) DEGREE PROGRAMME  
SYLLABUS WITH EFFECT FROM 2023-2024

**Second Year**

**Core-X**

**Semester III**

Course Code	Title of the Course	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
513C31	<b>COMPUTER APPLICATIONS IN BUSINESS</b>		2	-	4	-	4	6	40	60	100

<b>Learning Objectives</b>	
1	To understand the fundamentals of SPSS
2	To compare the values obtained in t-test and ANOVA
3	To perform regression and non-parametric tests
4	To create company, groups and ledgers and obtain financial statements using Tally Prime
5	To understand inventory management and account for goods and services tax

**Course Units**

**UNIT I**

**(18 hrs)**

**Introduction to SPSS**

Opening a data file in SPSS – Variable view – Data view – Entering data into the data editor – Saving the data file– Table creation – Descriptive statistics: Percentile values, Measures of central tendency, Measures of dispersion, Distribution – Cronbach’s Alpha test – Charts and graphs - Editing and copying SPSS output.

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**UNIT II (18 hrs)**

**Parametric Tests in SPSS**

Compare means: One-sample t-test, Independent Samples t-test, Paired-samples t-test and One-way ANOVA, Two-way ANOVA - Correlation: Bi-variate, Partial and Multiple. Simple linear regression.

**UNIT III**

**(18 hrs)**

**Non-parametric Tests in SPSS**

Chi-square test - Mann Whitney's test for independent samples – Wilcoxon matched pairs sample test– Friedman's test– Wilcoxon signed rank test – Kruskal Wallis test

**UNIT IV**

**(18 hrs)**

**Introduction to Accounting Software**

Tally Prime: Introduction – Starting Tally Prime – Creation of a Company - Selecting company - Shutting a company - Altering company– Creating Accounting groups and ledgers – Vouchers – Practical problems for a new and existing business and not-for profit organisation. Accounting reports: Introduction – Displaying Trial balance, Profit and Loss Account, Balance sheet, Day book, Purchase register, Sales register, Cashflow/Funds flow and ratio analysis – Practical problems.

**UNIT V**

**(18 hrs)**

**Inventory and GST in Accounting Software**

Inventory: Introduction to Inventory Masters – Creation of stock group – Creation of Godown – Creation of unit of measurement – Creation of stock item – Entering inventory details in Accounting vouchers – Practical problems. GST: Introduction – Enabling GST – Defining tax details – Entries in Accounting vouchers – View invoice report – Practical problems – Recent Developments in Tally, Zoho etc.

**100% Practical**

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**Course Outcomes**

Students will be able to:

CO No.	CO Statement	Knowledge level
<b>CO 1</b>	Construct data file in SPSS	K3
<b>CO 2</b>	Examine Means of samples	K4
<b>CO 3</b>	Apply non-parametric tests	K3
<b>CO 4</b>	Construct a company, form groups and get automated financial statements	K3
<b>CO 5</b>	Plan for automation of inventory	K3

**Books for study:**

1. Sundara Pandian.P, Muthulakshmi. S &Vijayakumar, T (2022), Research Methodology &Applications of SPSS in Social Science Research, Sultan Chand &Sons, New Delhi
2. Morgan George. A, Barrett C Karen, Leech L Nancy and Gloeckner Gene W (2019),IBM SPSS for Introductory Statistics, Routledge, 6<sup>th</sup>Edition, U.K
3. Official Guide to Financial Accounting using TallyPrime (2021), BPB Publication,Delhi
4. Chheda Rajesh, U (2020), Learn Tally Prime, Ane Books, 4<sup>th</sup>Edition, New Delhi

**Books for reference:**

1. Kulas John, Renata Garcia Prieto Palacios Roji, Smith Adams (2021), IBM SPSS Essentials: Managing and Analysing Social Sciences Data, 2<sup>nd</sup> Edition, John Wiley & Sons Inc., New York
2. Rajathi. A, Chandran. P (2011), SPSS for You, MJP Publishers, Chennai
3. Sangwan Rakesh (2022), Learn Tally Prime in English, Ascend Prime Publication,Pilani
4. Lodha Roshan (2022), Tally Prime with GST Accounting, Law Point Publication,Kolkata

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**Web references:**

1. <https://www.spss-tutorials.com/basics/>
2. <https://www.tallyclub.in/>
3. <https://tallysolutions.com/business-guides/inventory-management-in-tally-erp9/>

Note: Latest edition of the books may be used

**Mapping of course outcomes with POs and PSOs**

	POs						PSOs		
	1	2	3	4	5	6	1	2	3
<b>CO 1</b>	2	3	2	2	3	3	2	3	3
<b>CO 2</b>	3	3	2	2	3	3	2	3	3
<b>CO 3</b>	3	3	2	2	3	3	2	3	3
<b>CO 4</b>	3	3	2	3	3	3	3	3	3
<b>CO 5</b>	3	3	2	3	3	3	3	3	3

High – 3

Medium – 2

Low – 1