

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E Semester: 3

DIPLOMA IN PRINTING TECHNOLOGY

Subject Code 335806

Subject Name PRINT IMAGING TECHNIQUE

Sr.No	LABORATORY EXPERIENCES
1.	Prepare a Silk Screen Stencil for Line job.
2.	Prepare a Silk Screen Stencil for Text matter job.
3.	Prepare a Silk Screen Stencil for Multicolour job.
4.	Working Practice for Various plate processing equipments / Machines.
5.	Prepare a Negative working Wipe on Plate.
6.	Prepare a Positive Working Pre Sensitised Plate.
7.	Prepare a Paste up (with Key layout) for negative working wipe on plate.
8.	Prepare a paste up (with Key layout) for positive working pre sensitized (P. S.) Plate.
9.	Prepare Sheet work and Half sheet work imposition scheme Layout.
10.	Industrial Visit & Report. <ul style="list-style-type: none">- Automatic Plate processor.- Computer to plate (CTP) process.

NOTES:

1. Term work report content of each experience should also include following.

- Experience description / data and objectives.
- Skill/s which is / are expected to be developed in student after completion of experience.
- Work flow chart of experience.
- The specifications of machines / equipments / devices / instruments which are used to carry out and to check experience.
- Process parameters applied to carry out experience.
- Steps / Process description to execute experience.
- 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	Publisher
1.	A Hand Book of Printing & Packaging	Bishwanath Chakravarty	Galgotia
2.	Lithographers Manual	---	GATF
3.	Film Assembling & Plate Making	Catehouse & Roper	GATF
4.	Offset Plate Making	---	-- do --
5.	Photomechanics & Printing	Mertle & Others	VNR, USA
6.	Offset Platemaking (Alb + Deep etch)	AIFMP	New Delhi
7.	Formulay	-- do --	-- do --