

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT
COURSE CURRICULUM**

Course Title: Text Generation
(Code: 3325801)

Diploma Programs in which this course is offered	Semester in which offered
Diploma in Printing Technology	Second Semester

1. RATIONALE

In printing Industry every printed product consists of various styles and forms of text portion. Knowledge of Text generation method is used for setting of text. The aim of this course is to develop the knowledge of Typesetting with its suitability of design, subject and the printing process. The knowledge of computer software is used in text generation for fast and effective pre press process.

2. COMPETENCIES

The theory and practical in this course are to be taught in such a way that after completion of this course student should be able to acquire following competencies:

- i. **Apply methods of Typesetting; Type (Font), Typography and Measurement.**
- ii. **Use Computer software like MS word, Page maker, Corel draw for typesetting and formatting of text.**

3. TEACHING AND EXAMINATION SCHEME

Teaching Scheme (In Hours)			Total Credits (L+T+P)	Examination Scheme				
				Theory Marks		Practical Marks		Total Marks
L	T	P	C	ESE	PA	ESE	PA	
4	0	4	8	70	30	40	60	200

Legends: L-Lecture; T – Tutorial/Teacher Guided Theory Practice; P - Practical; C – Credit ESE - End Semester Examination; PA - Progressive Assessment.

Note: It is the responsibility of the institute heads that marks for **PA of theory & ESE and PA of practical** for each student are entered online into the GTU Portal at the end of each semester within the dates specified by GTU.

4. DETAILED COURSE CONTENT

Unit	Major Learning Outcomes	Topics and Sub-topics
Unit – I Introduction	1a. Describe Type faces. 1b. Explain Text Generation with developing stages.	1.1 (i) Introduction of Type face .- Types of letter forms, Face groups and Type Family 1.1 (ii) Function of Type composition : Appropriateness, Readability Vs. Legibility, 1.2 (i) History of manufacturing metal type. 1.2 (ii) Type structure, design and function of type 1.2 (iii) Type measurement and Point system. 1.2 (iv) Cold metal and Hot metal typesetting 1.2 (v) Mechanical Typesetting and Photo type setting
Unit– II Computerized typesetting & Text editing	2a. Describe steps for Computerized type setting 2b. Explain steps for Computerized text editing	Computerized typesetting 2.1 (i) Digital letter forms : Post script, True type, Open type, Font file formats, and functions, Pitfall with fonts. 2.1 (ii) Copy for printing : Verbal copy, Copy marking, copy fitting, digital copy fitting 2.1 (iii) Spacing : Letter, word, Line and Paragraph Spacing 2.1 (iv) Data interfacing, Direct interfacing, Remote interfacing 2.1 (v) Text and graphic Combination and wrapping of text in layout. Computerized Text editing 2.2 (i) Adding and Deleting text 2.2 (ii) Changing Text attributes 2.2 (iii) Type specifications : Font, Size, Style 2.2 (iv) Paragraph setting, Indent / Tab setting 2.2 (v) Spacing 2.2 (vi) Creating and exporting Text files 2.2 (vii) Master page and Templates
Unit– III Proof Reading	3a. Explain process for proof reading	Proof Reading 3.1 Process of proof reading 3.2 Proof readers' signs (Marks) 3.3 Duties of Proof reader
Unit– IV Software for Computerized typesetting	4a. Explain use of MS Word software tools 4b. Explain use of Page maker Software tools 4c. Explain steps for drawing Logo/Monograms on Corel draw software	4.1 Typesetting and formatting using MS Word 4.1 (i) Font, Paragraph, Styles, Clipboard 4.1 (ii) Inserting of Pages, Illustrations, Links, Header and Footer, Text and Symbols 4.1 (iii) Editing and Arranging Themes, Page Setup, Page Background, Paragraph, 4.1 (iv) Setting of Table, Caption, Index, Mailing, 4.2 Typesetting and formatting using Page maker 4.2 (i) Tools of Page maker software. 4.2 (ii) Menus of Page maker software 4.3 Typesetting and formatting using Corel draw

		4.3 (i) Tools of Corel draw software. 4.3 (ii) Menus of Corel draw software 4.3 (iii) Prepare Logo / Monogram using Corel draw software.
--	--	--

5. SUGGESTED SPECIFICATION TABLE WITH HOURS & MARKS (THEORY)

Unit No.	Unit Title	Teaching Hours	Distribution of Theory Marks			
			R Level	U Level	A Level	Total
I.	Introduction.	08	04	05	06	15
II.	Computerized Typesetting and Text Editing	16	08	06	10	24
III.	Proof Reading	08	03	03	04	10
IV.	Software for Computerized typesetting	24	05	07	09	21
Total		56	20	21	29	70

Legends: R = Remember; U = Understand; A = Apply and above levels (Bloom's revised taxonomy)

Note: This specification table shall be treated as only general guideline for students and teachers. The actual distribution of marks in the question paper may vary from above table.

6. SUGGESTED LIST OF EXERCISES/PRACTICAL

The exercises/practical should be properly designed and implemented with an attempt to develop different types of skills so that students are able to acquire above mentioned competencies. Following is the list of exercises/practical/experiments for guidance.

S. No.	Unit No.	Exercises/Practical	Approx Hrs. Required
1	I.	Prepare a chart of Type and its parts.	04
2	II.	Type paragraph including different type format, spacing, alignments etc.	12
3	III.	Make Chart of Proof reading marks. Read the above Proof of above work, mark it with proof reading marks and correct the mistakes.	18
4	IV.	Type more pages including picture/ photograph in MS word software. Prepare pamphlet/Broacher in Page maker program Prepare Visiting Card / Advertisement using Corel draw software. Prepare Logo/Monogram using Corel draw software.	22
Total			56

7. SUGGESTED LIST OF STUDENT ACTIVITIES

- 7.1 Collect various printed samples and Identify software by which they are prepared.
- 7.2 Create as many as possible Logo/Symbol/Monogram of different companies.

8. SUGGESTED LEARNING RESOURCES

A. List of Books

S.No.	Author	Title of Books	Publication
1		Handbook of Print Media	Heidelberg
2		Art & Print Production	
3		A Guide to Graphic Print Production	
4		DTP	Computer world, Ahmedabad

B. List of Major Equipment/ Instrument

Computer System with Internet, LCD Projector

C. List of Software/Learning Websites

- a. MS Office 2007 or Higher
- b. Adobe Page Maker 6.5 or Higher
- c. Corel Draw X3 or Higher

9. COURSE CURRICULUM DEVELOPMENT COMMITTEE

Faculty Members from Polytechnics

- **Prof. B. A. Patel**, Ex. HOD Printing, R. C. Technical Institute, Sola, Ahmedabad.
- **Prof. B. L. Patel**, I/C. HOD, Lecturer in Printing, R. C. Technical Institute, Ahmedabad.

Co-ordinator and Faculty Members from NITTTR Bhopal

- **Dr. Nishith Dubey**, Professor, Dept. of Vocational Education and Entrepreneurship Development