

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Textile Designing

Semester: 3

Subject Code 335902

Subject Name COMPUTER APPLICATION

Sr. No.	Course content
1.	Introduction to Computer system and software,
2.	operating environments and Windows
3.	Introduction to CAD, Drawing & Editing drawing
4.	Report Writing using MS-WORD
5.	Worksheet & Graph preparation using MS-EXCEL
6.	Introduction to Internet

OBJECTIVES :

- Understand computer applications and its software requirements.
- Know operating system and its use.
- Use operating system commands.
- Appreciate the use of computerized drafting.
- Identify the main menu and other menu options of AUTOCAD, Window, Word and Excel
- Draw any given Engineering drawing
- Measure length and area of displayed object
- Edit stored drawing
- Edit stored report
- Distinguish different softwares
- Print/Plot the drawing, report, letter.
- Appreciate the concept of Graphics user Interface
- Operate computer system.
- Apply parameter passing techniques using dialouge boxes.
- Understand the economy factor.
- Handle multiple reports.
- Relate different data
- Select the software according to use requirement.
- Print the table/report/drawing

- Transfer the document to other computers using floppy
- Identify the menu/toolbar/dialog box/settings
- Identify different hardware of the computers
- Modify drawings/reports as per requirements.

LABORATORY EXPERIENCES:

Sr. No.	Course content	Treatment
1.	Introduction to the computer system and computer software	Demonstration and use
2.	Introduction to the operating system, file identification, extension, bytes, directory.	“
3.	Introduction to CAD software, Co-ordinate system, ACAD drawing files, save, quit, end	Demonstration and use
4.	Use commands POINT, LINE, P.LINE, OFFSET, ORTHO	“
5.	Draw CIRCLE, ELLIPSE	“
6.	Draw ARC with its various options	“
7.	PDMODE, DIVIDE, MEASURE Command	“
8.	Use of commands like BREAK, TRIM, ERASE, OSNAP, REDRAW	“
9.	Use of commands like UNITS, UCS, LIMITS, SNAP, GRID, ZOOM, PAN	“
10.	Use of commands like PEDIT, DONUT, POLYGON, COPY, MIRROR, MOVE	“
11.	Use of commands like ARRAY, CHAMFER, FILLET, SOLID, OOPS	“
12.	DIMENSION BY DEFAULT & BY REQUIREMENT	“
13.	TEXT BY DEFAULT & STYLE REQUIRED	“
14.	BLOCK, INSERT, MININSERT, HATCH	“
15.	LAYER ,COLOR ,LINETYPE	“
16.	LAYER SETTINGS	“
17.	PRINT DRAWING	“

18.	One drawing Preparation	Assignment
19.	Introduction to WORD processor, data entry, save, quit, retrieve.	Demonstration and use
20.	Basic settings, page layout, sizing, left and right margins, justification, tabulation	“
21.	Editing text using deleting character, word, line, etc. search and replace, cut, copy, paste, move, sort file read and write file.	“
22.	Introduction to worksheet, workbook, cell, row, column, dataentry, open, save, quit, help	“
23.	Editing data, clean, insert, delete/copy/move cell/row/column, formula and function for data entry,	“
24.	Worksheet settings, width of column, colour, heading, hide & display, align data, bold, italics, orientation Freeze cell/row/column, split, sort, filter	“
25.	Chart sheet, save, colour types, legend	“
26.	Prepare a worksheet and preview, page break, margins, header, footer, gridlines. Print a worksheet, workbook, workbook reference,	Demonstration and use “
27.	managing directory and hard disc. Introduction to Internet	“
28.	Introduction to web page language.	“

Reference Books:

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| 1. Mastering AUTOCAD | George Omura |
| 2. Inside AUTOCAD | Raker & Rice |
| 3. MS Office Instant Reference | |
| 4. Windows Inside | Peter Norton |
| 5. Teach Yourself WINDOWS | Al Stevens |
| 6. DOS Instant Reference | |