

Course Code: CE 402

Course Title: Industrial Training

Credit hr: 1.5

Marks distribution:

Particulars	CO	Marks	Mark distribution in ERP	Remarks
Attendance	--	10	Attendance	Will be collected through logbook of field visit
Academic supervisor's mark on Industrial training report	CO2	25	Lab report	Assessed by Industrial training report (Final report)
Academic supervisor's mark on Industrial training performance and final presentation	CO3	40 (20+10+10)	Lab final	Assessed by final presentation, recorded (video) presentation and viva-voce on training report (Final report)
Field supervisor's mark	CO1	25	Lab performance	Marks will be provided by field supervisor
Total		100		

A.3 Course Learning Outcomes (CO): At the end of the course, the student will be able to-

CLO	CO statements	Bloom's taxonomy level
CO 1:	<i>Develop</i> the skill of teamwork & communication	C4
CO 2:	<i>Develop</i> the skill of report writing	C4
CO 3:	<i>Illustrate</i> the project based learning	C3

A.4 Mapping/Alignment of COs with Program Learning Outcomes (PO)

CO	PO (a)	PO (b)	PO (c)	PO (d)	PO (e)	PO (f)	PO (g)	PO (h)	PO (i)	PO (j)	PO (k)	PO (l)
CO 1									√			
CO 2										√		
CO 3		√										

Mapping of Knowledge Profile, Complex Engineering Problem Solving and Complex Engineering Activities:

CO	K 1	K 2	K 3	K 4	K 5	K 6	K 7	K 8	P 1	P 2	P 3	P 4	P 5	P 6	P 7	A 1	A 2	A 3	A 4	A 5
CO 1									√					√	√	√	√			
CO 2	√			√	√	√													√	
CO 3				√	√	√	√		√			√		√	√	√	√		√	

Details of abbreviation for PO, Cognitive level, P, A, K:

*PO(a): Engineering knowledge; PO(b): Problem analysis; PO(c): Design/development of solutions; PO(d): Investigation; PO(e) Modern tool use; PO(f): The engineer and society; PO(g): Environment and sustainability; PO(h): Ethics; PO(i): Individual work and teamwork; PO(j): Communication; PO(k): Project management and finance; PO(l): life-long learning **C- Cognitive: C1: Knowledge; C2: Comprehension; C3: Application; C4: Analysis; C5: Synthesis; C6: Evaluation A-Affective: A1: Range of resources; A2: Level of interaction; A3: Innovation; A4: Consequences for society and the environment; A5: Familiarity: P1: Range of conflicting requirements; P2: Depth of analysis required; P3: Depth of knowledge required; P4: Familiarity of issues; P5: Extent of applicable codes; P6: Extent of stakeholder involvement and level of conflicting requirements; P7: Interdependence: K1: theory-based understanding; K2: mathematics, numerical analysis, statistics; K3: theory-based formulation of engineering fundamentals; K4: Engineering specialist knowledge; K5: engineering design; K6: engineering practice; K7: ethics and the engineer's professional responsibility; K8: knowledge in the research

INDUSTRIAL TRAINING REPORT

Course Code:
Title:

Course Title:

No.	Evaluation Criteria with Marks	Put Tick (√) Mark				Mark s Obtai ned	Remarks
		E xc ell ent	A v er a ge	M a r g i n a l	F ail		
ASSIGNMENT							
1	Content and organization (15)						
2	Creativity and originality (10)						
	TOTAL						
<div style="border-bottom: 1px solid black; width: 100px; margin: 0 auto; margin-bottom: 5px;"></div> Submission date							<div style="border-bottom: 1px solid black; width: 100px; margin: 0 auto; margin-bottom: 5px;"></div> Teacher's Signature

Semester: [...] **Year:** [...] **Level-Term:** [...] **Section:** [...]

Submitted by:	

Submitted to:	
	Designation, Dept. of CE, DIU

Grading Rubric for Industrial Training Report

Criteria & Marks (25)	Excellent	Average	Marginal	Fail
Content and Organization (15)	<i>The assignment is well-organized and clearly presents a thorough and insightful analysis of the topic. The arguments and examples are well-developed and effectively support the thesis statement or main idea.</i>	<i>The assignment shows some organizational and content-related strengths but lacks a certain level of depth and detail in its analysis. The arguments and examples are present but not always fully developed.</i>	<i>The assignment is poorly organized and the analysis is shallow, lacking clarity and coherence. The arguments and examples are weak or not well connected to the thesis statement or main idea.</i>	<i>The assignment is incoherent or incomplete, with insufficient analysis, weak or unsupported arguments.</i>
Creativity and Originality (10)	<i>The assignment shows a high level of creativity and originality, with unique insights and ideas that enhance the analysis and/or presentation of the topic.</i>	<i>The assignment displays some degree of creativity and originality, but may rely too heavily on conventional ideas and approaches.</i>	<i>The assignment lacks creativity and originality, relying mostly on predictable or formulaic ideas and approaches.</i>	<i>The assignment shows little or no creativity or originality, with no new insights or ideas and/or significant reliance on plagiarism or unattributed sources.</i>

Note: Assignments must be submitted on or before the due date. No late submission of assignments will be accepted.

PRESENTATION

Course Code:

Course Title:

Title:

No.	Evaluation Criteria with Marks	Put Tick (✓) Mark				Mark s Obtai ned	Remarks
		E xc ell ent	A v er a ge	M a r g i n a l	F ail		
PRESENTATION							
1	Content and organization (3)						
2	Delivery (3)						
3	Question and answer (3)						
4	Time Management (1)						
	TOTAL						
<div style="border-bottom: 1px solid black; width: 100px; margin: 0 auto;"></div> Submission date							<div style="border-bottom: 1px solid black; width: 100px; margin: 0 auto;"></div> Teacher's Signature

Semester: [...] **Year:** [...] **Level-Term:** [...] **Section:** [...]

Submitted by:	

Submitted to:	
	Designation, Dept. of CE, DIU

ORAL PRESENTATION RUBRIC

Criteria & Marks (10)	Excellent	Average	Marginal	Fail
Content and Organization (3)	<i>The presentation is well-organized and presents a clear, insightful analysis of the topic. The content is supported with relevant and substantial evidence, and the presentation demonstrates an excellent understanding of the topic.</i>	<i>The presentation shows some organization and content-related strengths but lacks a certain level of depth and detail in its analysis. The content is supported with some evidence, but may not fully develop the topic.</i>	<i>The presentation is poorly organized and the analysis is shallow, lacking clarity and coherence. The content is unsupported or not well connected to the main idea.</i>	<i>The presentation is incoherent or incomplete, with insufficient analysis, weak or unsupported arguments, and/or numerous errors in grammar, pronunciation, or spelling.</i>
Delivery (3)	<i>The presenter is confident, articulate, and engaging, using a variety of effective techniques such as eye contact, gestures, and vocal inflection to convey the content. The presentation is delivered in a clear and effective manner, keeping the audience engaged.</i>	<i>The presenter shows some degree of confidence and uses a few effective techniques, but may lack consistency in their delivery. The presentation is mostly clear and effective, but may not always keep the audience engaged.</i>	<i>The presenter lacks confidence and uses ineffective techniques, making the presentation difficult to follow. The delivery may be unclear or unengaging.</i>	<i>The presenter is not confident and struggles to deliver the content, making it difficult to follow or understand.</i>
Question and Answers (3)	<i>The presenter demonstrates a thorough understanding of the topic and provides clear and thoughtful responses to questions from the audience.</i>	<i>The presenter shows some understanding of the topic and provides adequate responses to questions from the audience.</i>	<i>The presenter struggles to understand or respond to questions from the audience.</i>	<i>The presenter is unable to understand or respond to questions from the audience.</i>
Time Management (1)	<i>Presentation is within the allotted time limit.</i>	<i>Presentation is within 1 minute +/- of the allotted time limit.</i>	<i>Presentation is too long or too short.</i>	<i>Not attended/No effort exhibited</i>

INDUSTRIAL TRAINING PERFORMANCE

Course Code: [.....]

Course Title: [.....]

TITLE [.....]

No.	Evaluation Criteria with Marks	Put Tick (√) Mark				Mark s Obtai ned	Remarks
		Ex cel lent	A ve ra ge	M ar gi na l	F a i l		
INDUSTRIAL TRAINING PERFORMANCE							
1	Background Knowledge (8)						
2	Participation (7)						
3	Communication (5)						
	TOTAL						
_____		_____					_____
Date of Experiment		Date of Submission					Signature

Semester: [...]

Year: [...]

Level-Term: [....]

Section: [...]

Submitted by:	[Student's Name]
	[Student's ID]

Submitted to:	[Teacher's Name]
	[Designation], Dept. of CE, DIU

Industrial Training Performance:

Criteria (20)	Excellent	Average	Marginal	Fail
<i>Background Knowledge (8)</i>	<i>Demonstrates deep knowledge; answer the questions with explanations and elaboration.</i>	<i>Adequate knowledge of most topics; answer the questions, but fails to elaborate.</i>	<i>Very little or no knowledge of topics; only attended</i>	<i>Not attended/No effort exhibited</i>
<i>Participation (7)</i>	<i>The student is actively engaged in the laboratory experiment, collaborates with others, asks questions, and demonstrates initiative and independence.</i>	<i>The student participates in the laboratory experiment, but may need prompting to engage fully, or may not be fully collaborative with others.</i>	<i>The student shows minimal participation in the laboratory experiment, and may require significant prompting to engage.</i>	<i>The student is disengaged, does not contribute to the laboratory experiment, and may require extensive prompting to participate.</i>
<i>Communication (5)</i>	<i>The student communicates clearly and effectively, both verbally and in writing, with peers, instructors, and laboratory personnel, using appropriate technical language.</i>	<i>The student communicates adequately, but may have occasional lapses in clarity or technical language usage, or may not fully engage with peers or instructors.</i>	<i>The student communicates poorly, with frequent lapses in clarity or technical language usage, or may not engage effectively with peers or instructors.</i>	<i>The student is unable to communicate effectively, either verbally or in writing, and may not engage with peers or instructors.</i>

INDUSTRIAL TRAINING PERFORMANCE

Course Code: [.....]

Course Title: [.....]

TITLE [.....]

No.	Evaluation Criteria with Marks	Put Tick (✓) Mark				Mark s Obtai ned	Remarks
		Ex cel lent	A ve ra ge	M ar gi na l	F a i l		
INDUSTRIAL TRAINING PERFORMANCE							
1	Background Knowledge (10)						
2	Participation (10)						
3	Communication (5)						
	TOTAL						
_____		_____					_____
Date of Experiment		Date of Submission					Signature

Semester: [...]

Year: [...]

Level-Term: [....]

Section: [...]

Submitted by:	[Student's Name]
	[Student's ID]

Submitted to:	[Field supervisor's Name]
	[Designation], Organization

Industrial Training Performance:

Criteria (25)	Excellent	Average	Marginal	Fail
<i>Background Knowledge (10)</i>	<i>Demonstrates deep knowledge; answer the questions with explanations and elaboration.</i>	<i>Adequate knowledge of most topics; answer the questions, but fails to elaborate.</i>	<i>Very little or no knowledge of topics; only attended</i>	<i>Not attended/No effort exhibited</i>
<i>Participation (10)</i>	<i>The student is actively engaged in the laboratory experiment, collaborates with others, asks questions, and demonstrates initiative and independence.</i>	<i>The student participates in the laboratory experiment, but may need prompting to engage fully, or may not be fully collaborative with others.</i>	<i>The student shows minimal participation in the laboratory experiment, and may require significant prompting to engage.</i>	<i>The student is disengaged, does not contribute to the laboratory experiment, and may require extensive prompting to participate.</i>
<i>Communication (5)</i>	<i>The student communicates clearly and effectively, both verbally and in writing, with peers, instructors, and laboratory personnel, using appropriate technical language.</i>	<i>The student communicates adequately, but may have occasional lapses in clarity or technical language usage, or may not fully engage with peers or instructors.</i>	<i>The student communicates poorly, with frequent lapses in clarity or technical language usage, or may not engage effectively with peers or instructors.</i>	<i>The student is unable to communicate effectively, either verbally or in writing, and may not engage with peers or instructors.</i>

RECORDED PRESENTATION

Course Code:

Course Title:

Title:

No.	Evaluation Criteria with Marks	Put Tick (✓) Mark				Mark s Obtai ned	Remarks
		E x c e l l e n t	A v e r a g e	M a r g i n a l	F a i l		
PRESENTATION							
1	Content and organization (3)						
2	Delivery (3)						
3	Question and answer (3)						
4	Time Management (1)						
	TOTAL						
<div style="text-align: center;">_____ Submission date</div>							<div style="text-align: center;">_____ Teacher's Signature</div>

Semester: [...]

Year: [...]

Level-Term: [....]

Section: [...]

Submitted by:	

Submitted to:	
	Designation, Dept. of CE, DIU

RECORDED PRESENTATION RUBRIC

Criteria & Marks (10)	Excellent	Average	Marginal	Fail
Content and Organization (3)	<i>The presentation is well-organized and presents a clear, insightful analysis of the topic. The content is supported with relevant and substantial evidence, and the presentation demonstrates an excellent understanding of the topic.</i>	<i>The presentation shows some organization and content-related strengths but lacks a certain level of depth and detail in its analysis. The content is supported with some evidence, but may not fully develop the topic.</i>	<i>The presentation is poorly organized and the analysis is shallow, lacking clarity and coherence. The content is unsupported or not well connected to the main idea.</i>	<i>The presentation is incoherent or incomplete, with insufficient analysis, weak or unsupported arguments, and/or numerous errors in grammar, pronunciation, or spelling.</i>
Delivery (3)	<i>The presenter is confident, articulate, and engaging, using a variety of effective techniques such as eye contact, gestures, and vocal inflection to convey the content. The presentation is delivered in a clear and effective manner, keeping the audience engaged.</i>	<i>The presenter shows some degree of confidence and uses a few effective techniques, but may lack consistency in their delivery. The presentation is mostly clear and effective, but may not always keep the audience engaged.</i>	<i>The presenter lacks confidence and uses ineffective techniques, making the presentation difficult to follow. The delivery may be unclear or unengaging.</i>	<i>The presenter is not confident and struggles to deliver the content, making it difficult to follow or understand.</i>
Question and Answers (3)	<i>The presenter demonstrates a thorough understanding of the topic and provides clear and thoughtful responses to questions from the audience.</i>	<i>The presenter shows some understanding of the topic and provides adequate responses to questions from the audience.</i>	<i>The presenter struggles to understand or respond to questions from the audience.</i>	<i>The presenter is unable to understand or respond to questions from the audience.</i>
Time Management (1)	<i>Presentation is within the allotted time limit.</i>	<i>Presentation is within 1 minute +/- of the allotted time limit.</i>	<i>Presentation is too long or too short.</i>	<i>Not attended/No effort exhibited</i>

Recorded (Video) presentation (10 marks out of 40 marks of lab final/academic supervisor's mark)

Guidelines:

1. Topic of the video presentation must be unique and relevant to industrial training
2. 1 no. of video presentation to be prepared by each student.
3. Length of video presentation must be within 3-5 minutes.
4. Must include into, topic description and outro.
5. Rubrics of video presentation will be same as oral presentation
6. Must upload the video file in the designated folder naming student ID and topic in the file name
7. Size of video must be less than 1 GB and 480 pixels or less.

Guidelines for industrial training:

1. Students must have minimum $1.5 \times 2 \times 15 = 45$ hr field work as per curriculum
2. Students have to choose 01 (one) project for entire industrial training.
3. A student should have 8 visits of 6 hr each for the project, so total field work will be greater than 45 hr.
4. Each visit must be supported by observations, learning outcomes and evidence photos. Also, fill up the field log book.
5. Must collect an introductory/forwarding letter from the Head of Department and submit to the concerned industrial training company. (Attach the received copy in the appendix of industrial training book)
6. Bring industrial training policy letter with received signs from the concerned industrial training company. (Attach the received copy in the appendix of industrial training book)