

DCS BASED SIMULATOR LAB

(Skill Based Lab Elective-2)

COURSE CODE: 15CH11S3	L	T	P	C
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COURSE OUTCOMES:

At the end of the course the student shall be able to

- CO 1** Analyze trends with respect to different variables in operation of equipments
- CO 2** Understand the behavior of Instruments/Controllers when operated in Local/Remote & Auto/Manual mode
- CO 3** Quickly identify and rectify the malfunction occurred and acknowledge the alarms
- CO 4** Understand and implement the procedures for start-up and shut-down of a plant
- CO 5** Operate a plant to equilibrium condition for a change given in a variable

LIST OF EXPERIMENTS/PROGRAMMES:

- 1) Run the binary distillation column for a binary system
- 2) Run the heat exchanger equipment
- 3) Run the Absorber column
- 4) Run the stirred tank reactor
- 5) Run the filtration and dryer equipments