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Project & Student Centred Activities — 6th Semester (Normal Pathway)

BTEUP Diploma in Electronics Engineering • 6th Semester • Session 2026-27
Subject 6.4 (Project) 400 Marks • SCA 50 Marks • Total 450 Marks • Normal Pathway

Note: No detailed project syllabus (objectives, content, evaluation break-up) is given in the PDF — only the scheme-table entry below. The Industrial Pathway is an alternative to this normal pathway; see the extra section.

Examination Scheme

Code	Paper	Type	L - P	Credits	Internal	External	Total
6.4	Project	Project	4 - 16	12	Practical 240	Practical 160	400
—	Student Centred Activities (SCA)	Activity	0 - 6	—	50	—	50
Project + SCA Total				12	290	160	450

Industrial Pathway — the alternative to the Normal Pathway (6th Semester)

Instead of the normal pathway, a student may take the Industrial Pathway (one-semester industrial training/internship). Its scheme is: 6.1 Entrepreneurship and Start-Up (Online Mode) — 2 credits, external theory 100 (3 hrs), total 100; 6.2 Industrial Hands-on Practice — 12 credits, internal 150* (faculty mentor) + external 200** (industry), total 350; 6.3 Industrial Project — 4 credits, internal 50* + external 50**, total 100; 6.4 Seminar (in-house) — 2

credits, internal 100, total 100. Pathway total: 20 credits, 650 marks. Notes from the PDF: (1) the industrial training tenure should not be less than 4 months; (2) “Entrepreneurship and Start-Up” is mandatory in the industrial training option, taught in contact mode by the student’s polytechnic institute, and after completing the online course the student must appear for a separate exam conducted by the Board of Technical Education, Lucknow; (3) the student must attend a seminar at his/her polytechnic institute after training to earn 2 credits; (4) a monthly progress report attested by the industrial authority must be submitted during training; (5) the industrial unit must evaluate the student using the format provided by the polytechnic, in both credits and marks; (7) *Evaluation by faculty mentor — the institute deposes one faculty member for mentoring at least 20–30 students; mentors monitor, guide and counsel, and may make surprise visits to check the student’s presence; (8) **Evaluation by industry — the industry assesses attendance, discipline and punctuality, familiarity of tools and material, engineering skills, application of knowledge and problem-solving skills, comprehension and observation, professional ethics, safety and environmental consciousness, communication skills, supervisory skills and general conduct; (9) evaluation through seminar presentation/viva-voce at the institute before an expert committee. (Caution: the scheme-table numbers 6.2/6.3/6.4 mean different subjects in the two pathways — Normal: 6.2 Elective (Pathway), 6.3 Elective (Specialisation), 6.4 Project; Industrial: 6.2 Industrial Hands-on Practice, 6.3 Industrial Project, 6.4 Seminar.)

Student Centred Activities (SCA) — 50 Marks

A provision for overall personality development, including co-curricular activities such as extension lectures, games, hobby clubs (for example photography, painting and singing), seminars, declamation contests, educational field visits, NCC, NSS, library work, cultural activities and self-study. Maximum marks 50, distributed as: (i) 15 marks for general behaviour and discipline (by HODs in consultation with all teachers of the department); (ii) 10 marks for attendance — 75–80% = 6 marks, 80–85% = 8 marks, above 85% = 10 marks; (iii) 25 marks maximum in an even semester for Sports/NCC/Cultural/Co-curricular/NSS activities — State/National level participation, participation in two of the above activities, or Inter-Polytechnic level participation.

Reference Books

Reference books are not listed for this subject in the official syllabus.

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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.