

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN PRINTING TECHNOLOGY**  
**SEMESTER: V**

Subject Name: **Post Press Techniques (Practice)**

**Laboratory Experience:**

| <b>Sr. No.</b> | <b>Description of Laboratory Experiences</b>   |
|----------------|--|
| 1.             | Prepare Different Types of Folders / Brouchers.  |
| 2.             | Prepare Different Types of Files.  |
| 3.             | <b>Practice of Address Book:</b> <ul style="list-style-type: none"><li>- With use of Indexing.</li><li>- Edge Decoration</li><li>- Leather / Resin cover</li><li>- Blocking.</li></ul>   |
| 4.             | Preparation of Primary Container / Carton. (Three Different Types)   |
| 5.             | Preparation of Secondary Container / Carton to contain more Primary Cartons.   |
| 6.             | Maintenance and Working Practice on Different / Advanced binding Machines and equipments.  |
| 7.             | Perform to prepare various Types of Flexible packages with Food grade and other.   |
| 8.             | Application of Various Testing Methods for Different Packages.   |
| 9.             | Creation of Special and innovative Publication / Package / Display product Design.   |
| 10.            | <b>Industrial Visit and Report:</b> <ul style="list-style-type: none"><li>- U. V. Coating.</li><li>- Spot Lamination.</li><li>- Automation in Binding.</li><li>- Flexible Packaging i.e. Pouch making, sleeting / cutting, Labeling, Foil stamping, Hologram, On line numbering.</li><li>- Filling of Materials in Package.</li><li>- Automation in Cartoning.</li></ul> |

## Notes:

1. Term work report content of each experience should also include following.
  - a. Experience description / data and objectives.
  - b. Skill/s which is / are expected to be developed in student after completion of experience.
  - c. Work flow chart of experience.
  - d. The specifications of machines / equipments / devices / instruments which are used to carry out and to check experience.
  - e. Process parameters applied to carry out experience.
  - f. Steps / Process description to execute experience.
  - g. Information on recent machines / equipments / devices / instruments available in market to carry out the experience.
  
2. Term work content of industrial visit report should also include following.
  - a. Brief details of industry visited.
  - b. Type, location, products, rough layout, human resources, etc of industry.
  - c. Details, description and broad specifications of machineries / processes observed.
  - d. Safety norms and precautions observed.
  - e. Student's own observation on Industrial environment, culture and attitude.
  - f. Any other details / observations asked by accompanying faculty.

## Reference Books:

| Sr. No. | Name of Books                                    | Author                        | Publication                          |
|---------|--|-------------------------------|--------------------------------------|
| 1.      | Book Binding for students                        | M. P. Kini                    | Institute of Printing Adiyar Chennai |
| 2.      | Finishing Processes Printing                     | A. G. Martin                  | Focal press London & New York        |
| 3.      | Fundamentals of Packaging                        | F.A. Paine                    |                                      |
| 4.      | Hand book of Packaging engineering               | J. F. Hanlon                  | M.C. Gran Hill                       |
| 5.      | Practice printing & Binding                      | Odham                         | ABC Publication London.              |
| 6.      | Mudran shastra                                   | P. T. Thakkar,<br>A. J. Patel | Uni. Granth Nirman Board Ahmedabad   |
| 7.      | Book Binding by Hand                             | Lawrance Tom                  | Fabre & Fabre co.                    |
| 8.      | Basic Book Binding                               | A. W. Lodis                   | Dover Publication New york           |
| 9.      | Binding and Finishing                            | B. D. Mendiratta              | Printek Publication New Delhi 55     |
| 10.     | Book Binding                                     | Arther V Johnson              | Cox & Wyma USA                       |
| 11.     | A Hand Book of printing and packaging Technology | Bishwanath Chakravarty        | Galgotia Publication Pvt. Ltd.       |