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Summer Internship-I — Complete Syllabus

BTEUP Diploma in Mechanical Engineering • 3rd Semester • Session 2026–27
Subject 3.8 (Practical) • Total 50 Marks • 1 Credit • 4 Weeks after 2nd Semester

About this subject: Summer Internship-I is 4 weeks of guided industrial training done during the semester break **after the 2nd semester examinations** — but it is assessed in the 3rd semester, for 50 internal marks and 1 credit. There is no external examination: your marks come from your training report, presentation and viva, plus your conduct during training.

Examination Scheme

Code	Paper	Type	L P	Credits	Internal	External	Total
3.8	Summer Internship-I (4 weeks after IInd Sem.)	Practical	—	1	50	—	50
Summer Internship-I Total				**1**	**50**	**—**	**50**

What This Subject Aims To Do

Industrial training gives students an opportunity to experience the environment and culture of industrial production units and the commercial activities undertaken in field organisations. It prepares students for their future role as diploma engineers in the world of work and enables them to integrate theory with practice — seeing, in a real factory or organisation, the machines, materials and processes they have only read about in class.

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How the Internship Works

Guided and supervised industrial/summer training of **4 weeks** duration, organised during the semester break starting after the first year, i.e. after the 2nd semester examinations. The concerned HODs, along with other teachers, guide and help students in arranging appropriate training places relevant to their specific branch. A training schedule is drawn up for each student before starting, in consultation with the training providers. Students are briefed in advance about the organisational setup, product range, manufacturing process, and the important machines and materials used in the training organisation.

Supervision matters as much as guidance: teachers supervise the students' training in the industry/organisation. Students are encouraged to write a daily report in their diary, which enables them to write the final report and its presentation later on.

How Internship-I Is Marked (50 Marks)

Evaluation Component	Weightage
Punctuality and regularity	15%
Initiative in learning new things	15%
Presentation and viva	15%
Industrial training report	55%
Total	**100%**

The teacher, along with the field supervisors, conducts the performance assessment of students. Evaluation of the summer training report through viva-voce/presentation aims at assessing students' understanding of materials, industrial processes and practices in industry/field organisations, their ability to engage in activities related to problem solving in an industrial setup, and their understanding of the application of knowledge and skills learnt in real-life situations.

Note: these percentages are the Mechanical Engineering figures from the official curriculum. Other branches use different splits — do not copy another branch's figures.

How to Prepare

Start before the break: talk to your HOD early about training places relevant to mechanical engineering, and agree your training schedule with the training provider before you begin. During the four weeks, be punctual every day, take the initiative to learn new machines and processes, and write your daily diary without fail — the diary is the raw material of your report, and the report alone is worth 55% of the marks. When you return, write the final report carefully (organisation, product range, manufacturing process, machines and materials, and

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what you actually did and learned), and prepare to present it and answer viva questions on it. The presentation and viva are 15%, and your conduct during training — punctuality and initiative — is another 30% combined.

Student Centred Activities (SCA) — Separate

SCA is a separate 50-mark component in the 3rd-semester scheme (6 periods a week, internal assessment only): co-curricular activities such as extension lectures, games, hobby clubs (e.g. photography), seminars, declamation contests, educational field visits, library work, N.C.C., N.S.S., cultural activities and self-study. It is not part of Summer Internship-I and is not covered in this document.

Reference Books

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

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Source: BTEUP IRDT Kanpur, CBCS-SEP 2020 curriculum for Diploma in Mechanical Engineering (Automobile), effective session 2025-26 (uriscup.gov.in). 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.