

**B.Tech.IV Semester VIII**

**Subject Name** : Project II / Internship (End SEM) **Subject Code:BTCL16801**  
**Type of course** : Internship  
**Prerequisite** : Civil and Infrastructure engineering courses (Basic science, Engineering Science and core courses) and Effective Technical Communication.  
**Rationale** : Students have excellent opportunity to see how the theoretical aspects learned in classes are integrated into the practical world.

Teaching and Examination Scheme:									
Teaching Scheme				Theory Marks			Practical Marks		Total
L	T	P	C	TEE	CA1	CA2	TEP	CA3	100
0	0	24	12	-	-	-	20	80	

**CA1:** Continuous Assessment (assignments/projects/open book tests/closed book tests **CA2:** Sincerity in attending classes/class tests/ timely submissions of assignments/self-learning attitude/solving advanced problems **TEE:** Term End Examination **TEP:** Term End Practical Exam (Performance and viva on practical skills learned in course) **CA3:** Regular submission of Lab work/Quality of work submitted/Active participation in lab sessions/viva on practical skills learned in course.

**Content:**

Sr. No.	Topics
1	<p><b>Students Guidelines for Internship:</b></p> <p>Students should have completed the following all tasks during their industrial training.</p> <ul style="list-style-type: none"> <li>• <b>Schedule of industrial training:</b> <ul style="list-style-type: none"> <li>○ Duration of internship is minimum <b>twelve weeks.</b></li> <li>○ Identify industry as well as should have to approve your industry to the departmental committee within first 2 weeks of the semester.</li> <li>○ Approval process in form of presentation in front of department committee.                             <ul style="list-style-type: none"> <li>✓ Presentation include brief of your industry (established year, nos. of projects government- nongovernment, location, type of company, type of work, present projects, qualified staff, director qualification, License no. etc.)</li> <li>✓ Why you are selecting this industry?</li> <li>✓ On which present project you are working during your internship?</li> </ul> </li> <li>○ Two mid review (Presentations) during internship by departmental committee.                             <ul style="list-style-type: none"> <li>✓ 1<sup>st</sup> review on <b>end of 1<sup>st</sup> month completion.</b></li> <li>✓ 2<sup>nd</sup> review on <b>end of 2<sup>nd</sup> month completion.</b></li> </ul> </li> <li>○ Internship project fair (2 experts; 1 from industry &amp; 1 from academic) organized on <b>3<sup>rd</sup> month completion.</b></li> <li>○ Final report, diary, poster &amp; Presentation (PPT) Submission on <b>end of internship completion.</b></li> </ul> </li> <li>• <b>Maintained Student's diary/weekly Log (as per Annexure 1)</b> <ul style="list-style-type: none"> <li>○ Record day to day observations, impressions, information gathered and suggestions given.</li> <li>○ Attendance record and evaluation sheet duly signed and stamped by industry.</li> <li>○ It must include:                             <ul style="list-style-type: none"> <li>✓ Regularity</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>✓ Adequacy &amp; quality of information</li> <li>✓ Drawings, sketches &amp; data recorded</li> <li>✓ Thought process &amp; recording techniques</li> <li>✓ Organization of the information</li> </ul> <ul style="list-style-type: none"> <li>• <b>Preparation of Internship Report:</b> <ul style="list-style-type: none"> <li>○ Feedback by industry (As per Annexure 2)</li> <li>○ Skill test</li> <li>○ Daily Diary</li> <li>○ Surprise visit report along with physical presence &amp; progress of the work. (Note: If the student is found absent without prior intimation appropriate action will be taken as per university norms.)</li> <li>○ Quality of Content with originality, adequacy and purposeful write-up</li> <li>○ Organization, format, drawings, sketches, photographs, style, language etc.</li> <li>○ Varsity &amp; relevance of learning.</li> <li>○ Practical application relationship with basic theory.</li> </ul> </li> </ul>
2	<ul style="list-style-type: none"> <li>• <b>Prepare Department Committee</b></li> <li>• <b>Role of Faculty mentors during 8<sup>th</sup> sem Internship:</b> <ul style="list-style-type: none"> <li>○ Faculty mentors should have to collect filled feedback form from industry.</li> <li>○ Check diary maintenance done by students</li> <li>○ Punctuality of students</li> <li>○ Skill test of student</li> <li>○ Make surprise visit to the industry (Minimum 03 visits)</li> <li>(Note: If the student is found absent without prior intimation appropriate action will be taken as per university norms.)</li> <li>○ Progress of the work</li> <li>○ Guide students to prepare posters for project fair</li> <li>○ Guide students to prepare report &amp; Presentation for mid review as well as end sem exam.</li> </ul> </li> <li>• <b>Role of Department Committee during 8<sup>th</sup> sem Internship:</b> <ul style="list-style-type: none"> <li>○ To give approval of industry <ul style="list-style-type: none"> <li>✓ Students give presentation of their selected industry on given schedule (<b>Before starting their internship</b>) in front of the department committee.</li> <li>✓ Student's presentation based on brief about their industry (established year, nos. of projects government- nongovernment, location, type of company, type of work, present projects, qualified staff, director qualification, License no. etc.)</li> <li>✓ Why they are selecting that industry?</li> <li>✓ On which present project they are working during their internship?</li> </ul> </li> <li>○ Continuous evaluation <ul style="list-style-type: none"> <li>✓ Minimum two mid review (Presentations) during internship (1<sup>st</sup> review on <b>end of 1<sup>st</sup> month</b>; 2<sup>nd</sup> review on <b>end of 2<sup>nd</sup> month</b>)</li> </ul> </li> <li>○ End semester evaluation <ul style="list-style-type: none"> <li>✓ On successfully completion of 12 weeks of internship end sem final submission, presentation &amp; evaluation</li> </ul> </li> <li>○ Evaluation Criteria <ul style="list-style-type: none"> <li>✓ Quality of Content</li> <li>✓ Work plan &amp; execution</li> <li>✓ Effectiveness &amp; presentation</li> <li>✓ Depth of knowledge &amp; skills</li> </ul> </li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>✓ Attendance record</li> <li>✓ Daily &amp; weekly diary</li> <li>✓ Departmental and Faculty mentor feedback</li> <li>✓ Industry feedback from faculty mentor</li> </ul>
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**Suggested Specification table with Marks (Theory/Practical):**

% Distribution of Marks					
R Level	U Level	A Level	N Level	E Level	C Level
10	10	30	15	20	15

**Legends: R:** Remembrance, **U:** Understanding; **A:** Application, **N:** Analyze, **E:** Evaluate **C:** Create and above Levels (**Revised Bloom’s Taxonomy**)

**Note:** This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

**Course Outcome:**

Sr. No.	CO Statement After learning this subject, students will be able to	Marks % weightage
CO-1	Develop professional skills and ethics based on industrial problems and effectively plan to execute the work within definite time frame. (R, U, A- Cognitive Level)	20
CO-2	Efficiently enumerate the significance of problem identification.(U, N, E- Cognitive Level)	20
CO-3	Find solutions related to project and finance management.(A, N, E,C- Cognitive Level)	20
CO-4	Efficiently enumerate the working of firms and will be acquainted to corporate working environment. (A, N, E, C- Cognitive Level)	20

**Mapping with POs:**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO-1	1	1	3	1	2	3	3	3	1	2	2	2	2	1	2
CO-2	1	1	3	2	1	2	2	1	1	2	1	2	2	2	1
CO-3	1	1	1	2	2	1	2	2	1	1	1	3	2	1	1
CO-4	1	1	2	1	1	2	1	3	2	1	3	2	2	2	1
<b>Rationale *</b>	<b>4</b>	<b>4</b>	<b>9</b>	<b>6</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>5</b>

**Rationale\*:**

All the COs are satisfying the well-defined POs & PSOs up to the certain extent. Student’s getting opportunity to learn strategies like time management, multi-tasking etc in an industrial setup.

**Reference:**

- AICTE Model curriculum
- AICTE Internship Policy:

<https://www.aicte-india.org/sites/default/files/AICTE%20Internship%20Policy.pdf>

**Internship –End Sem**

W.e.f. AY 2021-22