



4-Year Bachelor of Technology (B.Tech.) Curriculum
and Syllabus for Electrical Engineering with AI
Second Semester

| Course Code | Course Title | Contact Hrs. / Week | | | Credit |
|----------------------|---|---------------------|---|---|-----------|
| | | L | T | P | |
| Theory | | | | | |
| TIUFY-201 | Career Advancement - Skill Development: Electrical Circuit Analysis with AI | 2 | 0 | 0 | 2 |
| TIUFY-202 | Mathematics-II | 3 | 1 | 0 | 4 |
| TIUFY-203 | Engineering Chemistry | 3 | 0 | 0 | 3 |
| TIUFY-204 | Engineering Mechanics | 3 | 0 | 0 | 3 |
| TIUFY-205 | Basic Electrical and Electronics Engineering | 2 | 1 | 0 | 3 |
| TIUFY-206 | Problem Solving and Programming Using C | 2 | 1 | 0 | 3 |
| Practical | | | | | |
| TIUFY-293 | Chemistry Laboratory | 0 | 0 | 2 | 2 |
| TIUFY-294 | Introduction to Manufacturing Process Lab | 0 | 0 | 2 | 1 |
| TIUFY-295 | Basic Electrical Engineering Lab & Simulation | 0 | 0 | 3 | 2 |
| TIUFY-296 | Programming in C Lab | 0 | 0 | 3 | 2 |
| Sessional | | | | | |
| TIUFY-281 | Entrepreneurship Skill Development-II | 0 | 0 | 4 | 3 |
| Total Credits | | | | | 28 |