

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN POWER ELECTRONICS**

**PROPOSED TEACHING SCHEME**

**Semester V**

| SR. No. | SUBJECT                           | TEACHING SCHEME(HOURS) |          |           | CREDITS   |
|---------|-----------------------------------|------------------------|----------|-----------|-----------|
|         |                                   | THEORY                 | TUTORIAL | PRACTICAL |           |
| 1       | Electrical Drives and Control - I | 4                      | 0        | 2         | 6         |
| 2       | Applied Power Electronics         | 4                      | 0        | 0         | 4         |
| 3       | Power Electronics Circuits        | 4                      | 0        | 0         | 4         |
| 4       | Power Electronics Practice        | 0                      | 0        | 4         | 4         |
| 5       | Control System                    | 4                      | 0        | 2         | 6         |
| 6       | Power System Protection           | 4                      | 0        | 2         | 6         |
|         | <b>Total</b>                      | <b>20</b>              | <b>0</b> | <b>10</b> | <b>30</b> |