

**DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
BIRLA INSTITUTE OF TECHNOLOGY
MESRA, PATNA CAMPUS**

Ref.: CEE_BITPATNA/2026-27/5

Date: 11/08/2026

Feedback Analysis and Action Taken Report

Department: Civil and Environmental Engineering

Batch: SP 2026

Semester Covered: IV, and VI

Academic Year: 2025-2026

Overview:

Feedback Questions: 8

A	Q1. Content (breadth and depth), relevance and utility of the course
	Q2. Availability of the study materials and course coverage (w.r.t syllabus and lecture plan)
B	Q3. Temperament, behavior, mannerism, and fairness of the teacher (in dealing with students, and clarifying the questions and doubts raised by them)
	Q4. Availability and approachability of the teacher and quality of slides, lecture materials or board work
C	Q5. Pace, clarity continuity of lectures and contents and ease to follow and interaction with students during or outside the class or laboratory.
	Q6. Interest and excitement created among the students about the subject domain.
D	Q7. Assessment and grading (fairness, objectivity, transparency), Question paper, assignment
	Q8. Level of learning, Satisfaction of teaching-learning process

Method: ERP – based data extraction and deviation analysis

Significant Deviations Report

HS – Highly significant ($\geq + 10\%$)

S – Significant ($> 0\%$ and $< 10\%$)

CAN – Corrective Action Needed ($\leq - 20\%$)

N – Neutral (between $- 20\%$ and 0%)

Se m	Subject Code	Subject Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
IV (Batch 2024-28)	CE 24207	Structural Analysis – II	S	HS	HS	HS	HS	HS	HS	HS
	CE 24208	Surveying	HS	HS	HS	HS	HS	HS	HS	HS
	CE 24209	Construction Engineering Management	CAN	CAN	CAN	CAN	CAN	CAN	CAN	CAN
	CE 24210	Earthquake Engineering and Disaster Management	HS	HS	HS	HS	HS	HS	HS	HS
	CE24253	Open Channel Hydraulics	S	S	N	S	N	S	S	S
	CE24211	Structural Engineering Laboratory - I	HS	HS	HS	HS	HS	HS	HS	HS
	CE 24212	Surveying Field Work	HS	HS	HS	HS	HS	HS	HS	HS
	CE 24213	Specifications Estimation and Costing	Relevant data is not available hence excluded from analysis							
	CE 24214	Solid Mechanics Laboratory	CAN	CAN	CAN	CAN	CAN	CAN	CAN	CAN
VI (Batch 2023-27)	CE 308	Structural Design - II	HS	HS	HS	HS	HS	HS	HS	HS
	CE 302	Water Resources Engineering	HS	HS	HS	HS	HS	HS	HS	HS

CE 210	Earthquake Engineering and Disaster Management	HS	HS	HS	HS	HS	HS	HS	HS
CE 438	Traffic Engineering and Management	CAN	CAN	CAN	CAN	CAN	CAN	CAN	CAN
CE 420	Air Pollution and Control	CAN	CAN	CAN	CAN	CAN	CAN	CAN	CAN
CE 306	Water Resources Engineering Laboratory	S	HS	HS	S	S	S	HS	S
CE 309	Structural Engineering Laboratory - II	HS	HS	HS	HS	HS	HS	HS	HS

Subject Wise Analysis (Clause 2.4):

Sem	Subject Code	Subject Name	Consistent Deviations	Nature	Action Category
IV (Batch 2024-28)	CE 24207	Structural Analysis – II	Q1 – Q8 all positive	Increasing	HS/S
	CE 24208	Surveying	Q1 – Q8 all positive	Consistent	HS
	CE 24209	Construction Engineering Management	Q1 – Q8 all negative	Consistent	CAN
	CE 24210	Earthquake Engineering and Disaster Management	Q1 – Q8 all positive	Consistent	HS
	CE24253	Open Channel Hydraulics	Mostly positive	Increasing	S/N
	CE24211	Structural Engineering Laboratory - I	Q1 – Q8 all positive	Consistent	HS
	CE 24212	Surveying Field Work	Q1 – Q8 all positive	Consistent	HS
	CE 24213	Specifications Estimation and Costing	Relevant data is not available hence excluded from analysis		

	CE 24214	Solid Mechanics Laboratory	Q1 – Q8 all negative	Consistent	CAN
VI (Batch 2023-27)	CE 308	Structural Design - II	Q1 – Q8 all positive	Consistent	HS
	CE 302	Water Resources Engineering	Q1 – Q8 all positive	Consistent	HS
	CE 210	Earthquake Engineering and Disaster Management	Q1 – Q8 all positive	Consistent	HS
	CE 438	Traffic Engineering and Management	Q1 – Q8 all negative	Consistent	CAN
	CE 420	Air Pollution and Control	Q1 – Q8 all negative	Consistent	CAN
	CE 306	Water Resources Engineering Laboratory	Q1 – Q8 all positive	Inconsistent	S/HS
	CE 309	Structural Engineering Laboratory - II	Q1 – Q8 all positive	Consistent	HS

Batch Wise Performance (Clause 2.5):

1. IV Sem (2024 – 2028): Avg 3.93 (approx.) – No Batch-level Issue
2. VI Sem (2023 – 2027): Avg 3.84 (approx.) – No Batch-level Issue

Students Comments Analysis (Clause 2.6):

No Major Comments

Action Plan Implementation (Clause 3):

For Negative Deviations (Clause 3.1):

1. Batch: 2024 – 2028 (IV Sem)

Subject Name with Code: CE24209 Construction Engineering and Management

Deviation: Highly Negative (up to -45.1%)

Actions taken: Discussion with individual continuously. Early lecture notes to student's class assignments.

Subject Name with Code: CE24214 Solid Mechanics Laboratory

Deviation: Highly Negative (up to -41.86%)

Actions taken: Faculty instructed to pre-lab briefing for better understanding.

2. Batch: 2023 – 2027 (VI Sem)

Subject Name with Code: CE 438 Traffic Engineering and Management

Deviation: Highly Negative (up to -32.73%)

Actions taken: Discussion with individual continuously. Early lecture notes to student's class assignments.

Subject Name with Code: CE 420 Air Pollution Control

Deviation: Highly Negative (up to -31.5%)

Actions taken: Discussion with individual continuously. Early lecture notes to student's class assignments. Reorganizing lesson plan for numerical problems.

For Positive Deviations (Clause 3.2):

Faculties were acknowledged for excellent teaching practices in Departmental Meeting.

1. Batch: 2024 – 2028 (IV Sem)

Subject Name with Code: CE24207 Structural Analysis – II

Deviation: Highly Positive (+ 15.21%)

Subject Name with Code: CE 24208 Surveying

Deviation: Highly Positive (+ 19.54%)

Subject Name with Code: CE24210 Earthquake Engineering and Disaster Management

Deviation: Highly Positive (+ 18.86%)

Subject Name with Code: CE 24253 Open Channel Hydraulics

Deviation: Positive (+ 3.9%)

Subject Name with Code: CE 24211 Structural Engineering Laboratory I

Deviation: Highly Positive (+ 18.53%)

Subject Name with Code: CE 24212 Surveying Field Work

Deviation: Highly Positive (+ 19.33%)

2. Batch: 2023 – 2027 (VI Sem)

Subject Name with Code: CE 308 Structural Design II

Deviation: Highly Positive (+ 15.32%)

Subject Name with Code: CE 302 Water Resources Engineering

Deviation: Highly Positive (+ 11.89%)

Subject Name with Code: CE 210 Earthquake Engineering and Disaster Management

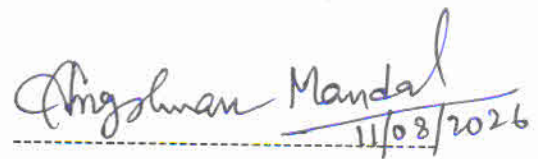
Deviation: Highly Positive (+ 20.78%)

Subject Name with Code: CE 306 Water Resources Engineering Laboratory

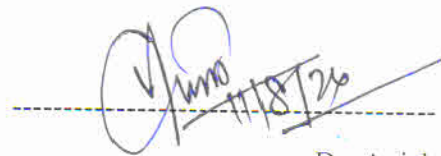
Deviation: Highly Positive (+ 10.85%)

Subject Name with Code: CE 309 Structural Engineering Laboratory II

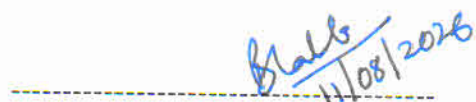
Deviation: Highly Positive (+ 13.49%)


11/08/2026

Dr. Angshuman Mandal
(Chairman)


11/08/26

Dr. Anish
(Member)


11/08/2026

Dr. Bandana Mahto
(Member)


11/08/26

Dr. Kumari Sweta
(Member)

DECLARATION

I, Dr. Angshuman Mandal, ^{I/c} ~~Head~~ of the Department of Civil and Environmental Engg.
hereby declare that:

1. Course feedback for the SP26 semester of the academic year 2025-26 has been collected.
2. The feedback has been thoroughly analysed according to the institutional Standard Operating Procedure for Course Feedback Analysis.
3. Appropriate measures for reward and appreciation have been taken for courses/faculty showing significant positive deviation from average.
4. Appropriate corrective actions have been identified and implemented for courses showing significant negative deviations from averages.
5. Where applicable, meetings with student batches have been conducted to address overall satisfaction issues.
6. All findings and actions have been documented in this Feedback Analysis and Action Taken Report.
7. The report has been presented to the department faculty, published on the department webpage, and submitted to the IQAC.

Date: 11/08/2026

Place: BIT Patna

Signature: Dr. Angshuman Mandal 11/08/26

Name: Dr. Angshuman Mandal

Name of the Department: Civil and Environmental Engineering

SP 26 - IV Semester										BATCH: 2024-2028/ Additional any batch applicable to these subjects							
Subject Code	Subject Name	FEEDBACK								% Deviation							
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
CE 24207	Structural Analysis – II	4.47	4.53	4.4	4.47	4.33	4.33	4.47	4.33	9.29	12.69	11.96	15.21	11.31	11.89	13.45	12.47
CE 24208	Surveying	4.71	4.71	4.59	4.47	4.65	4.59	4.65	4.53	15.16	17.16	16.79	15.21	19.54	18.6	18.02	17.66
CE 24209	Construction Engineering Management	2.75	2.5	2.25	2.13	2.44	2.19	2.25	2.31	-32.76	-37.81	-42.75	-45.1	-57.28	-43.41	-42.89	-40
CE 24210	Earthquake Engineering and Disaster Management	4.53	4.53	4.53	4.53	4.53	4.6	4.53	4.47	10.76	12.69	15.27	16.75	16.45	18.86	14.97	16.1
CE24253	Open Channel Hydraulics	4.13	4.13	3.93	3.93	3.87	4	4	4	0.98	2.74	0	1.29	-0.51	3.36	1.52	3.9
CE24211	Structural Engineering Laboratory - I	4.6	4.47	4.6	4.53	4.4	4.47	4.67	4.47	12.47	11.19	17.05	16.75	13.11	15.5	18.53	16.1
CE 24212	Surveying Field Work	4.75	4.75	4.63	4.63	4.56	4.56	4.56	4.44	16.14	18.16	17.81	19.33	17.22	17.83	15.74	15.32
CE 24214	Solid Mechanics Laboratory	2.75	2.5	2.5	2.31	2.31	2.25	2.38	2.25	-32.76	-37.81	-36.39	-40.46	-40.62	-41.86	-39.59	-41.56
Average		4.09	4.02	3.93	3.88	3.89	3.87	3.94	3.85	3.93							

SP 26 - VI Semester										BATCH: 2023-2027/ Additional any batch applicable to these subjects							
Subject Code	Subject Name	FEEDBACK								% Deviation							
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
CE 308	Structural Design - II	4.33	4.33	4.28	4.33	4.33	4.28	4.44	4.39	11.31	11.89	11.17	13.05	13.65	13.23	15.32	13.73
CE 302	Water Resources Engineering	4.28	4.33	4.28	4.28	4.17	4.17	4.28	4.28	10.03	11.89	11.17	11.75	9.45	10.32	11.17	10.88
CE 210	Earthquake Engineering and Disaster Management	4.47	4.47	4.65	4.41	4.47	4.47	4.41	4.47	14.91	15.5	20.78	15.14	17.32	18.25	14.55	15.8
CE 438	Traffic Engineering and Management	2.71	2.65	2.59	2.59	2.65	2.53	2.59	2.71	30.33	31.52	32.73	32.38	30.45	33.07	32.73	29.79
CE 420	Air Pollution and Control	2.83	2.72	2.67	2.78	2.61	2.61	2.67	2.67	27.25	29.72	30.65	27.42	31.5	30.95	20.65	30.83
CE 306	Water Resources Engineering Laboratory	4.24	4.29	4.24	4.18	4.18	4.12	4.24	4.24	9	10.85	10.13	9.14	9.71	8.99	10.13	9.84
CE 309	Structural Engineering Laboratory - II	4.35	4.29	4.24	4.24	4.29	4.29	4.29	4.29	11.83	10.85	10.13	10.7	12.6	13.49	11.43	11.14
Average		3.89	3.87	3.85	3.83	3.81	3.78	3.85	3.86	3.84							