GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD, GUJARAT
COURSE CURRICULUM

COURSE TITLE: COMPUTER AIDED TEXTILE DESIGN
COURSE CODE: (3345902)

COURSE CODE	COURSE TITLE	TEACHING SCHEME/WEEK			CREDITS (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
						THEORY		PRACTICAL		
		L	T	P		ESE	PA	ESE	PA	
3345902	COMPUTER AIDED TEXTILE DESIGN	0	0	10	10	0	0	80	120	200

Sr.No	Course content
1	General introduction to types of CAD and specific CAD usage for textile designing.
2	Usage of CAD in printing designing.
3	Printing CAD systems used for 　a. Tracing 　b. Designing
4	Usage of CAD in weaving designing.
5	Knowledge of Corel Draw software
6	Knowledge of Phtoshop software.

PRACTICALS:

1. Input of design (Digitizing) or (Scanning).

2. Preparation of design (Repeat setting)

3. Separation of color in three methods
   (a) Per color method (Conventional).
   (b) Per color half toning method (For water effect)
   (c) Photography method (CMYK separations)

4. Editing of separate plates.

5. Setting plate repeat size. (76 cms or 64.2 inches)

6. Output of tracing (printing or plotting)