

## Gujarat Technological University

No.GTU/syllabus/1205/10-11

Date:17/02/11

### Circular

**Sub: Revised list of Diploma Electrical Sem –VI subject Microprocessor  
And Control System Component laboratory experiences**

As per the senior faculty opinion few Laboratory experience are replaced for the subject: - Microprocessor And Control System Component in the VI<sup>th</sup> Semester, Diploma Electrical Engineering .Refer the Revised list of Laboratory Experiences.

For the said subject and inform concerned faculty to conduct practicals as per revised list. Kindly confirm the receipt of e-mail at [cdc@gtucolleges.in](mailto:cdc@gtucolleges.in) without fail.

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I/C Registrar

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN ELECTRICAL ENGINEERING**  
**SEMESTER- VI**

**Subject Name: MICROPROCESSOR AND CONTROL SYSTEM  
COMPONENT**

**Revised List of Laboratory Experiences:**

- (1) Control of angular displacement using Synchro.
- (2) Study of AC and DC servo motor.
- (3) Use tachogenerator for automatic speed control of D.C. motor
- (4) Study of basic control action and controller.
- (5) Various servo stabiliser for automatic voltage control and study/ trace its control circuit.
- (6) Study of stepper motor.
- (7) Use microprocessor for temperature control.
- (8) Use microprocessor for S.C.R. firing control.
- (9) Study of architecture of 8085.
- (10) Study of data acquisition system.