

**Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur**  
(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

**Teaching and Examination Scheme**

**B.Tech. Electrical Engineering (EE)**

| Sr. No. | Course | YEAR | SEM. | Course Code     | Course Name                                                           | Category | Teaching Scheme |   |   | Exam Hrs. | Marks        |     |       | Credit |
|---------|--------|------|------|-----------------|-----------------------------------------------------------------------|----------|-----------------|---|---|-----------|--------------|-----|-------|--------|
|         |        |      |      |                 |                                                                       |          | L               | T | P |           | CIE          | SEE | Total |        |
| 1       | EE     | II   | III  | HSUL301/HSUL302 | Managerial Economics and Financial Accounting/Technical Communication | HSMC     | 1               | 0 | 0 | 3         | 40           | 60  | 100   | 1      |
| 2       | EE     | II   | III  | MAUL302         | Advanced Engineering Mathematics-I                                    | BSC      | 3               | 0 | 0 | 3         | 40           | 60  | 100   | 3      |
| 3       | EE     | II   | III  | EEUL301         | Electrical Measurement & Instrumentation                              | PCC      | 3               | 0 | 0 | 3         | 40           | 60  | 100   | 3      |
| 4       | EE     | II   | III  | EEUL302         | Generation of Electrical Power                                        | ESC      | 2               | 0 | 0 | 3         | 40           | 60  | 100   | 2      |
| 5       | EE     | II   | III  | EEUL303         | Circuit Analysis-I                                                    | PCC      | 3               | 0 | 0 | 3         | 40           | 60  | 100   | 3      |
| 6       | EE     | II   | III  | EEUL304         | Analog Electronics                                                    | ESC      | 2               | 0 | 0 | 3         | 40           | 60  | 100   | 2      |
| 7       | EE     | II   | III  | EEUL305         | Electrical Machine-I                                                  | PCC      | 3               | 0 | 0 | 3         | 40           | 60  | 100   | 3      |
| 8       | EE     | II   | III  | EEUP320         | Analog Electronics Lab                                                | PCC      | 0               | 0 | 3 | 3         | 60           | 40  | 100   | 1.5    |
| 9       | EE     | II   | III  | EEUP321         | Electrical Machine Lab-I                                              | PCC      | 0               | 0 | 3 | 3         | 60           | 40  | 100   | 1.5    |
| 10      | EE     | II   | III  | EEUP322         | Computer Programming Lab (C++)                                        | ESC      | 0               | 0 | 3 | 3         | 60           | 40  | 100   | 1.5    |
| 11      | EE     | II   | III  | EEUP323         | Electrical Circuit Design Lab                                         | PCC      | 0               | 0 | 3 | 3         | 60           | 40  | 100   | 1.5    |
| 12      | EE     | II   | III  | EEUT330         | Industrial Training                                                   | PSIT     | 0               | 0 | 2 | 3         | 60           | 40  | 100   | 1      |
| 13      | EE     | II   | III  | EEUA300         | SODECA                                                                | SODECA   | -               | - | - | -         | -            | -   | 100   | 0.5    |
| 14      | EE     | II   | III  | NU99.4/ NU99.5  | Technical Training/ Soft Skills Training                              | NC       | -               | - | - | -         | -            | -   | 100   | 0      |
|         |        |      |      |                 |                                                                       |          |                 |   |   |           | Total Credit |     |       | 24.5   |

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|---------|--------|------|------|-----------------|-----------------------------------------------------------------------|----------|-----------------|---|---|-----------|---------------------|-----|-------|-------------|
|         |        |      |      |                 |                                                                       |          | L               | T | P |           | CIE                 | SEE | Total |             |
| 1       | EE     | II   | IV   | HSUL401/HSUL402 | Managerial Economics and Financial Accounting/Technical Communication | HSMC     | 1               | 0 | 0 | 3         | 40                  | 60  | 100   | 1           |
| 2       | EE     | II   | IV   | MAUL401         | Advanced Engineering Mathematics-III                                  | BSC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 3       | EE     | II   | IV   | EEUL401         | Circuit Analysis-II                                                   | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 4       | EE     | II   | IV   | EEUL402         | Signal and Systems                                                    | PCC      | 2               | 0 | 0 | 3         | 40                  | 60  | 100   | 2           |
| 5       | EE     | II   | IV   | EEUL403         | Electrical Machine-II                                                 | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 6       | EE     | II   | IV   | EEUL404         | Power Electronics                                                     | PCC      | 3               | 0 | 0 | 3         | 40                  | 60  | 100   | 3           |
| 7       | EE     | II   | IV   | EEUL405         | Digital Electronics                                                   | PCC      | 2               | 0 | 0 | 3         | 40                  | 60  | 100   | 2           |
| 8       | EE     | II   | IV   | EEUP420         | Electrical Machine Lab-II                                             | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 9       | EE     | II   | IV   | EEUP421         | MATLAB Programming Lab                                                | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 10      | EE     | II   | IV   | EEUP422         | Digital Electronics Lab                                               | PCC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 11      | EE     | II   | IV   | EEUP423         | Electrical Measurement lab                                            | ESC      | 0               | 0 | 3 | 3         | 60                  | 40  | 100   | 1.5         |
| 12      | EE     | II   | IV   | EEUA400         | SODECA                                                                | SODECA   | -               | - | - | -         | -                   | -   | 100   | 0.5         |
| 13      | EE     | II   | IV   | NU99.4/ NU99.5  | Technical Training/ Soft Skills Training                              | NU       | -               | - | - | -         | -                   | -   | 100   | 0           |
|         |        |      |      |                 |                                                                       |          |                 |   |   |           | <b>Total Credit</b> |     |       | <b>23.5</b> |