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Project & Student Centred Activities — 6th Semester

BTEUP Diploma in Civil Engineering • 6th Semester • Session 2026-27
Subject 6.4 (Project) 400 Marks • SCA 50 Marks • Total 450 Marks • 12 Credits

Note: The subject header in the PDF says L - T - P = - - 12, while the 6th-semester scheme says L 4 - P 16 (used here). The internal assessment criteria listed in the PDF add up to 290, not the printed total of 240 — see extra. The project selected in the 5th semester is continued in the 6th semester.

Examination Scheme

Code	Paper	Type	L - P	Credits	Internal	External	Total
6.4	Project (Industry Internship or Major Project)	Practical	4 - 16	12	Practical 240	Practical 160 (3 hrs)	400
—	Student Centred Activities (SCA)	Activity	0 - 8	—	50	—	50
Project + SCA Total				12	290	160	450

Project — What It Is

Major projects for civil engineering diploma students are essential because they provide advantages like: applying theoretical knowledge to real-world problems; developing critical skills like problem-solving and teamwork; providing hands-on experience with tools and technologies; encouraging innovation and creativity; preparing students for their careers by demonstrating initiative and independence; familiarising students with industry standards.

Note: the project selected in the 5th semester will be continued in the 6th semester. As a major project activity each student is supposed to study the operations at site and prepare a detailed project report of the observations / processes / activities by him/her. The students should be guided by the respective subject teachers. Each teacher may guide a group of 4 to 5 students. The teachers along with field supervisors/engineers will conduct performance assessment of students.

Project Assessment — Internal (240 Marks as printed)

- Attendance and punctuality — 40
- Project Progress Presentation-I — 50
- Project Progress Presentation-II — 50
- Project Model & final Presentation — 90
- Report Writing — 60

Discrepancy in the PDF: these five criteria add up to 290 (40 + 50 + 50 + 90 + 60), not the printed total of 240. The scheme gives the project 240 internal + 160 external = 400 marks.

Sixth Semester — Industrial Pathway (Alternative to Classroom Route)

The 6th semester may instead be done as a one-semester **Industrial Training / Internship pathway** (optional, along with usual classroom training). Total: 20 credits, 650 marks. (1) **6.1 Entrepreneurship and Start-ups (ONLINE mode)** — Humanities & Social Science (Theory), 100 marks, external theory exam of 3 hrs conducted by the Board of Technical Education, Lucknow; this course is mandatory in the industrial mode and is conducted online by the student's polytechnic. (2) **6.2 Industrial Hands On Practice** — Industrial Training, 350 marks (150* evaluated by faculty mentor + 200** evaluated by industry). (3) **6.3 Industrial Project** — Industrial Training, 100 marks (50* faculty mentor + 50** industry). (4) **6.4 Seminar** — in-house, 100 marks internal, seminar presentation / viva-voce at the institute before an expert committee. **Rules:** the industrial training tenure should not be less than 14 weeks; the industry must be registered with MSME / Directorate of Industries / Limited Organisation / State/Central Government establishments; monthly progress reports of the intern/trainee should be attested and forwarded by the industrial supervisor during the internship; the industrial unit/organisation must evaluate students using the format provided by the polytechnic in the form of marks; the Industrial Hands On Practice, Industrial Project and Seminar must be evaluated on the basis of the AICTE Internship Policy: Guidelines and Procedures (Chapter 9, Procedures/format for organising internship). The institute will depute one faculty member as mentor for at least 20–30 students; mentors may make a surprise visit to the internship site to check the student's presence physically. 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.

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 for SCA: 50, distributed as: (i) 15 marks for general behaviour and discipline (by HODs in consultation with all the 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 for sports / NCC / cultural / co-curricular / NSS activities — 25 for state/national level participation, 20 for participation in two of the above activities, 15 for inter-polytechnic level participation. Note: there should be no marks for attendance in the internal sessional of different subjects.

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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.

