



# SARDAR PATEL UNIVERSITY BALAGHAT

## CREDIT BASED GRADING SYSTEM

Four Year B.Tech in Electrical Engineering (EE)

Academic session 2023-24 & Onwards

### IVth YEAR VIIIth SEMESTER ( B.TECH )

| S.N. | COURSE CODE      | COURSE TITLE                | Maximum Marks Allotted |             |           |            | Total      | Contact Hours per week |          |           | Total Credit |
|------|------------------|-----------------------------|------------------------|-------------|-----------|------------|------------|------------------------|----------|-----------|--------------|
|      |                  |                             | Theory                 |             | Practical |            |            | L                      | T        | P         |              |
|      |                  |                             | CAT II (ESE)           | CAT I (MSE) | End       | Lab work   |            |                        |          |           |              |
| 1    | <b>BEE 801</b>   | Control System              | 70                     | 30          | —         | —          | 100        | 3                      | 1        | —         | 4            |
| 2    | <b>BEE 802</b>   | Power System Protection     | 70                     | 30          | —         | —          | 100        | 3                      | 1        | —         | 4            |
| 3    | <b>Ref Table</b> | Elective –III               | 70                     | 30          | —         | —          | 100        | 3                      | 1        | —         | 4            |
| 4    | <b>Ref Table</b> | Elective -IV                | 70                     | 30          | —         | —          | 100        | 3                      | 1        | —         | 4            |
| 5    | <b>BEE 803P</b>  | Major Project               | —                      | —           | 50        | 50         | 100        | 3                      | 1        | —         | 4            |
| 6    | <b>BEE 804P</b>  | Modeling & Simulation Lab   | —                      | —           | 20        | 30         | 50         | —                      | —        | 2         | 1            |
| 7    | <b>BEE 801P</b>  | Control System Lab          | —                      | —           | 20        | 30         | 50         | —                      | —        | 2         | 1            |
| 8    | <b>BEE 802P</b>  | Power System Protection Lab | —                      | —           | 20        | 30         | 50         | —                      | —        | 2         | 1            |
| 9    | <b>BEE805P</b>   | Professional Activity       | —                      | —           | —         | 50         | 50         | —                      | —        | 2         | 1            |
|      |                  |                             | <b>280</b>             | <b>120</b>  | <b>90</b> | <b>160</b> | <b>700</b> | <b>15</b>              | <b>5</b> | <b>10</b> | <b>25</b>    |

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| 1 Hr Lecture    | 1 Hr Tutorial   | 2 Hr Practical  |
| <b>1 Credit</b> | <b>1 Credit</b> | <b>1 Credit</b> |

|           |                    |
|-----------|--------------------|
| <b>PA</b> | Mooc/Swayam Course |
|-----------|--------------------|

|                 |            |
|-----------------|------------|
| THEORY MARKS    | 400        |
| PRACTICAL MARKS | 200        |
| <b>Total</b>    | <b>700</b> |

|                   |           |
|-------------------|-----------|
| Theory Credits    | 20        |
| Practical Credits | 5         |
| <b>Total</b>      | <b>25</b> |

| <b>ELECTIVE-III</b>                    |
|--|
| BEE-8301 Advanced Electrical drives    |
| BEE-8302 Process Control               |
| BEE-8303 Computer Application to Power |

| <b>ELECTIVE-IV</b>                                   |
|--|
| BEE-8401 Renewable & Non Conventional Energy Systems |
| BEE-8402 Power System Planning & reliability         |
| BEE-8403 EHVAC and DC Transmission                   |