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6th Semester — Complete Examination Scheme (Normal Pathway)

BTEUP Diploma in Electrical Engineering • 6th Semester • Session 2026-27
Semester total 650 Marks • 20 Credits • (Q) = qualifying only, marks not counted for percentage/division • An Industrial Pathway is also offered (see below)

About this document: The full 6th-semester study and evaluation scheme (normal pathway) as printed in the curriculum. (Q) subjects are compulsory to appear and pass, but their marks are not included for percentage and division. The 6th semester is also offered as an Industrial Pathway (one semester of industrial training/internship, optional along with usual classroom training).

Examination Scheme

Code	Paper	Type	L - P	Credits	Internal	External	Total
6.1	Building Electrification	Practicum	2 - 4	4	60	40 (3 hrs)	100
6.2	Entrepreneurship and Start-Ups	Theory	2 - 0	2	40	60 (3 hrs)	100
6.3	In-House Project	Project	4 - 16	12	240	160	400
6.4	Advance Skill Development (Open Elective-3) (Q)	Theory	2 - 0	2	50	—	N/A
#	Student Centred Activities (SCA)	Activity	0 - 6	—	50	—	50

6th Semester Total (Normal Pathway)	20	390	260	650
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Open Elective-3 (6.4) — Options

Theory courses (choose one): (1) Project Management; (2) Internet of Things.

Certification courses (choose one, not less than 20 hrs, offline/online, from agencies of repute): courses conducted by Centre of Excellence (e.g. Tata Technologies — see Annexure 1), Infosys Springboard, TCS iON, other relevant government / international / national organisations or platforms of repute, AICTE-ELIS and Centrally Funded Technical Institutes, C-DAC, NIELIT.

6th Semester — Industrial Pathway (alternative to the normal pathway)

The industrial training tenure should not be less than 14 weeks. The industry must be registered with MSME / Directorate of Industries / Limited Organization / State / Central Government establishments. Monthly progress reports of the intern/trainee should be attested and forwarded by the industrial supervisor during the internship/training. The institute deposes one faculty member as mentor for at least 20–30 students. “Entrepreneurship and Start-up” is also mandatory in industrial internship/training mode, conducted online by the polytechnic; after completing the online course, students must appear for the exam conducted by the Board of Technical Education, Lucknow.

Code	Subject	Credits	Internal	External	Total
6.1	Entrepreneurship and Start-Ups (Online Mode)	2	100	—	100
6.2	Industrial Hands-on Practice	12	150 (faculty mentor)	200 (industry)	350
6.3	Industrial Project	4	50 (faculty mentor)	50 (industry)	100
6.4	Seminar	2	100	—	100
	Total	20			650

Industrial Hands-on Practice, Industrial Project and seminar are evaluated on the basis of the AICTE Internship Policy: Guidelines and procedures (Chapter 9). The seminar is evaluated through a seminar presentation / viva-voce at the institute, based on the training report, before an expert committee constituted by the concerned department.

Student Centred Activities (SCA) — 50 Marks

Co-curricular activities like extension lectures, games, hobby clubs (e.g. photography), seminars, declamation contests, educational field visits, N.C.C., NSS, library, cultural activities and self-study. Marks distribution: 15 marks general behaviour and discipline; 10 marks attendance (75–80% = 6, 80–85% = 8, above 85% = 10); even-semester activities (25 marks maximum): Sports/NCC/Cultural/Co-curricular/NSS activities (State/National level participation, participation in two of the above activities, Inter-Polytechnic level participation).

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Source: BTEUP 3rd Year curriculum (folder2627), approved in C.D.C. meeting held on 16.07.2026. Topic lists follow the official syllabus; short explanations are the author's own plain-English summaries, not syllabus text.

Please confirm with your own polytechnic for any local changes.

