

**DR. A.P.J. ABDUL KALAM TECHNICAL  
UNIVERSITY, UTTAR PRADESH, LUCKNOW**



**Evaluation Scheme & Syllabus**

**For**

**B. Tech. 4<sup>th</sup> Year**

**Electrical Engineering**

**&**

**Electrical and Electronics Engineering**

**on**

**AICTE Model Curriculum & NEP2020**

**[Effective from the Session: 2025-26]**

**Electrical Engineering,  
Electrical and Electronics Engineering**

**EVALUATION SCHEME - B. TECH 4th YEAR**

| SEMESTER- VII |        |                                                     |                |          |          |           |                   |    |       |     |    |    |            |           |
|---------------|--------|-----------------------------------------------------|----------------|----------|----------|-----------|-------------------|----|-------|-----|----|----|------------|-----------|
| S. No.        | Code   | Subject                                             | Learning Mode  | LTP      |          |           | Evaluation Scheme |    |       |     |    |    | Total      | Credit    |
|               |        |                                                     |                | L        | T        | P         | CT                | TA | Total | PS  | TE | PE |            |           |
| 1             | BEE701 | Power System Protection                             | Offline        | 3        | 0        | 0         | 20                | 10 | 30    | -   | 70 | -  | 100        | 3         |
| 2             | BEE07* | Departmental Elective-IV                            | Offline        | 3        | 0        | 0         | 20                | 10 | 30    | -   | 70 | -  | 100        | 3         |
| 3             | BOE**  | Open Elective-II                                    | Offline/ MOOCs | 3        | 0        | 0         | 20                | 10 | 30    | -   | 70 | -  | 100        | 3         |
| 4             | BEE751 | Power Systems Protection Lab                        | Offline        | 0        | 0        | 2         | -                 | -  | -     | 50  | -  | 50 | 100        | 1         |
| 5             | BEE752 | Mini Project or Internship Assessment*              |                | 0        | 0        | 4         | -                 | -  | -     | 100 | -  | -  | 100        | 2         |
| 6             | BEE753 | Project I                                           |                | 0        | 0        | 10        | -                 | -  | -     | 150 | -  | -  | 150        | 5         |
| 7             | BEE754 | Startup and Entrepreneurial Assessment <sup>#</sup> |                | 0        | 0        | 4         | -                 | -  | -     | 100 | -  | -  | 100        | 2         |
|               |        | <b>Total</b>                                        |                | <b>9</b> | <b>0</b> | <b>20</b> |                   |    |       |     |    |    | <b>750</b> | <b>19</b> |

\*The Mini Project or internship (4 - 6 weeks) conducted during summer break after VI semester and will be assessed during VII semester.

<sup>#</sup> [The Startup and Entrepreneurial activity assessment will be done in 7<sup>th</sup> semester under which a student will have to undergo a startup/ Entrepreneurial activity of at least 60 hours till 6<sup>th</sup> semester.](#)

**Departmental Elective – IV**

BEE071: Energy Conservation & Auditing.  
 BEE072: HVDC & AC Transmission  
 BEE073: Power Quality and FACTS  
 BEE074: Electric Drives  
 BEE075: Utilization Of Electrical Energy & Electric Traction

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**EVALUATION SCHEME - B. TECH 4th YEAR**

| SEMESTER- VIII |        |                   |               |          |          |           |                   |    |       |     |    |     |            |           |
|----------------|--------|-------------------|---------------|----------|----------|-----------|-------------------|----|-------|-----|----|-----|------------|-----------|
| S. No.         | Code   | Subject           | Learning Mode | Periods  |          |           | Evaluation Scheme |    |       |     |    |     | Total      | Credit    |
|                |        |                   |               | L        | T        | P         | CT                | TA | Total | PS  | TE | PE  |            |           |
| 1              | BOEM** | Open Elective-III | MOOCs         | 3        | 0        | 0         | 20                | 10 | 30    | 30  | 70 | -   | 100        | 3         |
| 2              | BOEM** | Open Elective-IV  | MOOCs         | 3        | 0        | 0         | 20                | 10 | 30    | 30  | 70 | -   | 100        | 3         |
| 3              | BEE851 | Project-II        |               | 0        | 0        | 18        | -                 | -  | -     | 100 | -  | 350 | 450        | 10        |
|                |        | <b>Total</b>      |               | <b>6</b> | <b>0</b> | <b>18</b> |                   |    |       |     |    |     | <b>650</b> | <b>16</b> |

The Internal Assessment of MOOCs will be done by the respective institute and the External Assessment (End Semester Examination) will be done by the University.