GITA Autonomous College, Bhubaneswar

SELF ASSESSMENT REPORT(TIER - I) FOR Civil Engineering

Part A : Institutional Information

1 Name and Address of the Institution

GITA Autonomous College, Bhubaneswar,
At - Badaraghunathpur Po - Madanpur Via - Janla Bhubaneswar

2 Name and Address of Affiliating University

3 Year of establishment of the Institution:

2004

4 Type of the Institution:

☐ Institute of National Importance	☑ Autonomous
☐ University	☐ Any other(please specify)
☐ Deemed University	

5 Ownership Status:

☐ Central Government	☐ Trust
☐ State Government	☐ Society
☐ Government Aided	☐ Section 25 Company
☑ Self financing	☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., If any

Name of Institutions	Year of Establishment	Programs of Study	Location
Gandhi Institute of Engineer	1997	B. Tech., M. Tech., MBA, M	Gunugur, Odisha

7 Details of all the programs being offered by the Institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
M.Tech in Water Resource Engineering	PG	2023	2023	18	No	18	Not eligible for accreditation	--	--	No	2
B.Tech in Civil Engineering	UG	2012	2012	60	Yes	60	Applying first time	--	--	Yes	4

Sanctioned Intake for Last Five Years for the B.Tech in Civil Engineering

Academic Year	Sanctioned Intake
2024-25	60
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	120

9 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Civil Engineering
2	Under Graduate	Engineering & Technology	Electrical Engineering
3	Under Graduate	Engineering & Technology	Electronics & Communication Engineering
4	Under Graduate	Engineering & Technology	Mechanical Engineering
5	Under Graduate	Engineering & Technology	Computer Science and Engineering

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	120	134	119	120	119	119
Faculty in Engineering (Female)	55	76	49	55	45	49
Faculty in Maths, Science & Humanities teaching in engineering program (Male)	33	34	33	33	31	33
Faculty in Maths, Science & Humanities teaching in engineering program (Female)	16	17	16	16	16	16
Non-teaching staff (Male)	000	000	000	000	000	000
Non-teaching staff (Female)	84	84	84	84	84	84

B. Contractual* Employees (Faculty and Staff):

Items	2024-25		2023-24		2022-23	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Engineering students:

Engineering and Technology- UG	Shift1	Shift2
Engineering and Technology- PG	Shift1	Shift2
Engineering and Technology- Polytechnic	Shift1	Shift2
MBA	Shift1	Shift2
MCA	Shift1	Shift2

Engineering and Technology- UG Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	1960	1999	1999
Total no. of Girls	2178	1939	1939
Total	4138	3923	3938

Engineering and Technology- PG Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	100	84	85
Total no. of Girls	134	77	82
Total	235	161	117

Engineering and Technology- MBA Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	139	180	203
Total no. of Girls	193	179	186
Total	331	359	389

Engineering and Technology- MCA Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	199	199	193
Total no. of Girls	331	179	193
Total	419	362	372

11 Vision of the Institution:

To foster prosperity through technological advancement by promoting education, innovation, and collaborative research, and to emerge as a globally renowned premier technical institution.

12 Mission of the Institution:

1. To impart high quality professional education to students worldwide, fostering innovation, technological advancement, discipline, effective communication skills, and strong moral values.
2. To provide a broad-based education that ensures the holistic development of students.
3. To leverage expertise in science, technology, and management to deliver comprehensive training in visualizing, synthesizing, and executing projects.
4. To nurture a spirit of entrepreneurship and innovation among students.
5. To undertake sponsored research and offer consultancy services in industrial, educational, and other relevant domains.
6. To promote healthy practices such as community service, outreach initiatives, and innovative projects for societal benefit.

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr. Manmatha Kumar Roul
Designation	Principal
Mobile No.	8260042008
Email ID	principal@gita.edu.in

NBA Coordinator, If Designated

Name	Dr. Kishore Kumar Mishra
Designation	Dean Academics
Mobile No.	8260042031
Email ID	deanacademics@gita.edu.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	100	100.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175	175.00
4	STUDENTS' PERFORMANCE	100	99.80
5	FACULTY INFORMATION AND CONTRIBUTIONS	300	190.00
6	FACILITIES AND TECHNICAL SUPPORT	90	90.00
7	CONTINUOUS IMPROVEMENT	75	75.00
8	FIRST YEAR ACADEMICS	90	47.40
9	STUDENT SUPPORT SYSTEMS	90	90.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	1000	903

Part B : Criteria Summary

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

1.1 State the Vision and Mission of the Department and Institute (2)

Vision of the Institute	To foster prosperity through technological advancement by promoting educ
Mission of the Institute	1. To impart high quality professional education to students worldwide. 2. To provide a broad-based education that ensures the holistic develo 3. To leverage expertise in science, technology, and management to di 4. To nurture a spirit of entrepreneurship and innovation among studer 5. To undertake sponsored research and offer consultancy services in i 6. To promote healthy practices such as community service, outreach i
Vision of the Department	The Department of Civil Engineering endeavors to be recognized for its ou producing competent and disciplined Civil Engineers, who would be innov take challenges in advanced fields of Infrastructural Engineering.
Mission of the Department	

Mission No.	Mission Statements
M1	Offering State of the Art Unde
M2	Developing professionalism i
M3	Undertaking collaborative pr
M4	Developing human intellectu

1.2 State the Program Educational Objectives (PEOs) (2)

PEO No.	Program Educational Objectives Statements
PEO1	Our graduates will apply their knowledge and skills to succeed in a Civil engineering career and/or obtain an advanced degree.
PEO2	Our graduates will apply basic principles of engineering in various practical fields to meet customer business objectives and/or productively engage in research.
PEO3	Our students will be able to apply creative thinking to design Civil engineering equipments and processes including interdisciplinary technologies.
PEO4	Our graduates will function ethically and responsibly and will remain informed and involved fully in their profession and in society.
PEO5	Our students will be able to communicate well with others to share the ideas and to cooperate, thus establishing the leadership to manage the organization effectively.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (*2)

The Vision, Mission and PEOs are published and disseminated to all stakeholders through:

1. The CIVIL Engineering Department's Vision, Mission and PEOs are available in the college website on the link –(https://www.gita.edu.in/gita/departments/ce.html)
2. The Vision, Mission and PEOs for the Civil Engineering Department are displayed prominently outside the Department and in the HOD's cabin, staff rooms and laboratories.
3. The Vision, Mission and PEOs for the Civil Engineering Department are mentioned in the course handout.
4. The Vision, Mission and PEOs for the Civil Engineering Department are mentioned in the Departmental Library.
5. The Vision, Mission and PEOs for the Civil Engineering Department are mentioned in all class rooms.

Process of dissemination among stakeholders

- Departmental website
- E-mail
- Notice boards
- Fax
- Letter
- Awareness program among students
- Through social media

A.Extent of awareness of Vision, Mission & PEOs among the stakeholders

Internal stakeholders

Stakeholders	Purpose
Promoter/management/ governing board members	• Defining growth plan and road map • Providing physical, human and financial resources • Formulation of policies
Human resources (faculty and support staff)	• Implementer (contributor) of policies • Key contributor in developing/implementing growth plan • Responsible for producing competent graduates/ product from the Institution
Students	- Product of the Institution and responsible for creating Institute image

External stakeholders

Stakeholders	Purpose
Employer	Employing graduates and making an assessment of competence and industry readiness
Industry	Employer as well as a participant in curriculum development and industry-Institute activities
Alumni	Able to co-relate learning practice and to provide appropriate to the department/program committee
Regulatory/accrediting authorities	Prescribes norms and standards to ensure quality assurance and Enhancement
Society	Provides intangible outcomes from the Institution perspective

B.Processes to Ensure Awareness

To guarantee that all stakeholders are aware of and aligned with the Vision, Mission, and PEOs, the Institution has implemented systematic dissemination and reinforcement mechanisms:

a) Internal Stakeholders

1) Management and Governing Board Members
- Regular presentations during board meetings to review and align with institutional goals.
- Annual strategic planning sessions where Vision, Mission, and PEOs are evaluated and updated.

2) Faculty and Support Staff
- Orientation programs and workshops for new faculty and staff to ensure alignment with institutional goals.
- Continuous Professional Development (CPD) programs integrating institutional objectives into teaching practices.

3) Students
- Student orientation programs at the beginning of each academic year highlight the Vision, Mission, and PEOs.
- Regular dissemination through student portals and academic advisory sessions.

b) External Stakeholders

1) Employers and Industry Partners
- Industry collaboration meetings and Memorandums of Understanding (MoUs) share institutional objectives.
- Dissemination through placement brochures and employer newsletters.

2) Alumni
- Alumni are engaged through newsletters, dedicated alumni portals, and special events where the Vision, Mission, and PEOs are reiterated.
- Feedback from alumni is sought to ensure alignment with industry expectations and educational goals.

3) Funding Agencies and Accreditation Bodies
- Vision, Mission, and PEOs are shared in project proposals, grant applications, and official correspondence.
- Regular reporting and compliance documentation submitted to accreditation bodies.

C.Effectiveness Monitoring and Continuous Improvement

1) Feedback Mechanisms: Regular feedback is collected from students, faculty, industry partners, and alumni to assess awareness and alignment with the Vision, Mission, and PEOs.

2) Review Cycle: The Vision, Mission, and PEOs are reviewed periodically through a dedicated Academic Council and Institutional Review Committee to ensure relevance and continuous improvement.

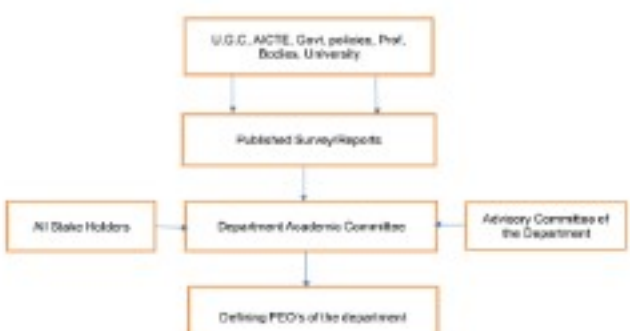
3) Performance Metrics: Key Performance Indicators (KPIs) are established to measure awareness, alignment, and achievement of educational objectives.

By utilizing these comprehensive dissemination strategies and monitoring processes, the Institution ensures continuous awareness and alignment with the Vision, Mission, and PEOs across all stakeholder groups.

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (12)

Department Academic Committee (DAC) comprising of Head of the Department (HOD), all faculty members and external technical advisors is functioning in the Department. Following the spirit of Vision and Mission of Institute, the Department Acad

The PEOs are in tune with the standards of Graduate Attributes. This has been achieved by adding course beyond curriculum considering POs & COs. The Department Academic Committee monitors the skills and competencies which are to



1.3 Establish consistency of PDOs with Mission of the Department (10)

The mission statements of the Institution are linked with the PEOs.This has been achieved by Academic committee of the Department in consultation with Advisory committee consisting all Stakeholders such as current students, parents, alumini, exter

1.3 G. Consistency/ justification of co-relation parameters of the above matrix (10)

PEOs	Mission Element	Mapping Strength	Justification
PEO1	M1	Substantial (3)	Following the latest technological support and reputed courses offered by the efficient faculty members, the students acquired sufficient knowledge along with the B.Tech degree.
	M2	Substantial (3)	By offering the latest technological facilities along with field training the students are made competent to face the field problem.
	M3	Moderate (2)	The students are introduced and well aquatinted various collaborated projects taken up by the Department along with various Industries.
	M4	Moderate (2)	Department arranges lectures of industry experts to inculcate an attitude for life-long learning to produce competent and ethical professionals.
PEO2	M1	Moderate (2)	Students are offered practical training during their graduation period, so that the can share responsibility and take up the challenges of the field.
	M2	Slight (1)	Personality Development Programmes help the students to develop their own characteristic way of looking at, approaching and dealing with their profession related problems with right engineering attitude.
	M3	Moderate (2)	The students are involved in the research works carried on in the Department.
	M4	-	

PEO Statements	M1	M2	M3	M4
Our graduates will apply their knowledge and skills to succeed in a Civil engineering career and/or obtain an advanced degree.	3	3	2	3
Our graduates will apply basic principles of engineering in various practical fields to meet customer business objectives and/or productively engage in research.	3	1	2	-
Our students will be able to apply creative thinking to design Civil engineering equipment's and processes including interdisciplinary technologies.	3	3	2	3
Our graduates will function ethically and responsibly and will remain informed and involved fully in their profession and in society.	3	3	2	3
Our students will be able to communicate well with others to share the ideas and to cooperate, thus establishing the leadership to manage the organization effectively.	3	3	1	-

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

2.1 Program Curriculum (30)

2.1.1 State the process for designing the program curriculum (10)

GITU Autonomous College Bhubaneswar is an autonomous institution and affiliated to BPUT, Odisha. The curriculum has been prepared by the institution independently considering various aspects of academic interest and industry requirements. As p

2.1.2 Structure of the Curriculum (2)

ID	Course Code	Course Title
1	24GTTS2101	Engineering Mathematics I
2	24GTTS2102	Engineering Chemistry
3	24GTTS2103	Basic Electrical Engineering
4	24GTTH2104	Functional English
5	24GTTS2105	Programming for Problem Solving using C
6	24GTPS2106	Chemistry Lab
7	24GTPS2107	Basic Electrical Engineering Lab
8	24GTPS2108	Engineering Graphics & Design Lab
9	24GTPS2109	Programming for Problem Solving using C Lab
10	24GTPH2110	Functional English Lab
11	24GTPMC110	Induction Training (21 days)
12	24GTTS2201	Engineering Mathematics II
13	24GTTS2202	Engineering Physics
14	24GTTS2203	Basic Electronics Engineering
15	24GTTS2204	Oops using Java
16	24GTTS2205	Basic Civil & Mechanical Engineering
17	24GTTH2206	Universal Human Values
18	24GTTMC206	Environmental Science
19	24GTPMC206/207	NSS / NCC / Yoga
20	24GTPS2208	Physics Lab
21	24GTPS2209	Basic Electronics Engineering Lab
22	24GTPS2210	Workshop
23	24GTPS2211	Oops using Java

24	24GTPHS202	Business Communication &Life Skill Lab
25	24GTTE2202	Programming for Problem Solving using 'Python'
26	24GTCETPC201	Engineering Mechanics
27	24GTCETPC202	Fluid Mechanics & Hydraulic Machines
28	24GTCETPC203	Surveying
29	24GTCETPC204	Civil Engineering Material & Construction
30	24GTCEPPC205	Employability Skill I
31	24GTTH2203	Engineering Economics and Costing
32	24GTTMC203	Constitution Of India
33	24GTCEPPC206	Fluid Mechanics & Hydraulic Machines Lab
34	24GTCEPPC207	Civil Engineering Drawing
35	24GTCEPPC208	Survey Field Work
36	24GTPE2203	Programming for Problem Solving using 'Python'LAB
37	24GTTE2301	Engineering Mathematics III
38	24GTCETPC301	Mechanics of Solids
39	24GTTE2302	Data Structure Using 'C'
40	24GTCETPC302	Water and Waste Water Engineering
41	24GTCETPC303	Geotechnical Engineering
42	24GTCETPE301	Bridge Technology
43	24GTCEPPC304	Employability Skill-II
44	24GTPE2302	Data Structures using'C'
45	24GTCEPPC305	Environmental Engineering Lab
46	24GTCEPPC306	Geotechnical Engineering Lab
47	24GTCEPPW307	Mini Project-I
48	24GTCETPC304	Structural Analysis-I

49	24BTCETPC[illegible]	[illegible]ign of Concrete Structures
50	24BTCETPC[illegible]	[illegible]rology and Open Channel Hydraulics
51	24BTCETPC[illegible]	[illegible]ndation Engineering
52	24BTCETPC[illegible]	[illegible]sportation Engineering-I
53	24BTCEPPC[illegible]	[illegible]ployability Skill-III
54	24BTTMC20[illegible]	[illegible]ssence of Indian Knowledge and Tradition-I
55	24BTCEPPC[illegible]	[illegible]ctural Engineering Lab
56	24BTCEPPC[illegible]	[illegible]ign of Concrete Structures Practice
57	24BTCEPPC[illegible]	[illegible]crete Technology Lab
58	24BTCEPPS[illegible]	[illegible]luation of Summer Internship
59	24BTCEPPS[illegible]	[illegible] Project II
60	24BTCETPC[illegible]	[illegible]ign of Steel Structures
61	24BTCETPC[illegible]	[illegible]igation Engineering ad Hydraulic Structures
62	24BTCETPC[illegible]	[illegible]essional Practice
63	24BTCETPE[illegible]	[illegible]hquake Engineering
64	24BTCETPC[illegible]	[illegible]ctural Analysis-II
65	24BTCETOE[illegible]	[illegible]d Waste Management
66	24BTCEPPC[illegible]	[illegible]ployability Skill-IV
67	24BTCEPPC[illegible]	[illegible]draulic Structures Design practice
68	24BTCEPPC[illegible]	[illegible]sign of Steel Structures practice
69	24BTCEPPC[illegible]	[illegible]nsportation Engineering-Lab
70	24BTCEPPS[illegible]	[illegible]inar
71	24BTCEPPS[illegible]	[illegible]or Project
72	24BTCETPE[illegible]	Transportation Engineering–II
73	24BTTHS70[illegible]	Organizational Behaviour

70	24GTCETPE[illegible]	Pre-stressed Concrete
72	24GTCETOE[illegible]	Entrepreneurship Development
78	24GTCETOE[illegible]	Internet of things
77	24GTCETOE[illegible]	Disaster Management
78	24GTCEPPS[illegible]	Industrial Lecture and Visit
79	24GTCEPPS[illegible]	Evaluation of Summer Internship
80	24GTCEPPS[illegible]	Comprehensive Viva Voce
81	24GTCEPPS[illegible]	Major Project
82	24GTCEPPS[illegible]	Major Project
83	24GTCEPPS[illegible]	Internal Internship
84	24GTCETPS[illegible]	Project Viva Voce
		Total

2.1.3 State the components of the curriculum (2)

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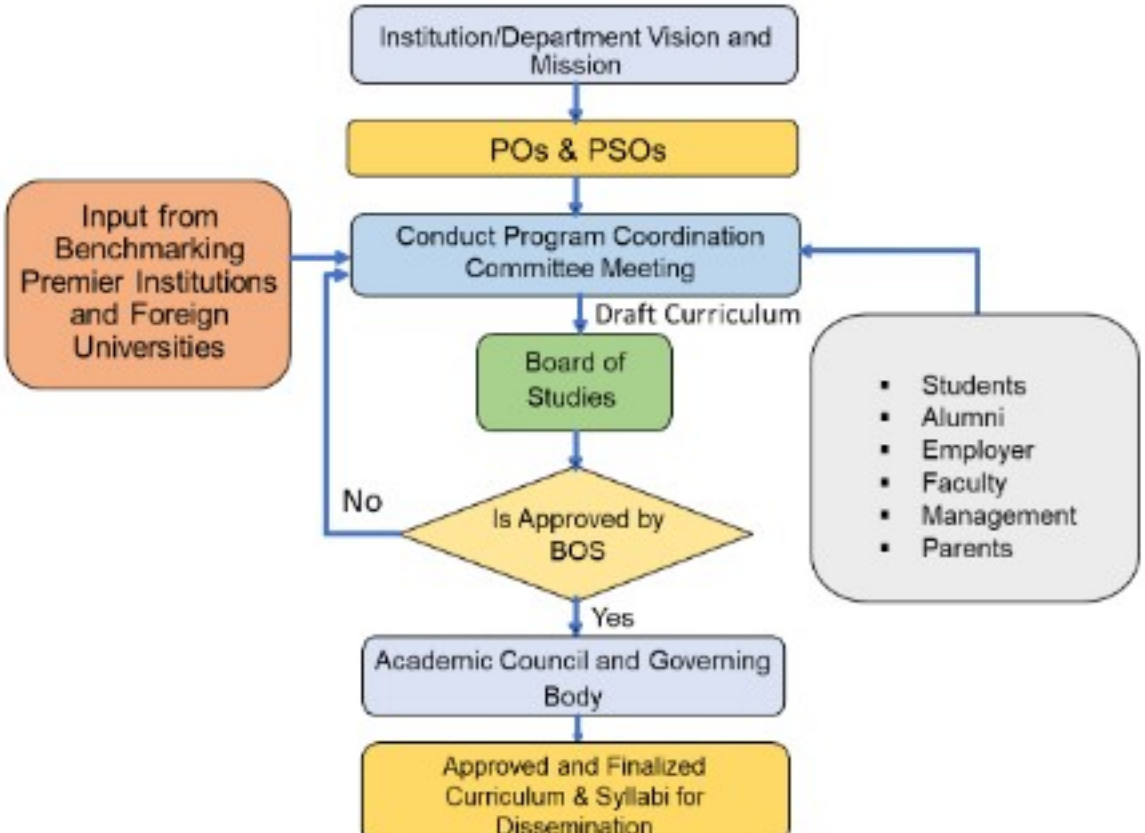
Course Components	Curriculum Content (% of total number of credits of the program)
Basic Sciences	9.09

2.1.4 State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I (10)



The following measures were taken up for attaining POs and PSOs.

Sl No.	Identification of area need Improvement	Action Taken	POs/PSOs
1	Comparatively lesser use of modern tools.	External resources persons from various research organizations/industries and academies were invited for delivering lectures and training to the students.	PO5, PO9, PO9, PSO1, PSO2
2	Various subjects important to Civil Engineering field such as Estimation & Professional Practice, RS & GIS, and Advanced Survey etc. were not covered in the curriculum.	The students were taught these subjects in extra classes.	PO1, PO2, PO11, PSO1, PSO2
3	Some Laboratory Experiments were not covered in curriculum.	The required Laboratory Experiments were included during the practical classes.	PO1, PO2, PO10, PSO1, PSO2
4	Some obsolete items of the subjects were identified those are not in practice in the field	Students have gone to the various sites to get industry knowledge.	PO1, PO2, PO11, PSO2
5	Less focus on ethical issues.	Lectures on Ethics.	PO8, PO10, PO12
6	Less stress on communication	Skills Lectures by School of Life Long Learning.	PO10

2.2 Teaching-Learning Processes (TL)

3.2.1 Describe Processes followed to Improve quality of Teaching & Learning (10)

The Department always follows the non-negotiable academic calendar prepared by the Institute at the beginning of each session to cover the curricular activities, such as Mid Term exam, Assignments, Quizzes, Surprise Test Sessional/ Practical exam

It is always intended to make the teaching and learning processes interesting and effective, for which the theoretical and practical classes are made interactive & dialogue oriented. In lectures, the students are asked innovative questions and motivated

To reduce the differences among the students it is felt to take special care for the slow learners. Also to achieve their higher goal by the bright students, they are identified and special attention was given. For that slow and fast learners are identified on

Slow Learners	
Identification criteria	Action Taken
Students having lesser attendance and scoring less than 60% of marks in Internal assessment.	• Difficulty level of the slow learner is identified in tutorial classes and it is improved as their level of understanding. • Remedial classes are arranged for improvement. • Mentoring is ensured to motivate them to study and enhance their confidence. • Peer tutoring is arranged for difficult topics. • Additional assignments are given to them for enhancing their ability to solve them.
Bright Students	
Identification criteria	Action Taken
Students scoring less than 90% of marks in Internal assessment as well as previous semester exam	• Additional difficult problems are given in tutorials to enhance their problem solving skills. • Motivate students to go for higher studies. • Encourage students to work on innovative projects. • Guidance is given to the students for the preparation of competitive examinations.

Quality of classroom teaching:

1) Smart boards, LCDs etc. are used for teaching purposes.

2) Internet facility is available to student and faculty in the class room.

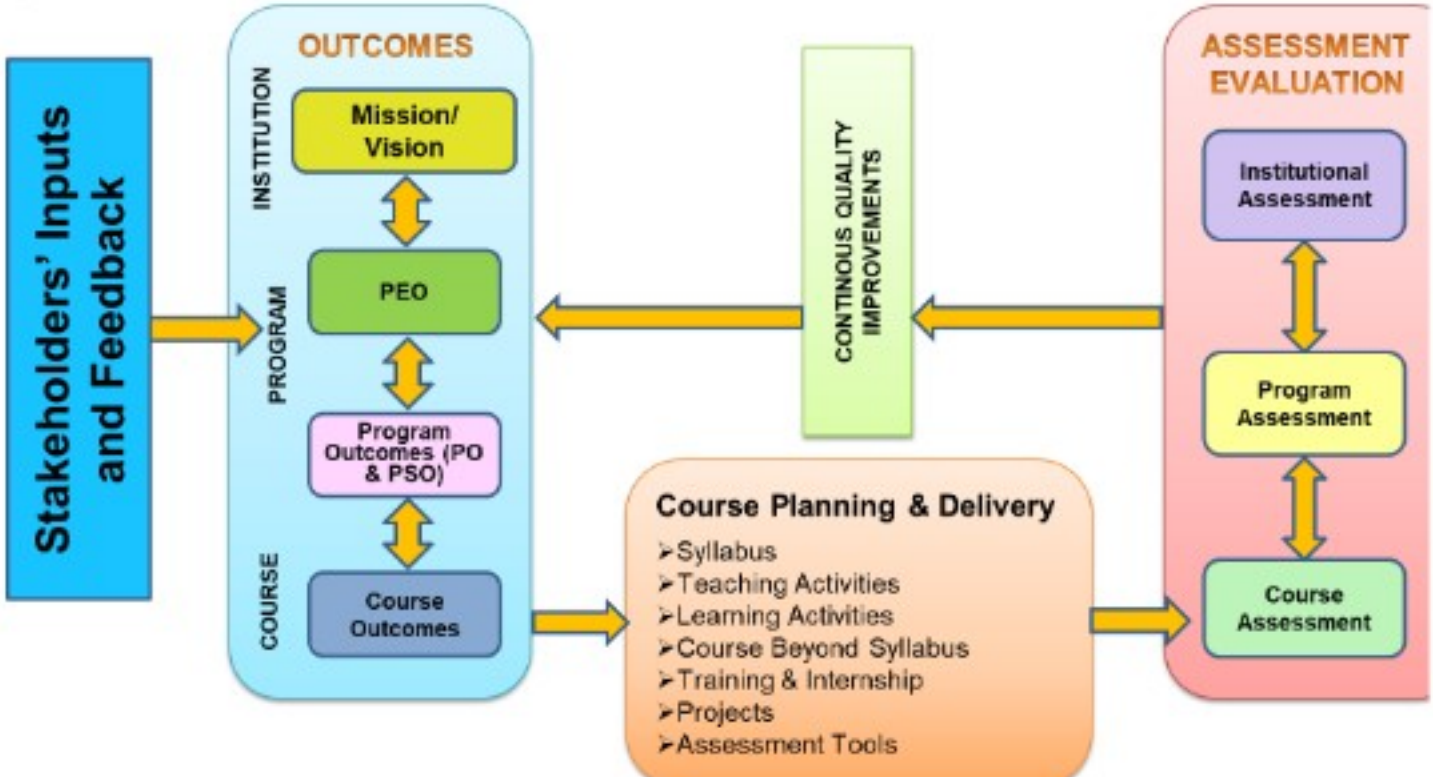
3) Faculty members are taking advantage of sources like the national program on technology enhanced learning (NPTEL), and Internet sources for effective teaching.

4) Class teaching are monitored by HoD, Controller of Academics intermittently for adhering to the lesson plan prepared and the quality of teaching aids.

For practical classes also well-structured lesson plan are prepared before starting of the semester. The curriculum includes 2-3 laboratory classes in laboratory courses. Normally 8-10 nos of experiments are conducted during the semester as per the c

Continuous assessment system is also implemented for practical classes in the laboratory. Students complete the experiment on the same day and evaluation is being done after verifying the laboratory records and through oral viva voice. Due weightag

The students give their feedback at the end of semester by filling a prescribed form for evaluation of teaching learning processes of the course using a scale of 3 highest through 1 lowest. Lecture and laboratory classes are monitored by HOD. The stu


Stakeholders' Inputs and Feedback
OUTCOMES
INSTITUTION
Mission/ Vision
PROGRAM
PEO
Program Outcomes (PO & PSO)
COURSE
Course Outcomes
CONTINOUS QUALITY IMPROVEMENTS
ASSESSMENT EVALUATION
Institutional Assessment
Program Assessment
Course Assessment
Course Planning & Delivery
Syllabus
Teaching Activities
Learning Activities
Course Beyond Syllabus
Training & Internship
Projects
Assessment Tools

2.2.2 Quality of end semester examination, Internal semester question papers, assignments and evaluation (12)

Setting of question:

Pattern for setting of Mid termSemester question paper has been Improved. The questions cover all modules as per the approved syllabus. Questions have also designated the maximum marks, related Cos, Pos, PSOs and Blooms level. The questior

Evaluation:

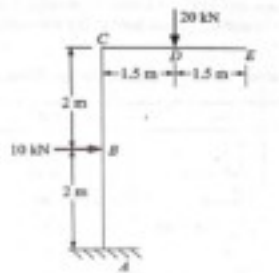
Evaluation of the answer copies are done with strict vigilance which is done in online mode centrally. All the answer copies are coded before evaluation for keeping it confidential.The evaluators submit a model answer to the examination section before

As presented in above the course outcomes/learning levels are linked with individual questions. This is ensured during the moderation process before finalization of the question.

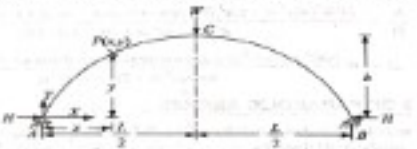
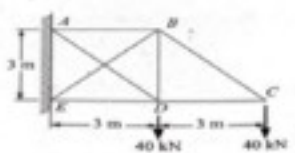
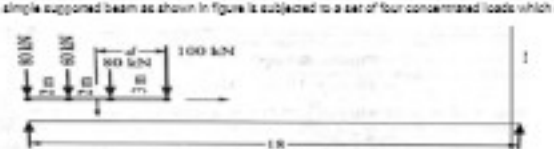
The questions depicting coverage of Cos in the Class Test/Mid Term questions are attached for reference.

Q1		
	a)	Differentiate between determinate and indeterminate structure.
	b)	Find degree of indeterminacy of structures as given below. 
	c)	Write theorem of three moments for a two-span continuous beam w
Q2		
	a)	Determine the rotation and deflection at the free end of a cantilever
	b)	Briefly describe about strain energy due to axial forces.
	c)	Briefly describe about classification of forces.
Q3	a)	Briefly describe about classification of forces.
	b)	A single supported beam has a span of 12m a uniformly distributed

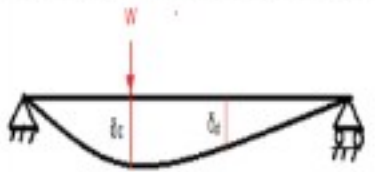
Q1		
	a)	State and explain maxwells reciprocal theorem.
	b)	Find degree of indeterminacy of structures as given below: 
	c)	Write theorem of three moments for a two-span continuous beam with support settlement.
Q2		
	a)	Determine the rotation and deflection at the free end of a cantilever beam subjected to UDL over an ent
	b)	Briefly describe about strain energy due to axial forces.
	c)	A propped cantilever of span L subjected to UDL W unit length. Find the reaction and fixed end momen
Q3	a)	A cantilever Beam of span 4 meter subjected to a point load 20KN at free end and another 30 KN point

	b)	i) Determine the vertical and horizontal deflection at free end of the bent shown in figure. Assume uniform 

Q1		
	a)	Write theorem of three moments for a two-span continuous beam with support settlement.
	b)	A propped cantilever of span L subjected to UDL W unit length. Find the reaction and fixed end moment
	c)	State and explain maxwells reciprocal theorem
Q2		
	a)	Determine the rotation and deflection at the free end of a cantilever beam subjected to UDL over an ent

	b)	A three-hinged parabolic arch of span L and rise h carries a concentrated load W at crown. Determine th 
	c)	A cantilever beam of span c meter subjected to a point load 30KN at free end and another 20 KN point l
03	a)	Find the force in the members of the truss shown in figure. The corectional area and young's modulus c 
	b)	The simple supported beam as shown in figure is subjected to a set of four concentrated loads which m 

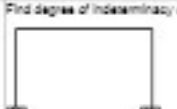
1		The number of independent equations to be satisfied for static equil a) 1 b) 2 c) 3 d) 6
2		Bending moment at any section in a conjugate beam gives in the ac a) slope b) curvature c) deflection d) be
3		To find the forces in the vertical member, preferable equilibrium equ a)∑H = 0 & ∑M =0 b)∑H=0&∑V=0 c)∑H=0, ∑V=0&∑M=0 d)∑V= 0 & ∑M = 0
4		Identify incorrect statement about truss analysis. a) Zero force may should not be removed from structure b) Method of joint enables us to solve any kind of truss analysis pro c) Method of section enables us to solve any kind of truss analysis d) Pin joint plane frame has 2 equilibrium equation at joint
5		What will be the shape of BMD in the entire beam? a) Straight line b)Straight line with point of discontinuities c) Curve d) Straight line with varying slope
6		If any of the external forces acting increases, then internal energy w a)Decrease b)Increase c)No change d) Become –ve
7		Maxwell's theorem doesn't apply when external moments are place State whether the above statement is true or false. a) true b) false
8		What is the simplest element of a space truss? a) triangle b) tetrahedron c) octahedron d) pyramid
9		Maxwell's reciprocal theorem is applicable for elastic materials only a)True b) False

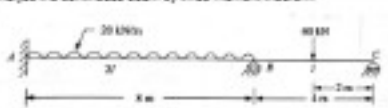
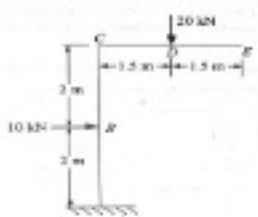
10		For the given figure, if a load of 20kN placed at a position C produc  a) 6.22mm b) 10.2mm c) 22mm d) Insufficient data

Q1		
	a)	Differentiate between determinate and indeterminate structure.
	b)	Find degree of indeterminacy of structures as given below 
	c)	Write theorem of three moments for a two-span continuous beam w
Q2		
	a)	Differentiate between Static and Kinematic Indeterminacies.
	b)	Briefly describe about strain energy due to axial forces.
	c)	Briefly describe about Castigliano's theorem to find displacement of

05	a)	Define I.D.
	b)	A simple supported beam has a span of 12m a uniformly distributed

Registration No.:

01	Short Answer Type Questions (Answer Any ten out of twelve)	
	a)	Define degree of indeterminacy.
	b)	Find degree of indeterminacy of structures as given below 
	c)	Define strain energy
	d)	State Castigliano's First theorem
	e)	What do you mean by determinate structure?
	f)	What will be the maximum deflection due to a uniformly distributed load w/unit length over entire span of a cant
	g)	For a fixed support what will be the degree of freedom?
	h)	What will be the Degree of static indeterminacy of a rigid jointed plane frame having 12 members, 3 reaction co

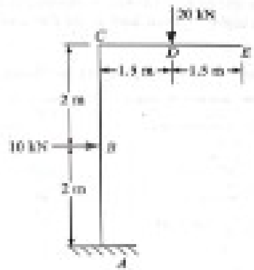
	b	Explain a pin-joined. Determinate plane frame with a sketch?	
	c	What is the shape of the bending moment diagram over the length of a beam, having no external load?	
Q2	Focussed – Short answer type Questions (Answer any three out of five)		
	a)	Write a short note about classification of structures.	
	b)	Differentiate between Static and Kinematic Indeterminacies.	
	c)	Find the reaction at both ends for a propped cantilever having UDL throughout	
	d)	Due to flexural loading what is the strain energy?	
	e)	Draw the free body diagram for a fixed support.	
	Long Answer type Questions (Answer any two out of four)		
Q3	a)	Analyse the continuous beam by three-moment theorem. 	
Q4	a)	Determine the vertical deflection at free end of the frame as shown in figure. Ta 	
Q5	a)	A uniform cantilever 4m span, carrying a UDL of 3 kN/m is propped at the free e	

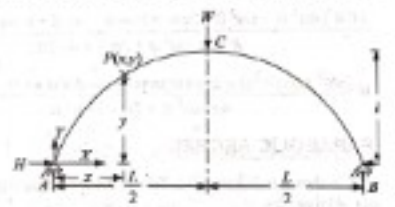
NB: BL – Bloomś Level 1, 2, 3, CO – Course Outcome, PO – Program Outcome , PSO – program Specific Outcome

4TH Semester B.Tech/M.Tech/MBA/MCA Regular Examination 2022-23

Registration No.:

Q1	Short Answer Type Questions (*Answer Any* ten out of twelve)	
	a)	Explain the equilibrium conditions.
	b)	Define redundant force?
	c)	Define strain energy.
	d)	Explain Unit load method.
	e)	Explain a pin-jointed. Determinate plane frame with a sketch?
	f)	Define rigid frame.
	g)	State importance of I.D.
	h)	Draw influence lines for support reactions in a simply supported bea
	i)	Distinguish between two hinged and three hinged arches?
	j)	What are the types of arches according to their shapes?
	k)	What is the influence line diagram?
	l)	Sketch an externally redundant truss.
Q2	Focussed – Short answer type Questions (*Answer any* five out of seven)	
	a)	Write a short note about classification of structures.
	b)	Briefly describe about strain energy due to bending moment.
	c)	Briefly describe about Castigliano's theorem to find displacement of

	d)	State and explain maxwells reciprocal theorem.
	e)	Analyse the continuous beam by three-moment theorem. 
	f)	A three hinged circular arch of horizontal span of 21 m has a centra
	g)	What will be the maximum deflection due to a uniformly distributed l
	Long Answer type Questions. (Answer any two out of four)	
03	a)	A fixed beam of span L subjected to UDL W/unit length over entire s
	b)	Draw bending moment and shear force diagram and elastic curve o
04	a)	Determine the vertical and horizontal deflection at free end of the b 
	b)	What do you mean by DOF.
05	a)	Define ILD.
	b)	Four-point loads 80N, 150N, 150N, and 100N have center to cente
06	a)	Define an arch. Write the different types of arches.

	b)	A three-hinged parabolic arch of span L and rise h carries a concen 

ND: DL – Blooms Level 1, 2, 3, CO – Course Outcome, PO – Program Outcome, PSO – program Specific Outcome

The detailed syllabus of all subjects envisages five modules. The students are assigned assignments after completion of each module. Total five number of assignments are assigned to the students. These are linked with Individual Cos.

2.2.3 Quality of student projects (20)

Identification of projects and allocation methodology to Faculty:

During formation of course curriculum in the autonomous system of GITU,autonomous College, pattern of allotting projects in different semester to the students were revised in the curriculum. The curriculum envisages the projects from 4th semester o proposal of the students, comments of the guide and relevance of the topic related to social challenges, environmental impacts and various Civil Engineering aspects.

Types and relevance of the projects and their contributions towards attainment of PSOs and PSOs:

The student projects allotted and completed in scheduled time were relevant to the designated PO/PSO of the department. It is observed that most of the projects conducted by the student are experimental. Presently it is emphasised to incorporate mo

2023-2024

Sl No	Name of Student	Name of Guide	Topic of Project	Relevant to PO/PSO	Type of Project
1	AMIT SAHOO,ANAND KUMAR,ANKITA GAJENDRA,ANGHUMAN MISHRA,ASHIRBAD KUTHUA,BIBHU MISHRA, BEHERA,BISWAJIT SAMAL	Prof.Simash Pahoo & Prof. Krishna Kumar Gupta	Traffic survey ,analysis and suitable solution for selected route in bhubaneswar city	PSO1,PSO2,PO3	Analytical
2	SUCHIN KUMAR,SUNDEEP KUMAR SAHOO,SUNDEEP SOURAV DAS,SATYABRATA JUYUGNGH,SOURAV KUMAR PRADHAN,SUBHREE JANTA KAR	Prof.sujit Kumar Panda	Manufacouring brick using agricultural waste	PSO1,PSO2,PO3	Experimental
3	SUBHREE SOVITA,SANTOSH PRADHAN,RITIKA SINGH,KAILAYA PAYSANJIT DAS,SUBAS NAYAK,SIBHUDUTTA MISHRA,SUMEET SAMANTARAY,SUBHASHREE BEHERA,KARISHMA DAS	Prof. Anurag Sahoo & Prof.Kalyani Subhadarshini Singh	Detection of leakgeover underground pipeline for various liquified material by using advance ior devices	PSO1,PSO2,PO3	Experimental
4	NEEDITA PATJAMIT KUMAR PARIDA,NEEDITA SAHOO,RAJASHREE SINDHAN,PRIYANKA SAHU,SUCHETA PRIYADARSINI ROUT,SUSHILDEBI SAHU	Prof. Chinmaya Sahoo & Prof. Minakshi Seshadri Nayak	Analysis of partial replacement of coarse aggregate by using jhama brick in concrete	PSO1,PSO2,PO3	Experimental
5	YUVRAJ VIVEK,SUBHRANSU NAYAK,RISHAV KALUNDIA,AMLAN KUMAR SETHI,SANJEEB KUMAR KALUNDIA,DEEPAK KUMAR SAHOO	Prof. Pranakrushna Parida	Topographic survey of GITA campus	PSO1,PSO2,PO3	Analytical
6	SUBHANKARI SUBHADARSINI,SUBHASHREE ROUT,SUBHENDU NAYAK,GANESH NAYAK,RITURAJ KUMAR,SANGRAM DAS,SNEHANGU SAMAL,SUBHRAJIT NAYAK,SUNIL SETH	Prof. Chinmayananda Sahoo	Determination of characteristics of burnt engine oil mixed soil	PSO1,PSO2,PO3	Experimental
7	BIPRA PRADHAN,ABHISEK BARIK,SUNNY KUMAR,SONALI DAS,SOUNAK ROY,SRADHANJALI BISWAL	Prof. Madhusmita Mishra	Recycled plastic waste concrete	PSO1,PSO2,PO4	Experimental

2022-2023

Sl No.	Name of Student	Name of Guide	Topic of Project	Relevant to PO/PSO	Type of Project
1	ABHILESH KUMAR,ANSHUP DHAL,ARMITA NAYAK,ARPITA PRADHAN,ASHUTOSH DAS,ASISH KUMAR PANDA,ATUL KUMAR SAHU,BIBEK ANAND,BISWAJIT BEHERA,CHANDAN BEHERA,DEBI PRASAD ROUT,DUSHMANT KUMAR BEHERA	Prof Bimash Sahoo &Prof. Mitali Madhusmita Swain	Development of hydraulic flume and analysis hydraulic flume behaviour	PSO1,PSO2,PO3	Experimental
2	HARI NARAYAN SAHANI,JITU BEHERA,LAXMIPRIYA SAHU,LIPSA MAJHI,MADHUKAR KUMAR,MANORANJAN MOHANTY,MARSHAL HANSDAH,RUSHIKESH TUDU,SAIPRASAD KARUAN,SASUDHA BHOLA,SAMBIT KUMAR PANDA,SHAHID ALI,SHUBHRANSHU PRIYADARSHAN	Prof. Joygopal Jena	Design of earth dam and gravity dam at a particular location for finalising the suitability of structure	PSO1,PSO2,PO3	Analytical
3	SOUMYA RANJAN PRADHAN,SUBHAM DASH,UMESH KUMAR,ABHISHEK DAS,BIRADRI DEVANANDA ACHARI,NAMITARANI MAHARANA,ANISHA MOHANTY,DIKSHYA MOHANTY,ABDUL RAHIM KHAN,ANANDA KUMAR NANDI,SANSKRUTI PATTANAYAK,BIKRAM KUMAR BISWAL,ARUNDHATI BHOI	Prof. Madhusmita Mishra & Prof. Himansu Behera	Study the properties of coconut fibre concrete	PSO1,PSO2,PO3	Experimental
4	ASHUTOS SARANGI,BHAGYASHREE JENA,BINAYAKA SAHU,DEBADATTA PRIYADARSHAN SAHOO,DEBASIS MISHRA,JAMUNA BAGH,JYOTSNA PODIAMI,LAXMIPRIYA MAGANT,MANAS KUMAR TRIPATHY,MANOJ KUMAR SETHI,MANUSWINYA DAS,NARAYAN TARAI,RISHIKA GHOSH	Prof. Chinmayananda Sahoo	Determination of characteristics of soil using burnt engine oil	PSO1,PSO2,PO3	Experimental

	SHUBHMITHU DAS,AJEET KUMAR SAW,AKASH KUMAR,AKASH NAYAK,AKASH PARIHAR,AMAN KUMAR,ANAND KUMAR SINGH,ANAND SAGAR GUPTA,ANANYA ROUTRAY,ANIKET PRASAD,ANUP PRAKASH,ANUSHREE PARIDA,ASHISH CHOURASIA,ASHUTOSH KUMAR ASISH KUMAR PANDA,BIPLAB MAHANTA,L SANTOSH SINGH,PRATYUSH KUMAR DAS,PREETIMAYEE PANDA,PRIYA KUMARI SONAR,RAJESH KUMAR ROUTRAY,ESH SETHY,RANJAN KUMAR,RANJAN KUMAR,RANJIT SOURI,RAVI RANJAN,REESHU RAJ,SADAF HASHIM SAGARIKA MAHATO,SANDEEP CHOUDHURY,SANDEEP KUMAR,SANDEEP KUMAR MAHATO,SASWAT SUSHRUT NAYAK,SHUBHAM DAS,SOUMYA RANJAN MANSINGH,SOURYA RANJAN PATRA,SOMYAKANTA MOHANTY,SOVIT KUMAR SEHERA,SURYASHREE PARIDA,SUVENDU MAHAKUR,YOGANYASENI PANDA,YESWANT DIGAL				
5		Prof. Pranakrushna Parida & Prof. Isvar Chandra Sethi	performance study on coir Geotextiles in pavement having soft soil subgrade areas	PSO1,PSO3,PO3	Experimental
6		Prof.sujit Kumar Panda	Manufacuring brick using agricultural waste	PSO1,PSO3,PO3	Experimental
7		Prof. Chinmaya Sahoo	Twin tower building design with sky walk using esad pro v8i software	PSO1,PSO3,PO4	Analytical

2021-2022

Sl No	Name of Student	Name of Guide	Topic of Project	Relevant to PO/PSO	Type of Project
1	ABHILASH ROUTJITO3 ALAM,ALIVA BISWAL,AMIT BIKRAM DAS,ANKIT KUMAR,ANKUSH KUMAR SINGH,ANOOP GUPTA,ANSUMAN RAUTRAY,ASIT KUMAR BHUYAN,ASIT KUMAR CHILLAN,BISWARANJAN DAS,DEEPAK KUMAR JENA,DHIRAJ KUSHWAHA,JAYSHANKAR DUBEY,MD SHADAB ALAM	Prof. Madhusmita Mishra & Prof. Isvar Chandra Sethi	Jargefimental study on the properties of concrete using GGBS, glass powder ,ceramic waste	PSO1,PSO3,PO3	Experimental

	MUKU MUDKUMI,PRITAM PRITIRANJAN,PRIYANKA PRIYADARSHINI,PUJA K PUKARJAYRAJ NAGWANSHI,RAKESH PRADHAN,RAGHAB RANJAN LENKA,RAGHURANJAN NAYAK,RUPASHREE NAIK,SANGIT PATTANAIK,SATYAJIT PADHI,SIDHARTHA MEHER,TINKU KUMAR RAJ,DAS,ANISHA MALLICK,ANKITA MAHANTA ANKITA PATI,ANKITA PRIYADARSINI SAHOO,ASHOK PANDA,AYUSH MISHRA,BHAGYALAXMI SINGH,BHARAT PRIYARANJAN SAHOO,DEEPAK SAHU,DEVI PRASANNA MISHRA,DEVIDUTTA BHANJADEO,DIPTISHREE MOHAPATRA,JITENDRA MOHANTY,LAXMAN NAIK,LEEJA CHITA,MONALI JENA,NEEDITA PRIYADARSHINI SAHOO PURNIMA PRIYADARSHINI NAIK,RAJAT KUMAR SAHOY,ANIL KUMAR RANGANI,N. SANMUKH RAO,PRAGNYAPARMITA MUND,SHUBHAM KUMAR KESHRI,SURYAKANTA NAYAK,VIKASH KUMAR SHUKLA,BHAKTA RANJAN DASH,BIBHUL KUMAR SWAIN,DEBASHIS GOSWAMY,GAUTAM CHETRY,GYANENJOY ROUTH,HEMANTA MANDAL,MONTU SAHU MRUTYUNJAYA SAHU,PRIYANKA PRIYADARSHINI DASH,PRIYANKA TRIPATHY,SACHIDANANDA PRADHAN,SATYABRAT TRIPATHY,SHASWATI JU KHAN,SIBANI SANKAR SWAIN,SMARAK SAMANTARAY,SOUVIK RANJAN SWAIN,SOURAV KUMAR CHUNNU,SWASTIK PRADHAN,UTKAV KUMAR JAISWAL,VIDYA PRASAD,AUROJIT MOHANTY,PREETI DAS				
2	Prof. Chinmayananda Sahoo & Prof. Krishna Kumar Gupta	Development of bio-brick as construction material	PSO1,PSO3,PO3	Experimental
3	Prof.Jaygopal Jena	Design of a barrage	PSO1,PSO3,PO3	Analytical
4	Prof. Mitali Madhusmita Sinalin	Study of fly ash performance in cold bituminous pavement	PSO1,PSO3,PO3	Experimental
5	Prof.Simash Pahoo	Comparative behaviour of bitumen using polystyrene and rubber granules	PSO1,PSO3,PO3	Experimental

6	SAURABH KUMAR SINHA,SHOUVIK SINHA,SHREYO,SHRUTI KUMARI,SHUBHAM KUMAR,SHUBHAM KUMAR PATEL,SHUBHAM PRAMOD PATRI,ROJALIN MOHANTY,SUSHREE MOHANTY,SUNDAYO,SHREE DAS,SHIVA NANDA GARDIA,SURA SAHOO,SONALI NANDA,SOUVIK,RANJAN ROUT,SUSAGNI MALIK,SUSHUSHREE SETHI	Prof. Chinmaya Sahoo & Prof.Jinan Jyoti Maharana	The behaviour of steel fibre reinforced concrete	PSO1,PSO2,PO3	Experimental

Process for monitoring and evaluation:

In 6th semester students are generally continue their project extending the studies/ research carried from 4th semester project. They are also allowed to start a new project depending upon their interest. After completion of the project the students subr

Process to assist individual and team performance:

The respective guide and two evaluators are nominated by HOD to assess individual and team performance of each group. In all the reviews, they judge individual and team performance and award the marks accordingly. The average of marks in all th

Quality of completed projects/ working prototypes:

The best quality projects are identified through:

- Marks secured in reviews
- Development of the project
- Publication of work in reputed conferences/journals
- Construction of Model/Prototype

Students are advised for construction of model / prototype however possible. Financial assistance for the same is being provided by the Institution. Some of the examples of model / prototype are

1) Construction of waste water treatment plant.

2) Construction of roof top harvesting system.

3) Construction of road using cold bitumen.

4) A model of Non overflow and overflow section of a gravity dam etc.

2.2.4 Initiatives related to Industry Interaction (10)

Industry supported lab:

To make our graduates industry ready/employable, students are provided scope for interaction and training with various industries. For these purpose experts from industries are invited to the Institute for deliberation and offer lectures regarding various

Some of the illustrations are.....

1.Students visited various water resources structures such as dams, barrages, canal structures etc.

2.Students visited airport for inspecting runway pavement.

3.Students visited to M/s Duracoat Pvt. Ltd. Industry.

4. Students visited various construction sites such as multi storied building, Railway bridge, Flyovers, water treatment plants etc.

Students have visited various construction sites, completed structures and industries for the above purpose. In some cases MOUs have drawn with various industries for dissemination of the knowledge.

In addition to the related laboratories fresh interaction has been done with some of the construction industry such as Trinity Construction, Subham Builders etc. They have supported our Advanced Concrete laboratory where equipment for testing self-c

2.2.2 Initiatives related to industry Internship/summer training (10)

Industrial training/tours for student:

The Departmental Academic Committee arranges a specific programme of four week Internship for Industrial exposure for the students from second year onwards. Necessary supports are provided to the student by the Training & Placement Departme

INTERNSHIP STUDENT LIST 2023-2024

SlNo.	RollNo.	RegdNo.	Name	Company Name
1	2001001	2001287025	AMIT SAHOO	Department of water resource, Odisha
2	2001002	2001287026	ANAND KUMAR	Office of the Chief Enginner Secha sadan, Bhubaneswar
3	2001003	2001287022	ANKITA GAJENDRA	Department of water resource, Mega lift project, Odisha
4	2001004	2001287027	ANSHUMAN MISHRA	Assistant Engineer(BCSD-II,CPWD,BBSR
5	2001005	2001287028	ASHIRBAD KATHUA	R&B Dept. GOVT OF ODISHA
6	2001006	2001287021	AMAN VAIBHAV ()	Department of water resource, Odisha
7	2001007	2001287029	BISHU MAHIMA BEHERA	Office of the Chief Enginner Secha sadan, Bhubaneswar
8	2001008	2001287022	BISWAJIT SAMAL	Water Resource Department, Minor Irrigation Divison, Odisha
9	2001009	2001287010	DIBYAJYOTI DAS	NTPC,Anugul
10	2001010	2001287023	HOMODYUTI DAS	NALCO DAMANJODI
11	2001011	2001287011	MIZAAN	R&B Dept. GOVT OF ODISHA
12	2001013	2001287013	PRIYANSHU KUMAR	Department of water resource, Mega lift project, Odisha
13	2001014	2001287014	R DANIEL DONALD	Department of water resource, Odisha
14	2001016	2001287024	RATIKANTA MALIK	NALCO DAMANJODI
15	2001017	2001287015	RISHU KUMAR	Assistant Engineer(BCSD-II,CPWD,BBSR
16	2001018	2001287016	ROHIT PRAKASH	R&B Dept. GOVT OF ODISHA
17	2001019	2001287017	SACHIN KUMAR	L&T Bhubaneswar
18	2001020	2001287022	SANDEEP KUMAR SAHOO	EAST COAST RAILWAY
19	2001021	2001287024	SANDEEP SOURAV DAS	Office of the Chief Enginner Secha sadan, Bhubaneswar
20	2001022	2001287018	SATYABRATA JAYASINGH	Department of water resource, Odisha
21	2001023	2001287019	SOURAV KUMAR PRADHAN	Assistant Engineer(BCSD-II,CPWD,BBSR
22	2001024	2001287020	SUSHREE ANITA KAR	EAST COAST RAILWAY
23	2001025	2001287021	YUVRAJ VIVEK	Department of water resource, Mega lift project, Odisha
24	2010033	2001287296	SUBHRANSU NAYAK	NTPC,Anugul
25	2001026	2001287311	ABHAY KUMAR	L&T Bhubaneswar
26	2001027	2001287313	ABHIJEET	Office of the Chief Enginner Secha sadan, Bhubaneswar
27	2001028	2001287315	ABHIJEET KUMAR	Department of water resource, Mega lift project, Odisha
28	2001029	2001287317	AKASH SINGH	R&B Dept. GOVT OF ODISHA
29	2001030	2001287319	ANAND	Department of water resource, Odisha
30	2001031	2001287321	ANSHUMAN MISHRA	NALCO DAMANJODI
31	2001032	2001287323	ARVIND KUMAR GUPTA	Office of the Chief Enginner Secha sadan, Bhubaneswar
32	2001034	2001287325	ARYAN RAJ	Department of water resource, Odisha
33	2001035	2001287327	ASHUTOSH ROUSHAN	Water Resource Department, Minor Irrigation Divison, Odisha
34	2001036	2001287329	AMIT KUMAR PARIDA	NALCO DAMANJODI
35	2001037	2001287331	NIBEDITA BAG	Office of the Chief Enginner Secha sadan, Bhubaneswar
36	2001038	2001287333	RAJARASHMI SINDHANI	Department of water resource, Mega lift project, Odisha
37	2001039	2001287335	PRIYANKA SAHU	R&B Dept. GOVT OF ODISHA
38	2001040	2001287337	SUCHETA PRIYADARSINI ROUT	R&B Dept. GOVT OF ODISHA
39	2001041	2001287339	SUBHALAXMI BISWAL	Department of water resource, Mega lift project, Odisha
40	2001042	2001287341	SUSHREE SOVITA	Water Resource Department, Minor Irrigation Divison, Odisha
41	2001043	2001287343	SANTOSH PRADHAN	R&B Dept. GOVT OF ODISHA
42	2001044	2001287345	RITIKA SINGH	R&B Dept. GOVT OF ODISHA
43	2001045	2001287347	KAUSALYA RAY	Department of water resource, Odisha
44	2001046	2001287349	SANAT DAS	Department of water resource, Mega lift project, Odisha
45	2001047	2001287351	SUBAS NAYAK	R&B Dept. GOVT OF ODISHA
46	2001048	2001287353	BISHNUDUTTA MISHRA	R&B Dept. GOVT OF ODISHA
47	2001049	2001287355	SAMBEET SAMANTARAY	Department of water resource, Odisha
48	2001050	2001287357	SUBHASHREE BEHERA	NALCO DAMANJODI

49 2001051	2001287359	KARISHMA DAS	Office of the Chief Enginner Secha sadan, Bhubaneswar
50 2001052	2001287361	ABHISEK SARIK	Department of water resource, Mega lift project, Odisha
51 2001053	2001287363	SUNNY KUMAR	R&B Dept. GOVT OF ODISHA
52 2001054	2001287365	TAPASWINEE SAHUBALINDRA	R&B Dept. GOVT OF ODISHA
53 2001055	2001287367	ASHWINI BARUL	Department of water resource, Odisha
54 2001056	2001287369	BHOLANATH MURMU	Office of the Chief Enginner Secha sadan, Bhubaneswar
55 2001057	2001287371	ARUP KUMAR DUTTA	Water Resource Department, Minor Irrigation Divison, Odisha
56 2001058	2001287373	SWAGATIKA BAUS	NTPC,Anugul
57 2001059	2001287375	SWATI DASH	NALCO DAMANJODI
58 2001060	2001287377	GANESH NAYAK	R&B Dept. GOVT OF ODISHA
59 2001061	2001287379	RITURAJ KUMAR	Department of water resource, Mega lift project, Odisha
60 2001062	2001287381	SANGRAM DAS	Department of water resource, Odisha
61 2001063	2001287383	SNEHANSU SAMAL	NALCO DAMANJODI
62 2001064	2001287385	SUBHRAJIT NAYAK	Assistant Engineer(SCSD-II,CPWD,BBSR
63 2001065	2001287387	SUNIL SETH	R&B Dept. GOVT OF ODISHA
64 2101LE01	2101287014	RISHAV KALUNDIA	IIAT Bhubaneswar
65 2101LE02	2101287003	AMLAN KUMAR SETHI	EAST COAST RAILWAY
66 2101LE03	2101287020	SANJEEB KUMAR KALUNDIA	Office of the Chief Enginner Secha sadan, Bhubaneswar
67 2101LE04	2101287006	BIBEK KUMAR SAHOO	Department of water resource, Odisha
68 2101LE05	2101287022	SIPRA PRADHAN	Assistant Engineer(SCSD-II,CPWD,BBSR
69 2101LE06	2101287011	NIBEDITA RATI	EAST COAST RAILWAY

INTERNSHIP STUDENT LIST 2022-2023

SlNo.	RollNo.	RegdNo.	Name	Company Name
1	191001	1901287001	ABHILESH KUMAR	RSP, ROURKELA
2	191002	1901287002	ANSHUP DHAL	CPWD,BHUBANESWAR
3	191004	1901287004	ARMITA NAYAK	LAT,BBSR
4	191005	1901287005	ARPITA PRADHAN	EAST COAST RAILWAY
5	191006	1901287006	ASHUTOSH DAS	ITR CHANDIPUR
6	191007	1901287007	ASISH KUMAR PANDA	NTPC,Anugul
7	191008	1901287008	ATUL KUMAR SAHU	HAL SUNABEDA
8	191009	1901287009	BIBEK ANAND	R&B Dept. GOVT OF ODISHA
9	191010	1901287010	BISWAJIT BEHERA	RSP, ROURKELA
10	191011	1901287011	CHANDAN BEHERA	CPWD,BHUBANESWAR
11	191012	1901287012	DEBI PRASAD ROUT	LAT,BBSR
12	191013	1901287013	DUSHMANT KUMAR BEHERA	Department of water resource, Mega lift project, Odisha
13	191014	1901287014	HARI NARAYAN SAHANI	NTPC,Anugul
14	191015	1901287015	JITU BEHERA	ITR CHANDIPUR
15	191016	1901287016	LAXMIPRIYA SAHU	NALCO ANGUL
16	191017	1901287017	LIPSA MAJHI	CPWD,BHUBANESWAR
17	191018	1901287018	MADHUKAR KUMAR	Department of water resource, Mega lift project, Odisha
18	191019	1901287019	MANORANJAN MOHANTY	Department of water resource, Odisha
19	191020	1901287020	MARSHAL HANSDAH	R&B Dept. GOVT OF ODISHA
20	191022	1901287021	RUSHIKESH TUDU	LAT,BBSR
21	191023	1901287022	SAIPRASAD KARUAN	NALCO ANGUL
22	191024	1901287023	SANJUDHA BHOLA	Department of water resource, Odisha
23	191025	1901287024	SAMBIT KUMAR PANDA	R&B Dept. GOVT OF ODISHA
24	191026	1901287025	SHAHID ALI	NTPC,Anugul
25	191027	1901287026	SHUBHRANSHU PRIYADARSHAN	Department of water resource, Odisha
26	191028	1901287027	SOUMYA RANJAN PRADHAN	Department of water resource, Mega lift project, Odisha
27	191029	1901287028	SUBHAM DASH	NTPC,Anugul
28	191031	1901287030	UMESH KUMAR	R&B Dept. GOVT OF ODISHA
29	191032	1901287032	BINAYAKA SAHU	Department of water resource, Mega lift project, Odisha
30	191033	1901287034	DEBADATTA PRIYADARSHAN SAHOO	Water Resource Department, Minor Irrigation Divison, Odisha

3119037	1901397036	DEBASIS MISHRA	R&B Dept. GOVT OF ODISHA
3219038	1901397038	JAMUNA SINGH	NALCO ANGUL
3219041	1901397040	JYOTSNA PODHAN	EAST COAST RAILWAY
3419043	1901397043	LAXMIPRIYA MISHRA	Department of water resource, Mega lift project, Odisha
3219045	1901397044	MANAS KUMAR TRIPATHY	NTPC,Anugul
3919047	1901397046	MANOJ KUMAR SETHI	L&T Bhubaneswar
3719048	1901397048	MANUSWINI DAS	Office of the Chief Engineer Secha sadan, Bhubaneswar
3919051	1901397050	NURAYAN TARAI	Department of water resource, Mega lift project, Odisha
3919053	1901397052	RISHIKA GHOSH	R&B Dept. GOVT OF ODISHA
4019052	1901397054	SHUBHASHIS DAS	Department of water resource, Odisha
4119057	1901397056	SHUBHASIS DAS	NALCO DAMANJODI
4219059	1901397058	SOUMYA RANJAN MANSINGH	Office of the Chief Engineer Secha sadan, Bhubaneswar
4319061	1901397060	SOUMYA RANJAN PATRA	R&B Dept. GOVT OF ODISHA
4419063	1901397062	SOMYAKANTA MOHANTY	RGP, ROURKELA
4219065	1901397064	SOVIT KUMAR BEHERA	OPWD,BHUBANESWAR
4919067	1901397066	SURYASHREE PURDA	L&T Bhubaneswar
4719069	1901397068	SUVENDU MAHAKUR	Department of water resource, Mega lift project, Odisha
4919071	1901397070	YAGNYASENI PANDA	NTPC,Anugul
4919073	1901397072	YESWANT DIGAL	ITR,CHANDIPUR
5019075	1901397074	ABHAY KUMAR	NALCO ANGUL
5119077	1901397076	ABHIJEET	OPWD,BHUBANESWAR
5219079	1901397078	ABHIJEET KUMAR	Department of water resource, Mega lift project, Odisha
5219081	1901397080	AKUSH SINGH	Department of water resource, Odisha
5419083	1901397082	ANAND	R&B Dept. GOVT OF ODISHA
5219085	1901397084	ANBHUMAN MISHRA	L&T Bhubaneswar
5919087	1901397086	ARVIND KUMAR GUPTA	NALCO ANGUL
5719089	1901397088	ARYAN RAJ	Department of water resource, Odisha
5919091	1901397090	ASHUTOSH ROUSHAN	Department of water resource, Mega lift project, Odisha
5919093	1901397092	ASIT NARAYAN SAHU	R&B Dept. GOVT OF ODISHA
6019095	1901397094	ASMITA SETH	R&B Dept. GOVT OF ODISHA
6119097	1901397096	ASWINI KUMAR TRIPATHY	Department of water resource, Odisha
6219099	1901397098	AVIJIT SUBUDHI	NALCO DAMANJODI
6319101	1901397100	AVINASH KUMAR	Office of the Chief Engineer Secha sadan, Bhubaneswar
6419103	1901397102	AYESHA PATTNAIK	Department of water resource, Mega lift project, Odisha
6219105	1901397104	BAPUNA JATI	R&B Dept. GOVT OF ODISHA
6919107	1901397106	BIMAL KUMAR JENA	R&B Dept. GOVT OF ODISHA
6719109	1901397108	BISHNUPRIYA BEHERA	Department of water resource, Odisha
6919111	1901397110	DEBASISH JOHURY	Office of the Chief Engineer Secha sadan, Bhubaneswar
6919113	1901397112	DEEPAK KUMAR	Water Resource Department, Minor Irrigation Division, Odisha
7019115	1901397114	DEEPAK RANJAN	NTPC,Anugul
7119117	1901397116	DHIRAJ KUMAR	NALCO DAMANJODI
7219119	1901397118	DIVYA ABHISHEK	R&B Dept. GOVT OF ODISHA
7219121	1901397120	DRONASHISH NAYAK	Department of water resource, Mega lift project, Odisha
7419123	1901397122	GIRIJAPRASAD PURDA	Department of water resource, Odisha
7219125	1901397124	GOURAV KR SINGH	NALCO DAMANJODI
7919127	1901397126	GURU PRASAD DAS	Assistant Engineer/SCSD-ILCP/OPWD,BBSR
7719129	1901397128	GYANANJAYA PANDA	R&B Dept. GOVT OF ODISHA
7919131	1901397130	GYANARANJAN PRADHAN	L&T Bhubaneswar
7919133	1901397132	HIMALAY RAJ	EAST COAST RAILWAY
8019135	1901397134	JUBAIR ALAM	Office of the Chief Engineer Secha sadan, Bhubaneswar
8119137	1901397136	JYOTI KISKU	Department of water resource, Odisha
8000L101	2001397033	ABHISHEK DAS	Assistant Engineer/SCSD-ILCP/OPWD,BBSR
8000L103	2001397091	ANADRI DEVANANDA JOHURI	EAST COAST RAILWAY

8400L104	2021287039	NAMITARANI MAHARANA	Department of water resource, Mega lift project, Odisha
8600L105	2021287004	ANSHU MOHANTY	NTPC
8600L106	2021287038	DIKSHYA MOHANTY	L&T Bhubaneshwar
8730L107	2021287001	ABDUL RAHIM KHAN	Office of the Chief Engineer Sechs sadan, Bhubaneshwar
8600L108	2021287003	ANANDA KUMAR NANDI	Department of water resource, Mega lift project, Odisha
8600L109	2021287012	SUNSKRUTI PUTTUNAYAK	R&B Dept. GOVT OF ODISHA
8020L110	2021287033	BIKRAM KUMAR BISWAL	Department of water resource, Odisha
8130L111	2021287005	ARUNDHATI BHOI	NALCO DAMANJODI
8020L112	2021287006	ASHUTOSH SARANGI	Office of the Chief Engineer Sechs sadan, Bhubaneshwar
8020L113	2021287007	BHAGYASHREE JENA	R&B Dept. GOVT OF ODISHA

INTERNSHIP STUDENT LIST 2021-22

SlNo.	RegdNo.	Name	Company Name
1	1801287003	ABHILASH ROUT	NTPC,kanika
2	1801287012	AFTAB ALAM	NALCO DAMANJODI
3	1801287019	ALIVA BISWAL	L&T BBSR,BBSR,BBSR
4	1801287016	AMIT BIKRAM DAS	SPD CONSTRUCTION
5	1801287024	ANKIT KUMAR	RAMTECH PVT. LTD
6	1801287029	ANKUSH KUMAR SINGH	R&B Dept. GOVT OF ODISHA
7	1801287041	ANOOP GUPTA	L&T BBSR
8	1801287043	ANURAG RAUTARAY	CPWD BBSR
9	1801287059	ASIT KUMAR BHUYAN	EAST COAST RAILWAY
10	1801287060	ASIT KUMAR CHELLAN	R&B, UNIT-IV, BBSR
11	1801287061	BISWARANJAN DAS	SPD CONSTRUCTION
12	1801287064	DEEPAK KUMAR JENA	BMC BBSR
13	1801287087	DHIRAJ KUSHWAHA	RAMTECH PVT. LTD
14	1801287100	JOYSHANKAR DUBEY	L&T BBSR
15	1801287122	MD SHADAB ALAM	CMC CUTTACK
16	1801287127	MUKUL MUNKAM	SPD CONSTRUCTION
17	1801287143	PRITAM PRITIRANJAN	R&B, UNIT-IV, BBSR
18	1801287167	PRIYANKA PRIYADARSHINI	NALCO DAMANJODI
19	1801287183	PUJA K. PANKAJ	DVC DHANBAD
20	1801287186	RAJ NAGWANSHI	R&B Dept. GOVT OF ODISHA
21	1801287202	RAKESH PRADHAN	NALCO DAMANJODI
22	1801287204	RASHMI RANJAN LENKA	J K INFRA
23	1801287208	RASMIRANJAN NAYAK	NTPC,kanika
24	1801287213	RUPASHREE NAIK	NALCO DAMANJODI
25	1801287220	SAMBIT PATTANAIK	L&T BBSR
26	1801287230	SATYAJIT RADHI	SPD CONSTRUCTION
27	1801287232	SIDHARTHA MEHER	RAMTECH PVT. LTD
28	1801287300	TINKU KUMAR RABIDAS	R&B Dept. GOVT OF ODISHA
29	1801287318	ANISHA MALLICK	L&T BBSR
30	1801287399	ANKITA MOHANTA	CPWD BBSR
31	1801287444	ANKITA PATI	EAST COAST RAILWAY
32	1801287493	ANKITA PRIYADARSHINI SAHOO	R&B, UNIT-IV, BBSR
33	1801287510	ASHOK RANA	SPD CONSTRUCTION
34	1801287599	AYUSH MISHRA	BMC BBSR
35	1801287639	BHAGYALAXMI SINGH	RAMTECH PVT. LTD
36	1801287664	BHARAT PRIYARANJAN BARIK	L&T BBSR,Bhubaneshwar
37	1801287702	DEEPAK BAHU	CMC CUTTACK
38	1801287760	DEVI PRASANNA MISHRA	SPD CONSTRUCTION
39	1801287836	DEVIDUTTA BHANJADEO	R&B, UNIT-IV, BBSR
40	1801287879	DIPTIMAYEE MOHAPATRA	NALCO DAMANJODI

41	1801397824	JITENDRA MOHANTY	DVC DHANBAD
42	1801397872	LAXMAN NAIK	R&B Dept. GOVT OF ODISHA
43	1801397930	LEELA CHITA	NALCO DAMANJODI
44	1801397999	MONUJ JENA	J K INFRA
45	1801397116	NIBEDITA PRIYADARSHINI SAHOO	NTPC kanti
46	1801397194	PURNIMA PRIYADARSHINI NAIK	NALCO DAMANJODI
47	1801397312	RAJAT KUMAR BISHOYI	L&T BBSR
48	1801397390	ANIL KUMAR RAWANI	SPD CONSTRUCTION
49	1801397128	N. SUNMUKH RAO	RAMTECH PVT. LTD
50	1801397174	PRAGNYAPARMITA MUND	R&B Dept. GOVT OF ODISHA
51	1801397312	SHUBHAM KUMAR KESHRI	L&T BBSR
52	1801397389	SURYAKANTA NAYAK	CPWD BBSR
53	1801397310	VIKASH KUMAR SHUKLA	EAST COAST RAILWAY
54	1801397397	BHAKTA RANJAN DASH	R&B, UNIT-IV, BBSR
55	1801397374	BISHAL KUMAR SWAIN	SPD CONSTRUCTION
56	1801397390	DEBASHIS GOSWAMY	SMC BBSR
57	1801397139	GAUTAM CHETRY	RAMTECH PVT. LTD
58	1801397113	GYANENJOY ROUT	L&T BBSR
59	1801397115	HEMANTA MANDAL	CMC CUTTACK
60	1801397123	MANTU BAHU	SPD CONSTRUCTION
61	1801397128	MRUTYUNJOYA BAHU	R&B, UNIT-IV, BBSR
62	1801397189	PRIYANKA PRIYADARSHINI DASH	NALCO DAMANJODI
63	1801397199	PRIYANKA TRIPATHY	DVC DHANBAD
64	1801397217	SACHIDANANDA PRADHAN	R&B Dept. GOVT OF ODISHA
65	1801397236	SATYABRAT TRIPATHY	NALCO DAMANJODI
66	1801397237	SHADLAIN ALI KHAN	J K INFRA
67	1801397249	SIBANI SANKAR SWAIN	NTPC kanti
68	1801397253	SMARAK SAMANTARAY	NALCO DAMANJODI
69	1801397263	SOUMYA RANJAN SWAIN	L&T BBSR
70	1801397270	SOURAV KUMAR CHUNNU	SPD CONSTRUCTION
71	1801397286	SWASTIK PRADHAN	RAMTECH PVT. LTD
72	1801397302	UTSAV KUMAR JAISWAL	R&B Dept. GOVT OF ODISHA
73	1801397307	VIDYA PRASAD	L&T BBSR
74	1801397391	JUROJIT MOHANTY	CPWD BBSR
75	1801397179	PREETI DAS	EAST COAST RAILWAY
76	1801397389	ANURAG KUMAR SINHA	R&B, UNIT-IV, BBSR
77	1801397340	BHOUVIK SINHA	SPD CONSTRUCTION
78	1801397341	BHRGYA	SMC BBSR
79	1801397343	BHRUTI KUMARI	RAMTECH PVT. LTD
80	1801397344	BHUBHAM KUMAR	L&T BBSR
81	1801397349	BHUBHAM KUMAR PATEL	CMC CUTTACK
82	1801397347	BHUBHAM PRASADA PATRI	SPD CONSTRUCTION
83	1801397333	ROJALIN MOHANTY	R&B, UNIT-IV, BBSR
84	1801397334	SAISHREE MOHANTY	NALCO DAMANJODI
85	1801397338	SANDHYA BHREE DAS	DVC DHANBAD
86	1801397339	SHIVA NANDA GARDIA	R&B Dept. GOVT OF ODISHA
87	1801397337	SILPA SAHOO	NALCO DAMANJODI
88	1801397336	SONALI NANDA	J K INFRA
89	1801397339	SOUMYARANJAN ROUT	NALCO DAMANJODI
90	1801397330	SUBASINI MALIK	DVC DHANBAD
91	1801397331	SUBHASHREE SETHI	R&B Dept. GOVT OF ODISHA

Industrial/Internship/Summer training of more than two weeks and post training assignment:

After the Industrial/Internship/Summer training verification of the training imparted is done through seminars. The students submit the project report as per the prescribe format. The organisation provides a training certificate as a proof of successful cor

Impact analysis of Industrial training:

Usefulness of the training on the carrier of the students are analysed through the information given by the student and the results obtained from the project report submitted by the student.

Student feedback form initiative:

Feedbacks are taken from the student as to their performances and usefulness of the training to them. On the basis of the student's feedback decision are taken for the next batches.


ALUM TANK

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175)

Define the Program specific outcomes

PSO1	Professional Design & Construction Engineering Skill: Skill to apply the latest Design procedures for civil engineering structure
PSO2	Innovative Skill: An ability to explore new ideas in the field of Civil Engineering with the help of Development of high-quality tec
PSO3	Civil Engineering Entrepreneurships: Scope of Civil and Construction Engineering Entrepreneurships are huge and attractive.

3.1 Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (PS

No. of Core Courses : 6

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name : CO

Course Name	Statements
CO 01.1	To analyze the forces and moments developed in structural members using the principle of equilibrium.
CO 01.2	To introduce the techniques for analyzing internal member forces acting on trusses and frames
CO 01.3	To solve basic problems on centroid, moments of inertia, and the principle of virtual work.
CO 01.4	To apply Newton's law, D'Alembert's Principle for rectilinear and curvilinear motion,
CO 01.5	To Evaluate Kinematics of rotation, Equation of motion of a Rotating rigid body.

Course Name : CO

Course Name	Statements
CO 02.1	To provide a holistic development of the students for the courses in sector of Structural Analysis
CO 02.2	To present the foundations of many basic engineering concepts related to analysis of structures
CO 02.3	To give an experience for implementation of analysis concepts which are applied in the field of structural design.
CO 02.4	To involve in the application of scientific and technological principles of analysis.
CO 02.5	To enable the students realizethe real-life behavior of Civil Engineering structures and to make the students familiar with latest computational techniques and software used for structural analysis.

Course Name : CO

Course Name	Statements
CO 01.1	Analysis of indeterminate structure using slope-deflection method, moment distribution method and kani's method.
CO 01.2	Analysis of indeterminate arch to finding out of the different stress resultant factors like moment and reaction at support, shear force, normal thrust and radial shear at different sections.
CO 01.3	Computer-automated analysis of complex structures by Matrix Method using stiffness method which is suitable statically indeterminate structures.
CO 01.4	Solving structural design problems by flexibility matrix method suitable to kinematically indeterminate structures.
CO 01.5	How to find the shape factors and also formation of plastic hinge in a structure.

Course Name : CO

Course Name	Statements
CO 02.1	Design Bolt Connection of Angle Section to Gusset Plate and Design of Welded Connection of Angle Section to Gusset Plate
CO 02.2	Analyze and Design Axially Loaded Tension Member made up of Angle Section

C9 03.3	Analyze and Design Simr made up of single Section and different built up member
C9 03.4	Solve Numerical on the design of laterally suggorted and unsuggorted beam
C9 03.5	Solve Numerical on the design of plate girder and gantry girder.

Course Name : C1

Course Name	Statements
C1 01.1	The students will have an understanding about Ground Improvement Technique and its aspect in Geotechnical Engineering.
C1 01.2	The student will understand about expansive soil and the various problems of expansive soil and the remedial measures.
C1 01.3	The students will have a basic idea about de-watering and the various types of de-watering techniques and seepage analysis.
C1 01.4	The students will have an understanding about grouting and methods of grouting
C1 01.5	The students will understand about the importance of compaction,types of compaction and methods of compaction for ground improvemen.

Course Name : C1

Course Name	Statements
C1 03.1	To understand the regulatory framework related to safe containment of wastes.
C1 03.2	To evaluate the mechanical and hydraulic properties of soil, solid waste, and geosynthetics
C1 03.3	To quantify the mechanical and hydraulic properties design criteria of projects.
C1 03.4	To justify the selection, design base liner systems, final cover systems for municipal and hazardous waste
C1 03.5	To apply stability, water balance and the design of waste containment facilities.

Course Articulation Matrix

1 . course name : C201

Course	Screenentx	PO1	PO2	PO3
C201.1	To analyze	3	3	3
C201.2	To introduc	3	3	3
C201.3	To solve ba	3	1	3
C201.4	To apply Ne	3	3	3
C201.5	To Evaluate	3	3	3
Average		3.00	2.20	3.00

2 . course name : C202

Course	Screenentx	PO1	PO2	PO3
C202.1	To provide	3	2	1
C202.2	To presen	3	3	3
C202.3	To give an	3	3	3
C202.4	To involve	3	3	3
C202.5	To enable	1	3	3
Average		2.40	2.80	2.60

3 . course name : C201

Course	Screenentx	PO1	PO2	PO3
C201.1	Analysis of	3	3	1
C201.2	Analysis of	3	3	3
C201.3	Computer	3	3	3
C201.4	Solving an	3	3	3
C201.5	How to find	1	1	3
Average		2.20	2.20	2.60

4 . course name : C202

Course	Screenentx	PO1	PO2	PO3
C202.1	Design Sol	3	3	1
C202.2	Analyze an	3	3	3

C303.3	Analyze an	3	3	3
C303.4	Solve Num	3	3	3
C303.5	Solve Num	3	1	3
Average		2.60	2.40	1.00

5 . course name : C401

Course	Statements	PO1	PO2	PO3
C401.1	The studen	3	3	3
C401.2	The studen	3	3	3
C401.3	The studen	3	3	3
C401.4	The studen	3	3	3
C401.5	The studen	3	3	3
Average		3.00	3.00	3.00

6 . course name : C402

Course	Statements	PO1	PO2	PO3
C402.1	To underst	3	3	3
C402.2	To evaluate	3	3	1
C402.3	To quantify	3	3	3
C402.4	To justify th	3	3	3
C402.5	To apply st	3	3	3
Average		3.00	3.00	3.00

1 . Course Name : C201

Course	PSO1	PSO2	PSO3
C201.1	3	2	1
C201.2	3	3	2
C201.3	3	2	1
C201.4	3	1	2
C201.5	3	3	1
Average	2.40	2.20	1.40

2 . Course Name : C202

Course	PSO1	PSO2	PSO3
C202.1	3	2	1
C202.2	3	2	2
C202.3	3	1	2
C202.4	1	2	2
C202.5	3	2	1
Average	2.60	1.80	2.00

3 . Course Name : C301

Course	PSO1	PSO2	PSO3
C301.1	1	3	2
C301.2	3	1	2
C301.3	3	2	2
C301.4	3	1	1
C301.5	3	2	2
Average	2.20	1.80	1.80

4 . Course Name : C302

Course	PSO1	PSO2	PSO3
C302.1	3	3	2
C302.2	1	3	2

C303.3	3	3	3
C303.4	3	3	3
C303.5	3	3	3
Average	1.00	2.40	3.00

5 . Course Name : C101

Course	PSO1	PSO2	PSO3
C101.1	3	3	3
C101.2	1	3	1
C101.3	3	3	3
C101.4	3	3	3
C101.5	3	3	3
Average	2.00	2.40	1.00

6 . Course Name : C102

Course	PSO1	PSO2	PSO3
C102.1	3	3	3
C102.2	3	1	3
C102.3	3	3	3
C102.4	1	3	3
C102.5	3	3	3
Average	2.00	2.20	2.00

Program Articulation Matrix

Course	PO1	PO2	PO3
Engineeri	0	1	0
Engineeri	0	1	0
Basic Ele	0.3	0.9	1
Basic Ch	0	0.7	0
Functiona	0	0.9	1
Programm	0	0.9	1
Physics L	1	1	1
Basic Ele	0	0	0
Basic Mec	0	0	1
Engineeri	0	0	1
Programm	0	0	1
Functiona	0	0.9	1
Engineeri	0	0	1
Engineeri	0	0.9	1
Basic Ele	1.7	1.9	1
Basic Ch	1.3	0.9	1
Programm	0	0.9	0.9
Business	0	0.9	0.9
Chemistry	1	1	0
Basic Ele	0	0	1
Basic Ch	1	1	1
Workshop	1	1	0
Programm	1.9	0.7	1
Data Struc	1.9	0.9	0.7
Mechanics	0	0.9	1
Fluid Mec	0	0.9	1
Geotechni	1.9	0.9	1
Surveying	1.3	0.9	1.1
Universal	1.9	0.9	1
Environm	1.9	0.7	1.1
Engineeri	1.9	0.7	1.9

Structural	2.2	2.7	2.7
Transport	1.2	1.8	2.6
Water and	1.8	2.2	2.1
Concrete	2.1	2.7	2.8
Engineeri	2.2	2.7	2.8
Construct	2	2.7	1
Fluid Mec	1.1	1.1	1
Geotechni	1	1	0
Survey Fo	1.1	0	1.2
Data Struc	1.8	2.2	2.4
Transport	1	1.1	1.2
Environm	1	0	1
Civil Engi	0	1	0
Mini Proje	1	1	0
Structural	2.8	2.8	2.2
Design of	2.8	2.8	2.2
Hydrology	2.1	2.8	2.2
Foundatio	1	1.8	1.7
Solid Was	2.4	2.7	2.1
Essence c	1.8	1.4	1.8
Structural	1	0	0
Design of	1	1	1
Concrete	0	0	1
Evaluatior	1	0	1
Mini Proje	1	0	0
Design of	2.8	2	2.1
Irrigation E	1.7	2.7	1.8
Estimator	2	2.7	2.2
Earthquak	2	2.8	1.8
WaterRes	1	2.8	2.4
IOT	1	2.2	2.8
Hydraulic	0	0	0

Design of	1	0	1
Seminar	0	1	0
Minor Proj	1	0	0
Organizat	1	0	1.7
Transport	0.1	0.0	0.4
Pre-stress	0.0	0.1	0.7
Ethnograp	0.1	0.4	0.0
Disaster M	1.0	0.0	0.6
Industrial	0	1	1.4
Evaluatior	0.1	0	0.4
Minor Proj	0	1	0
Major Proj	0	1	0
External I	1	1	0

Course	PSO1
Basic Ch	0.0
Basic Ch	0
Basic Ele	1.1
Basic Ele	0
Basic Ele	1.0
Basic Ele	0
Basic Me	0.0
Basics Of	0
Business	0.1
Chemistry	0.0
Civil Engi	0
Concrete	0
Concrete	0.1
Construct	1.0
Data Struc	0
Data Struc	1.0
Design of	1
Design of	1.0

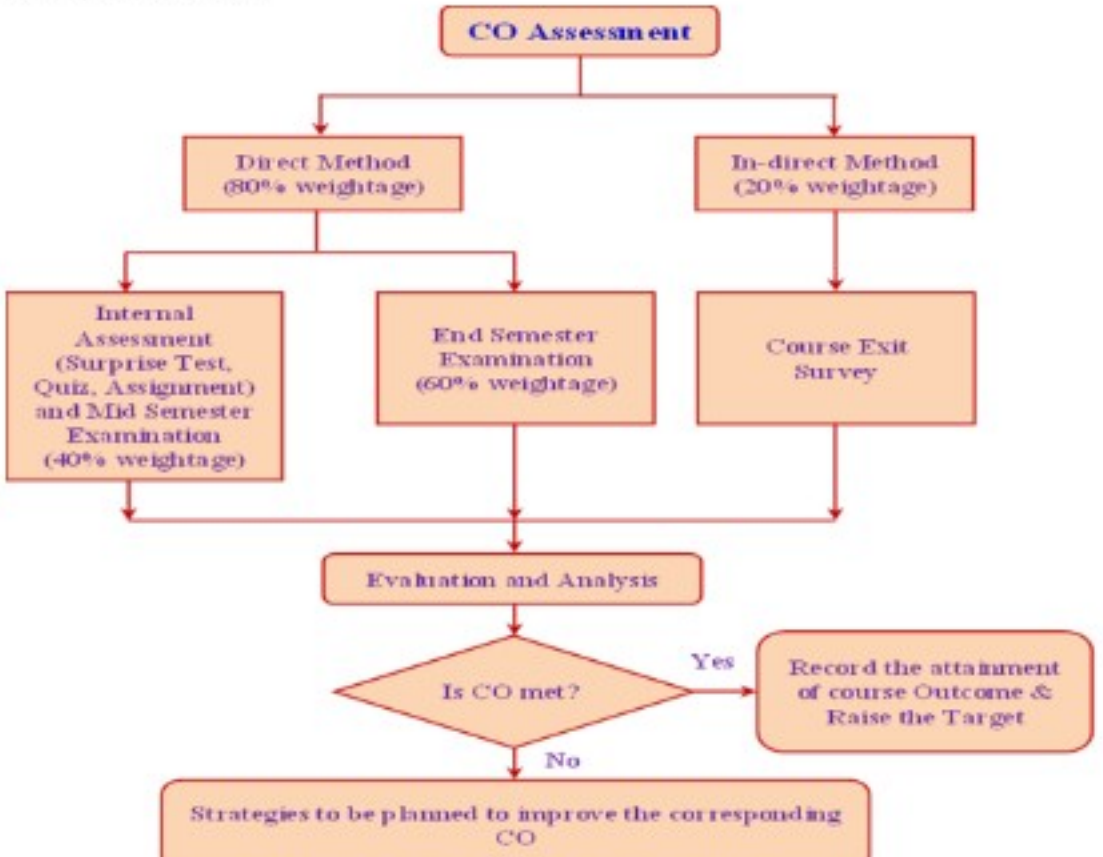
Design of	1.0
Design of	0.1
Disaster M	0
Earthquak	0
Engineerin	1
Engineerin	0.1
Engineerin	0
Engineerin	1.0
Engineerin	0.0
Engineerin	0.1
Engineerin	0
Entrepren	0.1
Environme	1.0
Environme	0.0
Essence c	0.0
Estimator	0
Evaluator	0
Evaluator	1.0
External I	0
Fluid Mec	1.0
Fluid Mec	1.7
Foundatio	1.0
Functiona	0
Functiona	1.0
Geotechni	1.0
Geotechni	0
Hydraulic	0.1
Hydrology	1.0
Industrial	0
IOT	1.0
Irrigation I	1.0
Major Proj	0.1

Mechanic	2.0
Mini Proje	1.0
Mini Proje	1.0
Minor Proj	1.0
Minor Proj	1.0
Organizat	1.0
Physics Li	0
Pre-stress	1.0
Programm	2.1
Programm	1.0
Programm	1.0
Programm	1.1
Seminar	2.1
Solid Was	1.0
Structural	2.1
Structural	0
Structural	1.0
Survey Fi	1
Surveying	0
Transport	1.0
Transport	1.0
Transport	1.0
Universal	1
Water and	1.0
WaterRes	1.1
Workshop	0

3.2 Attainment of Course Outcomes (72)

3.2.1 Describe the assessment tools and processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Course Outcome Assessment processes:



Keeping in view the objectives of the course, the curriculum has been designed by the Institution, which we are being adhered to. Accordingly the teaching learning process it has been designed. Apart from the black board teaching we are adopting po In a regular interval feedbacks were collected from the students, parents, alumni,employer, expert from industryand academia etc. for requirement of any possible modification for improvement to achieve the desired course outcomes. The advisory com Considering the weightage/ roughness of the subjects, the Departmental Advisory Committee in consultation with the Institute advisory Committee have set a target for attainment of PO, PSO and PEO. Wherever the target couldnt be achieved necessi

The below shows the assessment tools used for CO attainment.

	Assessment method
Theory	Direct Method (80% weightage)
	Indirect Method (20% weightage)
Lab	Direct Method (80% weightage)
	Indirect Method (20% weightage)
Project	Direct Method

Level	Description
	Internal assessment
1	<=50% of the students secure 70 % or more marks
2	50-60% of the students secure70% or more marks.
3	>=60% of the students secure 70% or more marks.

Course exit survey measures the student responses on a 4-point scale (1= strongly agree, 2= agree, 3=disagree and 4=strongly disagree).

Below Table shows the description of attainment level for Indirect assessment.

Level	Description
1	<= 50% of the students strongly agree or agree that CO has been attained
2	50- 60%of the students strongly agree or agree that CO has been attained
3	>=60% of the students strongly agree or agree that CO has been attained

If target attainment is not achieved, causes are identified and remedial actions are taken to attain the target in subsequent years.

Course Outcome Assessment processes for Seminar:

One seminar will be conducted per student in the final year 8th semester by a committee. Seminar will be consisting of the Head of the Department and three senior faculty members of the department whom shall be the Seminar Coordinator(s).Semin

Review	Agenda	Assessment	Review Assessment Weightage

Peghase	Seminar Synopsis / Proposal Evaluation	Rubric #R1	20% (20 Marks)
Phase-I	1st Phase Seminar Evaluation	Rubric #R2	10% (10 Marks), 10% (10 Marks)& 10% (10 Marks)
Phase-II	2nd Phase Seminar Evaluation	Rubric #R3, #R4	10% (10 Marks), 10% (10 Marks)& 10% (10 Marks) 30(30 Marks)%
Total			100% (100 marks)

The Internal Assessment marks are given based on the evaluation done by the committee members (Head of the Department and Seminar Coordinator(s)) along with the guide and reviewer following the rubrics set by the department as follows: Stude

Phase I will be evaluated based on problem identification and quality of representation. Students are expected to clearly define the objectives, abstract and ppt in seminar.

Phase-II will be evaluated based on the quality of extent of response of other students and attendance. The Internal project guide will continuously guide, monitor the students on weekly basis and get the updates of the works done by their correspondi

Student's performance is evaluated in each phase by following evaluation criteria:

Review	Agenda	Assessment	Review Assessment Weightage
Peghase	Seminar Synopsis / Proposal Evaluation	Rubric #R1	20% (20 Marks)
Phase-I	1st Phase Seminar Evaluation	Rubric #R2	10% (10 Marks), 10% (10 Marks)& 10% (10 Marks)
Phase-II	2nd Phase Seminar Evaluation	Rubric #R3, #R4	10% (10 Marks), 10% (10 Marks)& 10% (10 Marks) 30(30 Marks)%
Total			100% (100 marks)

Seminar Evaluation Sheet- Peghase Table:

Department of Civil Engineering
Peghase Seminar Evaluation Sheet

Questions	Excellent (20Marks)	Good (15Marks)	Average (10Marks)	Poor (5Marks)
Q.1) The topic is relevant for seminar? Q.2) Student has specified objectives?				

Seminar Evaluation Sheet– Phase I Table:

Department of Civil Engineering
Seminar Evaluation Sheet phase-I

	Excellent (3Marks)	Good (2Marks)	Average (1Marks)	Poor (1Marks)
Q.1) Student has mentioned literature Survey, Purpose and need of the Topic?				
Q.2) Student has presented abstract with clarity and well in thoughts?				
Q.3) Student has given presentation covering all aspects of the specification?				

Seminar Evaluation Sheet – Phase II

Department of Civil Engineering
Seminar Evaluation Sheet Phase-II

	Excellent (3Marks)	Good (2Marks)	Average (2Marks)	Poor (1Marks)
Q.1) Student has given the basic reason for selecting the topic?				
Q.2) Student has proper voice clarity with communication skill?				
Q.3) Student has given planned an impressive representation?				
Q.4) The style, structure and format of report is appropriate?				
Q.5) The seminar report is well explained and referenced?				
Q.6) Student has summarized and concluded properly in report?				

Course Outcome /Assessment processes for Minor Project :

According to syllabus curriculum Projects are selected based on the student's interest. Students will be divided into groups. Each group is having a maximum of 3-4. Every group will be mentored by a faculty (guide). Project batches are allotted to the g

Phase-I will be evaluated based on problem identification. Students are expected to clearly define the objectives, work plan and methodology with the support of literature survey. Phase-II will be evaluated based on the design and implementation. The

Phase-III will be evaluated based on the working model or project prototype and project hard copy.

For project evaluation, assessment process considers the marks scored in reviews, Semester End examination Project Viva Voice is conducted by the panel of external examiners deputed controller of examination.

Course outcomes of Minor Project	Rubrics for evaluation
Understand project requirements and objectives through literature research.	PR1
Apply project management techniques for planning and organizing the project.	PR2

Analyze project data to draw conclusions and assess progress. PR4,PR5
Design innovative solutions based on project findings. PR5
Create a detailed report and presentation to communicate project outcomes. PR5
Student's performance is evaluated in each phase by following evaluation criteria.

Review	Agenda	Assessment	Review Assessment Weightage
Phase-I	Project Synopsis /Proposal Evaluation 1stPhase Project Evaluation	Rubric/PR1 Rubric/PR3& PR5	12%(12) 12%(12)& 2%(02)
Phase-II	2ndPhase Project Evaluation	Rubric/PR3& PR5	20%(20)&12% (12)
Phase-III	End Semester Internal Project Evaluation	Rubric/PR4,PR5 &PR6	10%(10), 10% (10), 10%(10)
Total			100%(100)

Minor Project Evaluation Sheet:

Department of Civil Engineering

Minor Project Evaluation Sheet phase-I

	Excellent (2Marks)	Good (2Marks)(1-1Marks)	Average	Poor (7Marks)
Q.1) The topic is relevant for project?				
Q.2) Student has specified social, environmental and ethical issues of the project problem?				
Q.3)Student has justified project objectives properly?				
Q.4) Student has mentioned Purpose and need of the Topic?				
Q.5)Student has mentioned literature Survey,Purpose and need of the Topic				
Q.6) Student has done proper structural requirement analysis and specification?				

Q.7) Student has given methodology specification covering all aspects of project?

Department of Civil Engineering

Minor Project Evaluation Sheet phase-II

	Excellent (10Marks)	Good (12Marks)	Average (6Marks)	Poor (2Marks)
Q.1) The student has done design covering all aspects of the specification and fully appropriate to the project?				
Q.2) Student has utilized civil engineering principles and models both at higher and lower levels in implementation from design cycle?				
Q.3) Student has presented a good quality of work giving full coverage of the design and durability requirement.				

Department of Civil Engineering

Minor Project Evaluation Sheet phase-III

	Excellent (20Marks)	Good (16Marks)	Average (22Marks)	Poor (14Marks)
Q.1) The student has done design covering all aspects of the specification, fully appropriate to the project, and showing clear thinking?				
Q.2) Student has achieved all the objectives and each module working well and properly demonstrated?				
Q.3) Student has presented demo where Contents of presentations are appropriate and well organized?				
Q.4)Student is showing his/her dependency in project?				
Q.5) Whether the student is showing completion of work referring to the original set plan?				

Q.6) The report is with proper style and form?
Q.7)The project reports well explained and referenced?
Q.8) The student has specified results, conclusion and discussion properly?

Course Outcome Assessment processes for Major Project:

According to syllabus curriculum Projects are selected based on the student's interest. Students will be divided into groups. Each group is having a maximum of 3-4. Every group will be mentored by a faculty (guide). Project batches are allotted to the g

Phase-I will be evaluated based on problem identification. Students are expected to clearly define the objectives, work plan and methodology with the support to literature survey.

Phase-II will be evaluated based on the design and implementation. The internal project guide will continuously guide, monitor the students on weekly basis and get the updates of the works done by their corresponding batch of students.

Phase-III will be evaluated based on the working model or project prototype and project hardcopy.

For project evaluation, assessment process considers the marks scored in reviews. Semester End examination Project Viva Voice is conducted by the panel of external examiners deputed controller of examination. External examiners will examine the

Course outcomes of Major Project	Rubrics for evaluation
Understand project requirements and objectives through literature research.	PR1
Apply project management techniques for planning and organizing the project.	PR2
Analyze project data to draw conclusions and assess progress.	PR1,PR3
Evaluate project results against objectives for effectiveness and quality.	PR3
Design innovative solutions based on project findings.	PR3

Dear Student,

Thank you for participating in this Course Exit Survey for Structural Analysis-I. Your feedback is essential for us to improve the teaching and learning experience. Kindly take a few minutes to complete this survey. Your responses will remain confidentia

Section A: General Information

1. Name (Optional): _____
2. Roll Number (Optional): _____

3. Semester: _____
4. Course Instructor: _____
5. Academic Year: _____

Section D: Course Outcomes (COs) Assessment

Please rate how well the course has helped you achieve the following outcomes on a scale of 1 to 5, where 1 = Poor and 5 = Excellent.

Sl. No.	Course Outcomes (COs)	1	2	3	4	5
1	Graduate will demonstrate an ability to provide a holistic development of the students for the courses in sector of Structural Analysis	☐	☐	☐	☐	☐
2	Graduate will demonstrate an ability to present the foundations of many basic engineering concepts related to analysis of structures	☐	☐	☐	☐	☐
3	Graduate will demonstrate an ability to explain various internal forces like axial force, shear force and bending moment in structures	☐	☐	☐	☐	☐
4	Graduate will demonstrate an ability to evaluate deformation of statically determinate beams and in pin-joined plane trusses using appropriate methods	☐	☐	☐	☐	☐
5	Graduate will demonstrate an ability to use internal forces in the statically indeterminate beams like propped cantilever beam, fixed beam and continuous beam	☐	☐	☐	☐	☐

Section C: Course Effectiveness

Please rate the following aspects of the course on a scale of 1 to 5, where 1 = Poor and 5 = Excellent.

Sl. No.	Course Attributes	1	2	3	4	5
1	Clarity of course objectives and learning outcomes	☐	☐	☐	☐	☐
2	Effectiveness of teaching methodology	☐	☐	☐	☐	☐
3	Availability and usefulness of course materials	☐	☐	☐	☐	☐
4	Relevance of course content to practical applications	☐	☐	☐	☐	☐
5	Effectiveness of lab/tutorial sessions (if applicable)	☐	☐	☐	☐	☐
6	Use of real-world examples and problem-solving approaches	☐	☐	☐	☐	☐
7	Opportunities for interaction and doubt clarification	☐	☐	☐	☐	☐

Section D: Suggestions for Improvement

1. What did you like the most about the Structural Analysis-I course?

2. What improvements would you suggest for the course content, teaching methods, or assessment techniques?

3. Would you recommend any additional topics to be covered in future offerings of this course?

4. Any additional comments:

Thank you for your time and valuable feedback! Your input will help us improve the quality of education.

Course Instructor
Department of Civil Engineering
GITA Autonomous College, Bhubaneswar

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (60)

CO Attainment Direct:

GITA Autonomous College, Bhubaneswar (Affiliated to BPUT, Odisha)

Department of Civil Engineering

Course Assessment

Course Name: Design of Concrete Structures

Faculty Name: Chinmaya Sahoo

Course Code: 21BTCETPE02I

Internal Examination-1

Surprise Test (Weightage=2)

S.No	Roll No.	REGD. NO	Name	1	2	3	4	5	6	7	8
			Maximum Marks	2	2	2	2	2	2	2	2
			CO	1	1	1	1	2	2	2	2
1	2101001	2101287002	AKASH AMAT	2	2	2	2	2	2	2	2
2	2101002	2101287003	AMIT KUMAR NAYAK	2	2	2	2	2	2	2	2
3	2101003	2101287004	AMIYA RARIDA	1	2	2	2	1	2	2	1
4	2101004	2101287005	ANSHU RAJ	2	1	2	1	2	1	2	1
5	2101005	2101287001	AP SUNIL	2	2	2	2	2	2	2	2
6	2101006	2101287006	ASHIS KUMAR MALLICK	2	2	2	2	2	2	2	2
7	2101007	2101287016	ASHUTOSH PATRA	2	2	2	2	2	2	2	2
8	2101008	2101287007	ASUTOSH SARIK	2	2	1	1	2	1	2	1
9	2101009	2101287008	BIKASH DAS	2	2	2	2	2	2	2	2
10	2101010	2101287009	BISHAL PATTNAYAK	1	1	2	2	1	2	2	2
11	2101011	2101287010	DEBASHISH SAMANTARAY	2	2	1	1	2	2	1	1
12	2101012	2101287011	KSHYETRA MOHAN PRADHAN	2	1	1	2	2	1	1	2
13	2101013	2101287012	MONALISA KISKU	2	2	2	2	2	2	2	2
14	2101014	2101287013	PRITAM CHOUDHURY	2	2	2	2	2	2	2	2
15	2101015	2101287014	SOUMYA RANJAN PRADHAN	2	2	2	2	2	2	2	2

16	2101016	2101287017	SUBHRAJEET CHAKRABORTY	0	0	0	0	0	0	0	0
17	2101017	2101287018	SUPRIYA MOHAPATRA	1	0	0	1	1	0	0	0
18	2101018	2101287709	ABHISHEK KUMAR	0	0	0	0	0	0	0	0
19	2101019	2101287710	ANSHUMAN PANDA	0	0	0	0	0	0	0	0
20	2101020	2101287711	BHAGYASHRI MOHAPATRA	0	0	0	0	0	0	0	0
21	2101021	2101287712	BHURU KUMAR	0	0	0	0	0	0	0	0
22	2101022	2101287713	BISWAJEET PRADHAN	1	0	0	1	1	0	0	0
23	2101023	2101287714	DIDHIGMITU NAIK	0	0	0	0	0	0	0	0
24	2101024	2101287715	DEBASISH BAHOO	0	0	0	0	0	0	0	0
25	2101025	2101287716	DEBASISH KUMAR JENA	0	0	0	0	0	0	0	0
26	2101026	2101287717	DEEPAK KUMAR SINGH	0	0	0	0	0	0	0	0
27	2101027	2101287718	KUMAR RAVI	1	0	0	1	1	0	0	0
28	2101028	2101287719	MADHURIMA BARPANDA	1	0	0	1	1	0	0	0
29	2101029	2101287720	MANASWEE NAYAK	0	0	0	0	0	0	0	0
30	2101030	2101287721	MANISH AGRAWAL	0	0	0	0	0	0	0	0
31	2101031	2101287722	MUKESH MAURYA	0	0	0	0	0	0	0	0
32	2101032	2101287723	NAVEEN KUMAR PANDEY	0	0	0	0	0	0	0	0
33	2101033	2101287724	P. NANAK KUMAR PATRA	1	0	0	1	1	0	0	0
34	2101034	2101287725	PUTUPURNA MISHRA	0	0	1	1	1	1	0	0
35	2101035	2101287726	SIDHARTH KUMAR PALEI	0	0	0	1	1	0	0	0
36	2101036	2101287727	SUBHANTU PANDA	0	0	0	0	0	0	0	0
37	2101037	2101287728	SIDHNUPRASAD DALABEHERA	0	0	0	0	0	0	0	0
38	2101038	2101287729	SHREYA KUMARI SAHU	0	1	0	0	1	1	0	1
39	2101039	2101287730	DEEPAK KUMAR DAS	1	0	0	1	1	0	0	1
40	2101040	2101287731	SATYABRATA BARIK	0	0	0	0	0	0	0	0
41	2101041	2101287732	ITISHREE PANDA	0	0	0	0	0	0	0	0
42	2101042	2101287733	SUBHALAXMI BEHERA	0	0	0	0	0	0	0	0
43	2101043	2101287734	RAKESH CHANDRA BAHOO	0	0	0	0	0	0	0	0
44	2101044	2101287735	BHUVAN BIHARI	0	0	0	0	0	0	0	0
45	2101045	2101287736	OM NAMA SIVAYA DEBATA	1	0	0	1	1	0	0	0
46	2101046	2101287737	DEBA PRASAD ROUT	1	0	0	1	0	1	1	0
47	2101047	2101287738	BALAKRUSHNA HARICHANDAN	0	0	0	0	0	0	0	0

48	2101048	2101287734	CHANDAN MAHARANA	1	1	1	1	2	2	2	2
49	2101049	2101287738	DEBAJYOTI PATTANAIK	2	2	2	2	2	2	2	2
50	2101050	2101287739	ANKIT KUMAR	2	2	2	2	2	2	2	2
51	2101051	2101287790	SANANDA KUMARI MAHAPATRA	2	2	2	2	2	2	2	2
52	2101052	2101287792	DIBYAJYOTI BEHERA	2	2	2	2	2	2	2	2
53	2101053	2101287794	AQUIB ANWAR KHAN	2	2	1	1	1	1	2	2
54	2101054	2101287798	PRAVEEN CHOUDHURY	2	2	2	2	2	2	2	2
55	2201L01	2201287078	DIBYASHREE SETHY	2	2	2	2	2	2	2	2
56	2201L02	2201287080	MONALISA KUMARI	1	1	2	2	2	1	2	2
57	2201L03	2201287083	PRIYANSU PRIYORANJAN GHADAI	2	2	2	2	2	2	2	2
58	2201L04	2201287088	SHAKTI PRASAD BEHERA	2	2	2	2	2	2	2	2
59	2201L05	2201287090	SHREYASH PANDA	1	2	2	1	2	1	1	2
60	2201L06	2201287093	SURAJ KUMAR MARNDI	2	1	1	2	2	2	1	1
61	2201L07	2201287095	TRUPTIMAYEE MALLIK	2	1	2	2	1	1	2	2
Average Mark				1.786885246	1.87	1.89	1.74	1.77	1.84	1.90	1.89
Last 3 Years Average * 79% (Target)				1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Students Scored Above Target mark				48	53	54	45	47	51	56	54
No. of Students Attempted the Question				61	61	61	61	61	61	61	61
% Students Scored Above Target Mark				78.68852459	86.9	88.5	73.8	77.0	83.6	91.8	88.5
Attainment Level				3	3	3	3	3	3	3	3

CO Attainment Indirect:

Sl No.	Roll No.	Regd No.	CO1	CO2	CO3	CO4	CO5
1	2101001	2101287002	3	3	3	3	1
2	2101002	2101287003	3	3	3	3	3
3	2101003	2101287004	3	3	3	3	3
4	2101004	2101287005	3	3	3	3	3
5	2101005	2101287001	3	1	3	2	1
6	2101006	2101287006	3	3	3	3	2
7	2101007	2101287018	3	3	2	2	3
8	2101008	2101287007	3	3	3	0	3
9	2101009	2101287008	3	3	3	3	2
10	2101010	2101287009	3	3	1	3	3
11	2101011	2101287010	3	3	3	2	1
12	2101012	2101287011	3	3	0	3	3
13	2101013	2101287012	3	3	3	3	3
14	2101014	2101287013	3	0	3	3	2

15	2101015	2101397014	0	0	0	0	0
16	2101016	2101397017	0	0	0	0	0
17	2101017	2101397018	0	0	1	0	0
18	2101018	2101397709	0	0	0	0	0
19	2101019	2101397710	0	0	0	0	0
20	2101020	2101397711	0	0	0	1	0
21	2101021	2101397712	0	0	1	0	1
22	2101022	2101397713	1	0	0	0	0
23	2101023	2101397714	0	0	0	0	0
24	2101024	2101397715	0	0	0	0	0
25	2101025	2101397716	0	0	0	0	0
26	2101026	2101397717	0	0	0	0	0
27	2101027	2101397718	0	0	0	0	0
28	2101028	2101397719	0	0	0	0	1
29	2101029	2101397720	0	0	0	0	0
30	2101030	2101397721	0	0	0	0	0
31	2101031	2101397722	0	0	0	0	0
32	2101032	2101397723	1	0	0	0	0
33	2101033	2101397724	0	0	0	0	0
34	2101034	2101397725	0	0	0	0	0
35	2101035	2101397726	0	0	0	0	0
36	2101036	2101397727	0	0	1	0	0
37	2101037	2101397728	0	0	0	0	0
38	2101038	2101397734	0	0	0	0	0
39	2101039	2101397735	0	0	0	0	0
40	2101040	2101397736	0	0	0	0	0
41	2101041	2101397737	0	0	0	0	0
42	2101042	2101397738	0	0	0	0	0
43	2101043	2101397744	0	0	0	0	0
44	2101044	2101397745	0	0	0	0	0
45	2101045	2101397746	0	0	0	0	0
46	2101046	2101397747	1	0	0	0	0
47	2101047	2101397748	0	0	1	0	1
48	2101048	2101397749	1	0	0	0	0
49	2101049	2101397750	0	0	0	0	0
50	2101050	2101397751	0	0	0	0	0
51	2101051	2101397752	1	0	0	0	0
52	2101052	2101397753	0	0	1	0	1
53	2101053	2101397754	1	0	0	0	0
54	2101054	2101397755	0	0	0	0	0
55	2201L01	2201397079	0	0	0	0	0
56	2201L02	2201397080	1	0	0	0	0
57	2201L03	2201397082	0	0	1	0	1
58	2201L04	2201397084	1	0	0	0	0
59	2201L05	2201397085	1	0	0	0	0
60	2201L06	2201397083	0	0	1	0	1
61	2201L07	2201397087	0	0	0	0	0
		Average	0.24	0.77	0.34	0.79	0.22
		Overall Average	2.36				
		Rare-2	0.00				
		Rare-4	0.00				

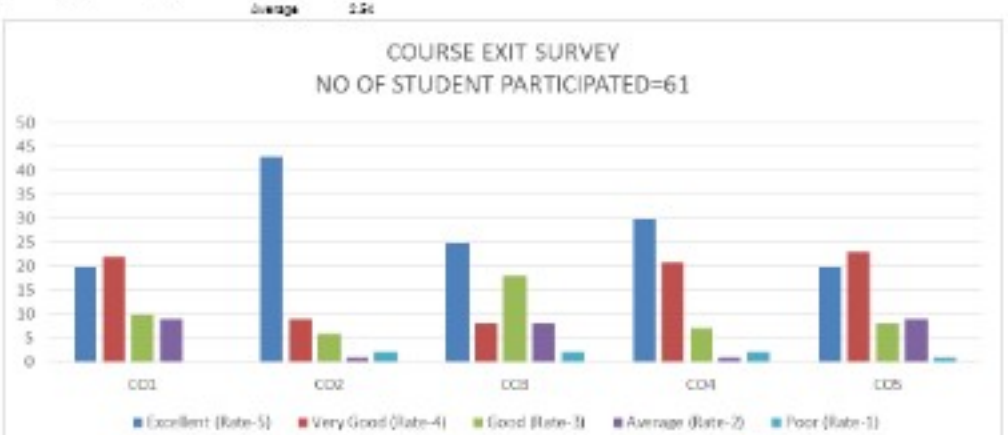
Rate-0	0.00
Rate-2	1.00
Rate-1	0.00

Summary of Course Exit Survey

Course Outcome	Excellent (Rate-5)	Very Good (Rate-4)	Good (Rate-3)	Average (Rate-2)	Poor (Rate-1)	Total
CO1	20	22	10	9	0	61
CO2	43	9	6	1	2	61
CO3	25	8	18	8	2	61
CO4	30	21	7	1	2	61
CO5	20	23	8	9	1	61

CO Attainment

S. No.	COs Number	Direct Attainment	Indirect Attainment	Overall Attainment
1	CO1	0.91	0.91	0.91
2	CO2	0.99	0.77	0.43
3	CO3	0.48	0.91	0.48
4	CO4	0.69	0.75	0.69
5	CO5	0.91	0.82	0.82
			Average	0.91



PO-PSO Attainment

Course Name: Design of Concrete Structures Course Code: 21ST0STPSDH

CO No.	Course Outcome	Higher Cognitive Level	POs	PSOs
CO1	Upon completion of the subject, students will have the knowledge of Classify Working Stress and Limit State method in design of reinforced concrete structures.	K4	1, 2, 3, 4, 5, 6, 7, 11, 12	1, 2
CO2	Upon completion of the subject, students will have the knowledge of Analyse and design of beams.	K4	1, 2, 3, 4, 5, 6, 7, 11, 12	1, 2
CO3	Upon completion of the subject, students will have the knowledge of Design slabs, stair case and canopy.	K3	1, 2, 3, 4, 5, 11, 12	1, 2
CO4	Upon completion of the subject, students will have the knowledge of Design columns	K3	1, 2, 3, 4, 5, 6, 7, 11, 12	1, 2
CO5	Upon completion of the subject, students will have the knowledge of Design of footings,beams and slabs for Limit state of serviceability.	K3	1, 2, 3, 4	1, 2

CO No.	CO Mapping with PO												CO-PSO Mapping		
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	-	-	-	3	3	3	3	-
CO2	3	3	3	3	3	3	1	-	-	-	3	3	3	3	-
CO3	3	3	3	3	1	-	-	-	-	-	1	1	3	3	-
CO4	3	3	3	3	3	1	1	-	-	-	1	1	3	3	-
CO5	3	3	3	1	-	-	-	-	-	-	-	-	1	1	-
AVERAGE	3.00	3.00	3.00	3.00	3.00	1.67	1.33	-	-	-	1.20	1.20	3.00	3.00	-

3-High, 2-Medium, 1-Low

Here in the table, 3 corresponds to a high correlation, 2 corresponds to a medium correlation, and 1 corresponds to a low correlation between CO and PO/PSO.

	PO Attainment												PSO Attainment		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Average PO Mapping (M)	3.00	3.00	3.00	3.00	3.00	1.67	1.33	-	-	-	1.20	1.20	3.00	3.00	-
PO Attainment	2.07	2.00	2.00	1.99	1.91	1.41	1.13	-	-	-	1.27	1.27	1.99	2.03	-

CO Attainment

Sl. No.	COs Number	Direct Attainment	Indirect Attainment	Overall Attainment
1	CO1	2.94	2.94	2.94
2	CO2	2.93	2.77	2.43
3	CO3	2.43	2.34	2.43
4	CO4	2.63	2.75	2.65
5	CO5	2.94	2.93	2.93
	Average			2.94

CO No.	CO Mapping with PO												CO-PSO Mapping		
CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	3	-	-	-	3	3	3	3	-
CO2	3	3	3	3	3	3	1	-	-	-	3	3	3	3	-
CO3	3	3	3	3	1	-	-	-	-	-	1	1	3	3	-
CO4	3	3	3	3	3	1	1	-	-	-	1	1	3	3	-
CO5	3	3	3	1	-	-	-	-	-	-	-	-	1	1	-
PO Attainment	2.94	2.94	2.47	2.49	2.52	2.43	2.45	-	-	-	2.43	2.43	2.45	2.44	-

PO1 Attainment =
(2.94*3+2.47*3+2.43*3+2.52*3+2.52*3)/(3+3+3+3+3)

2023-24

Sl No	Subjects	Attainment Level
1	Engineering mathematics-I	1.94
2	Engineering chemistry	2.1
3	Basic electronics Engineering	2.13
4	Basics of Civil Engineering	2.33
5	Functional English	2.34
6	Programming for Problem Solving using C	2.33
7	Chemistry Lab	2.27
8	Basic Electronics Engg. Lab	2.33
9	Basic Civil Engineering Lab	2.27
10	Engineering Graphics & Design Lab	2.33
11	Programming for Problem Solving using C Lab	2.13
12	Functional English Lab	1.99
13	Engineering mathematics-II	1.94

2022-23

Sl No	Subjects	Attainment Level
1	Engineering mathematics-I	1.97
2	Engineering chemistry	1.99
3	Basic electronics Engineering	2.11
4	Basics of Civil Engineering	2.29
5	Functional English	2.19
6	Programming for Problem Solving using C	2.29
7	Chemistry Lab	2.25
8	Basic Electronics Engg. Lab	2.29
9	Basic Civil Engineering Lab	2.19
10	Engineering Graphics & Design Lab	2.29
11	Programming for Problem Solving using C Lab	2.09
12	Functional English Lab	1.79
13	Engineering mathematics-II	1.93

2021-22

Sl No	Subjects	Attainment Level
1	Engineering mathematics-I	1.93
2	Engineering chemistry	1.94
3	Basic electronics Engineering	1.97
4	Basics of Civil Engineering	2.19
5	Functional English	2.07
6	Programming for Problem Solving using C	2.14
7	Chemistry Lab	2.17
8	Basic Electronics Engg. Lab	2.19
9	Basic Civil Engineering Lab	2.09
10	Engineering Graphics & Design Lab	2.19
11	Programming for Problem Solving using C Lab	1.9
12	Functional English Lab	1.97
13	Engineering mathematics-II	1.74

14	Engineering physics	1.91	14	Engineering physics	1.97	14	Engineering physics	1.77
15	Basic Electrical Engineering	2	15	Basic Electrical Engineering	1.93	15	Basic Electrical Engineering	1.99
16	Basics of Mechanical Engineering	1.99	16	Basics of Mechanical Engineering	1.91	16	Basics of Mechanical Engineering	1.93
17	Programming for Problem Solving using 'Python'	2.1	17	Programming for Problem Solving using 'Python'	1.99	17	Programming for Problem Solving using 'Python'	1.79
18	Business Communication and life skills	2.02	18	Business Communication and life skills	2.01	18	Business Communication and life skills	2.02
19	Programming for problem solving using C	2.036	19	Programming for problem solving using C	2.02	19	Programming for problem solving using C	2.12
20	Bussiness Commulcation and life skill	2.09	20	Bussiness Commulcation and life skill	2.09	20	Bussiness Commulcation and life skill	2.19
21	Physics Lab	2.09	21	Physics Lab	2.07	21	Physics Lab	2.09
22	Basic Electrical Engg. Lab	2.09	22	Basic Electrical Engg. Lab	2.09	22	Basic Electrical Engg. Lab	2.09
23	Basic Mechanical Engineering Lab	1.91	23	Basic Mechanical Engineering Lab	1.99	23	Basic Mechanical Engineering Lab	1.99
24	Workshop	1.91	24	Workshop	1.97	24	Workshop	1.79
25	Programming for Problem Solving using 'Python'	2	25	Programming for Problem Solving using 'Python'	1.99	25	Programming for Problem Solving using 'Python'	1.99
26	Data Structure using 'C'	1.99	26	Data Structure using 'C'	1.79	26	Data Structure using 'C'	1.97
27	Mechanics of Solids	2.1	27	Mechanics of Solids	1.97	27	Mechanics of Solids	1.91
28	Fluid Mechanics & Hydraulic Machines	2.02	28	Fluid Mechanics & Hydraulic Machines	2.05	28	Fluid Mechanics & Hydraulic Machines	2.07
29	Geotechnical Engineering	2.6	29	Geotechnical Engineering	2.79	29	Geotechnical Engineering	2.69
30	Surveying	2.09	30	Surveying	2.09	30	Surveying	2.9
31	Employability Skill I	2.09	31	Employability Skill I	2.05	31	Employability Skill I	2.09
32	Universal Human Values	2.4	32	Universal Human Values	2.9	32	Universal Human Values	2.05
33	Fluid Mechanics & Hydraulic Machines Lab	2.72	33	Fluid Mechanics & Hydraulic Machines Lab	2.69	33	Fluid Mechanics & Hydraulic Machines Lab	2.69
34	Geotechnical Engineering Lab	2.76	34	Geotechnical Engineering Lab	2.69	34	Geotechnical Engineering Lab	2.05
35	Survey Field Work	2.05	35	Survey Field Work	2.05	35	Survey Field Work	2.15
36	Data Structures using'C'	2.72	36	Data Structures using'C'	2.7	36	Data Structures using'C'	2.9
37	Engineering Mathematics III	2.63	37	Engineering Mathematics III	2.09	37	Engineering Mathematics III	2.09
38	Structural Analysis-I	2.91	38	Structural Analysis-I	2.47	38	Structural Analysis-I	2.91
39	Transportation Engineering-I	2.07	39	Transportation Engineering-I	2.07	39	Transportation Engineering-I	1.99
40	Water and Waste Water Engineering	2.69	40	Water and Waste Water Engineering	2.47	40	Water and Waste Water Engineering	2.19
41	Employability Skill-II	2.72	41	Employability Skill-II	2.69	41	Employability Skill-II	2.43
42	Concrete Technology	2.72	42	Concrete Technology	2.41	42	Concrete Technology	2.21
43	Engineering Economics and Costing	2.7	43	Engineering Economics and Costing	2.43	43	Engineering Economics and Costing	2.21
44	Transportation Engineering-Lab	2.9	44	Transportation Engineering-Lab	2.43	44	Transportation Engineering-Lab	2.02
45	Environmental Engineering Lab	2.43	45	Environmental Engineering Lab	2.27	45	Environmental Engineering Lab	2.15
46	Civil Engineering Drawing	2.43	46	Civil Engineering Drawing	2.02	46	Civil Engineering Drawing	2.17
47	Mini Project I	1.62	47	Mini Project I	1.91	47	Mini Project I	1.99
48	Structural Analysis-II	2.7	48	Structural Analysis-II	2.02	48	Structural Analysis-II	2.02
49	Design of Concrete Structures	2.91	49	Design of Concrete Structures	2.69	49	Design of Concrete Structures	2.49

90	Hydrology and Open Channel Hydraulics	2.94	90	Hydrology and Open Channel Hydraulics	2.94	90	Hydrology and Open Channel Hydraulics	2.06
91	Foundation Engineering	2.99	91	Foundation Engineering	2.99	91	Foundation Engineering	2.17
92	Solid Waste Management	2.7	92	Solid Waste Management	2.99	92	Solid Waste Management	2.9
93	Employability Skill-III	1.99	93	Employability Skill-III	1.77	93	Employability Skill-III	1.47
94	Essence of Indian Knowledge and Tradition-I	2.74	94	Essence of Indian Knowledge and Tradition-I	2.99	94	Essence of Indian Knowledge and Tradition-I	2.23
95	Structural Engineering Lab	2.79	95	Structural Engineering Lab	2.99	95	Structural Engineering Lab	2.49
96	Design of Concrete Structures Practice	2.59	96	Design of Concrete Structures Practice	2.21	96	Design of Concrete Structures Practice	2.11
97	Concrete Technology Lab	2.43	97	Concrete Technology Lab	2.41	97	Concrete Technology Lab	2.33
98	Evaluation of Summer Internship	1.99	98	Evaluation of Summer Internship	1.99	98	Evaluation of Summer Internship	1.23
99	Mini Project II	1.91	99	Mini Project II	1.79	99	Mini Project II	1.99
99	Design of Steel Structures	2.99	99	Design of Steel Structures	2.99	99	Design of Steel Structures	2.29
97	Irrigation Engineering ad Hydraulic Structures	2.72	97	Irrigation Engineering ad Hydraulic Structures	2.99	97	Irrigation Engineering ad Hydraulic Structures	2.43
99	Estimation and Professiona lPractice	2.79	99	Estimation and Professiona lPractice	2.94	99	Estimation and Professiona lPractice	2.47
99	Earthquake Engineering	2.99	99	Earthquake Engineering	2.43	99	Earthquake Engineering	2.99
70	WaterResource Planning and Management	2.72	70	WaterResource Planning and Management	2.99	70	WaterResource Planning and Management	2.49
71	IOT	2.93	71	IOT	2.99	71	IOT	2.41
72	Employability Skill-IV	2.91	72	Employability Skill-IV	2.27	72	Employability Skill-IV	2.43
73	Hydraulic Structures Design practice	2.97	73	Hydraulic Structures Design practice	2.99	73	Hydraulic Structures Design practice	2.27
74	Design of Steel Structures practice	2.99	74	Design of Steel Structures practice	2.99	74	Design of Steel Structures practice	2.49
75	Seminar	1.91	75	Seminar	1.99	75	Seminar	1.99
76	Minor Project	1.73	76	Minor Project	1.99	76	Minor Project	1.29
77	Organizational Behaviour	2.7	77	Organizational Behaviour	2.99	77	Organizational Behaviour	2.43
78	Transportation Engineering-II	2.9	78	Transportation Engineering-II	2.43	78	Transportation Engineering-II	2.99
79	Pre-stressed Concrete	2.43	79	Pre-stressed Concrete	2.41	79	Pre-stressed Concrete	2.99
80	Entrepreneurship Development	2.49	80	Entrepreneurship Development	2.99	80	Entrepreneurship Development	2.29
81	Disaster Management	2.99	81	Disaster Management	2.43	81	Disaster Management	2.99
82	Evaluation of Summer Internship	1.49	82	Evaluation of Summer Internship	1.99	82	Evaluation of Summer Internship	1.13
83	Minor Project	1.71	83	Minor Project	1.69	83	Minor Project	1.43
84	Major Project	1.99	84	Major Project	1.76	84	Major Project	1.99

3.3 Attainment of Program Outcomes and Program Specific Outcomes (70)

3.3.1 Describe assessment tools and processes used for measuring the attainment of each Program Outcome and Program Specific Outcomes (10)

The assessment of Programme Outcomes and Programme Specific Outcomes are done by analysing the Performance Index, the student Exit Survey, statistics of Employer's Feedback, statistics of Alumni Feedback, parent's feedback and the Em

The Institution's academic council ensures that the above mentioned assessments are carried out at the end of each academic year so that the results of attainment of POs are discussed with Institution's advisory committee. Based on the Institutio

Dear Alumnus/Alumna,

We highly value your feedback as it helps us assess and improve the quality of our academic programs. Kindly take a few minutes to fill out this form to evaluate the Program Outcomes (POs) and Program Specific Outcomes (PSOs) you have achiev

Name: _____
Batch (Year of Graduation): _____
Program Studied (B.Tech/M.Tech/MBA etc.): _____
Current Organization & Designation: _____
Email ID: _____
Contact Number: _____

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your experience at GITA Autonomous College, Bhubaneswar using the scale below:

Sl. No.	
1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and en
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret d
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable contex
8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.
10.	Communication: Ability to communicate effectively in professional and social contexts.
11.	Project Management and Finance: Understanding of management and financial principles and their application in engine
12.	Life-long Learning: Recognition of the need for and the ability to engage in independent and lifelong learning.

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program Specific Outcomes (PSOs) based on your experience at GITU Autonomous College, Bhubaneswar using the scale below:

Sl. No.	
1.	Professional Design & Construction Engineering Skill
2.	Innovative Skill
3.	Civil Engineering Entrepreneurships

Assessment of Program Educational Objectives (PEOs)

Please rate the following Program Educational Objectives (PEOs) based on your experience at GITU Autonomous College, Bhubaneswar using the scale below:

Sl. No.	
1.	Core Knowledge: Graduates will have a strong foundation in mathematics, science, and engineering principles to solve m
2.	Professional Skills: Graduates will possess technical and managerial skills to analyze, design, and implement solutions in
3.	Adaptability & Lifelong Learning: Graduates will engage in continuous learning and adapt to evolving technologies throug
4.	Ethical and Social Responsibility: Graduates will uphold ethical values and contribute responsibly to society and environ
5.	Leadership & Teamwork: Graduates will demonstrate leadership, teamwork, and effective communication skills in profess

Additional Feedback

1. How has your education at GITU Autonomous College, Bhubaneswar contributed to your professional growth?

2. What improvements would you suggest in the curriculum to better prepare future graduates?

3. Would you be willing to contribute to guest lectures, mentorship, or industry collaborations? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us improve and enhance the learning experience for future students.

Signature: _____
Date: _____

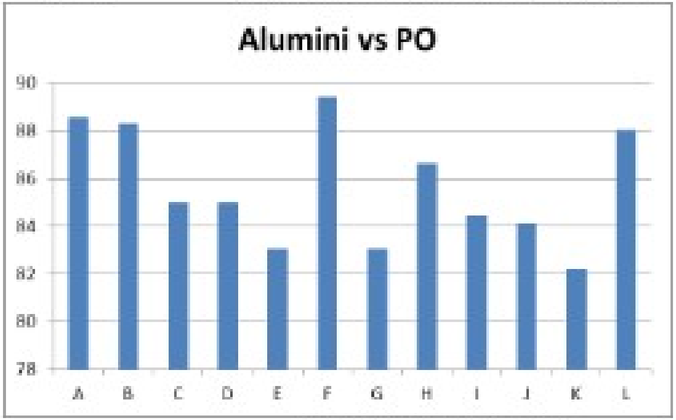
GITU Autonomous College, Bhubaneswar

Analysis of Alumni feedback for the attainment of the POs

ALUMNI FEEDBACK ANALYSIS (2017-2021)

Sl.No	Name of the Alumni	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	ABINASH DHAR	4	3	3	4	3	3	3	3	3	4	3	4
2	ANANYA ADHIKARI JENA	3	4	3	4	3	3	3	4	4	3	4	3
3	ARUN KUMAR MUNDA	4	3	3	4	3	3	4	3	4	3	4	3
4	BANSAKHI PANDA	3	4	4	3	4	4	3	3	3	3	3	3
5	BASUDEV NAYAK	3	3	4	3	3	3	3	4	3	3	3	3
6	BIBHU GORAI	4	3	3	4	3	3	4	3	4	3	3	4

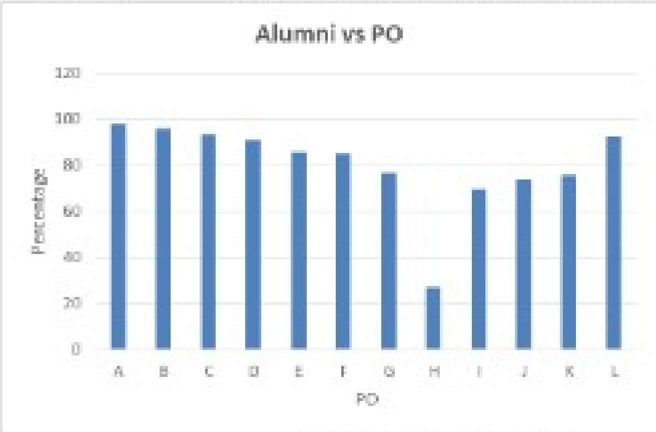
7	DEBADUTTA MOHANTY	5	4	4	5	5	5	4	5	5	4	4	5
8	DEEPAK KUMAR	5	5	3	4	3	5	4	5	4	5	4	5
9	DEEPOON BIDHAR	5	5	5	4	4	3	4	3	5	5	5	3
10	GHULAM SARWAR	5	4	4	5	3	5	5	4	5	4	5	5
11	GURUPADA JENA	4	5	4	5	4	5	3	4	5	4	5	4
12	JOEL NAIK	4	5	5	3	5	5	4	5	4	5	5	5
13	JYOTIRANJAN BALIARSINGH	4	5	4	3	4	5	4	4	5	4	4	5
14	K BHARADWAJ PRASAD	4	5	4	3	4	4	5	4	5	4	5	4
15	LAXMAN SENAPATI	5	5	4	5	4	5	4	4	5	4	4	5
16	LISHIT MOHANTY	4	4	5	5	3	5	3	5	5	5	4	5
17	MANOJ KUMAR MALLIK	5	4	3	4	3	5	3	3	5	5	5	3
18	OM SHAH	5	5	4	4	3	4	5	5	5	4	5	4
19	PAPUL PUSPAK PUHAN	5	5	5	3	5	3	4	3	5	4	3	5
20	PIYUSH PINAKI MOHANTY	5	5	3	5	3	5	5	3	4	5	4	4
21	PRANATI MOHANTY	5	4	5	4	5	4	5	5	5	5	5	4
22	PRIYABRATA JENA	4	5	5	4	3	3	5	4	4	5	4	5
	TOTAL	319	318	306	306	299	322	299	312	304	303	296	317
	Percentage	88.6111	88.3333	85	85	83.0556	89.4444	83.0556	86.6667	84.4444	84.1667	82.2222	88.0556



ALUMNI FEEDBACK ANALYSIS (2019-2022)

Sl.No	Name of the Alumni	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	ABHILASH ROUT	5	4	5	5	4	4	4	5	3	4	4	5
2	AFTAB ALAM	5	5	4	5	5	4	4	4	3	5	4	5
3	ALOK BISWAL	5	5	5	4	4	4	4	4	4	4	5	5
4	AMIT BIKRAM DAS	5	5	5	5	5	5	3	3	3	5	4	5
5	ANKIT KUMAR	5	5	5	4	4	3	4	4	4	4	3	4
6	ANKUSH KUMAR SINGH	5	5	5	4	4	4	4	4	4	4	4	5
7	ANOOP GUPTA	5	5	5	4	4	5	5	3	3	3	3	4
8	ANSUMAN RAUTARAY	5	5	5	4	4	4	4	5	3	3	4	4

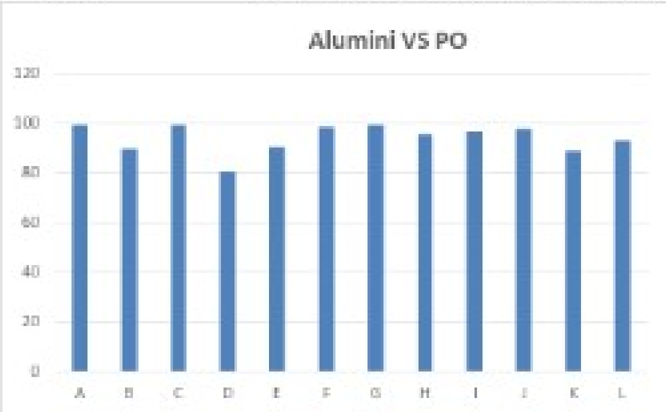
9	ASIT KUMAR BHUYAN	5	5	5	5	4	5	5	5	4	4	4	5
10	ASIT KUMAR CHALLAN	5	5	5	5	4	5	5	5	3	4	4	5
11	BISWARANJAN DAS	5	5	4	5	4	5	5	5	5	5	5	5
12	DEEPAK KUMAR JENA	5	5	3	5	4	4	4	4	4	5	3	3
13	DHIRAJ KUSHWAHA	5	5	5	5	4	4	5	5	4	5	3	5
14	JAYSHANKAR DUBEY	5	5	4	5	4	3	5	5	3	5	3	4
15	MD SHADAB ALAM	5	5	3	5	4	4	4	3	3	5	4	4
16	MUKUL MADKAMI	5	5	3	4	4	4	4	4	4	4	4	5
17	PRITAM PRITIRANJAN	5	5	5	4	4	4	4	4	4	4	4	5
18	PRIYANKA PRIYADARSHINI	5	5	5	5	4	4	3	3	3	5	3	4
19	PUJA K. PANIGRAHY	5	5	4	4	4	4	3	3	3	5	3	4
20	RAJ NAGWANSHI	5	5	5	4	4	5	4	4	4	5	3	4
21	RAKESH PRADHAN	5	5	5	4	5	4	4	3	3	5	3	3
22	RASHMI RANJAN LENKA	5	5	5	5	5	4	4	4	4	4	4	5
23	RASMIRANJAN NAYAK	5	5	5	5	5	5	5	4	4	4	4	5
24	RUPASHREE NAIK	5	5	3	5	4	4	4	4	4	4	4	5
25	SAMBIT PATTANAIK	5	5	5	5	4	3	5	5	3	5	3	4
	TOTAL	445	436	425	414	390	386	348	122	316	336	344	420
	PERCENTAGE	97.8022	95.8241	93.4066	90.989	85.7143	84.8352	76.4835	26.8132	69.4505	73.8462	75.6044	92.3077



ALUMNI FEEDBACK ANALYSIS (2019-2022)

Sl. No.	Name of the Alumni	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	ABHILESH KUMAR	5	5	5	4	5	4	5	5	5	5	5	5
2	ANSHUP DHAL	5	5	5	4	4	5	5	5	5	5	4	4
3	ARMITA NAYAK	5	5	5	4	5	5	5	5	5	5	5	5
4	ARPITA PRADHAN	5	5	5	4	4	5	5	5	4	5	4	5
5	ASHUTOSH DAS	5	5	5	4	5	5	4	4	5	5	4	5
6	ASISH KUMAR PANDA	5	5	5	4	4	5	5	5	5	5	5	4
7	ATUL KUMAR SAHU	5	5	5	4	5	5	5	5	5	5	5	5

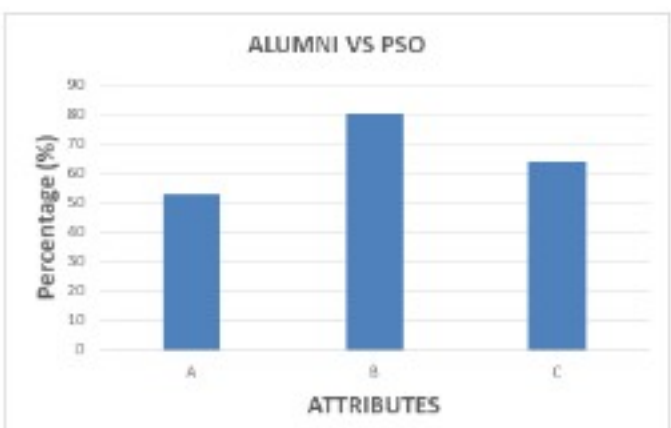
8	BIBEK ANAND	5	5	5	4	4	5	5	5	5	5	5	5
9	BISWAJIT BEHERA	5	5	5	4	5	5	5	5	5	5	5	5
10	CHANDAN BEHERA	5	5	5	4	4	5	5	4	5	5	5	5
11	DEBI PRASAD ROUT	5	5	5	4	5	5	5	5	5	5	4	4
12	DUSHMANT KUMAR BEHERA	5	5	5	4	4	5	5	5	5	5	4	5
13	HARI NARAYAN SAHANI	5	5	5	4	5	5	5	5	5	5	4	5
14	JITU BEHERA	5	5	5	4	4	5	5	5	5	5	4	5
15	LAXMIPRIYA SAHU	5	5	5	4	5	5	4	5	5	5	4	5
16	LIPSA MALLIK	5	5	5	4	4	5	5	5	4	5	4	4
17	MADHUKAR KUMAR	5	5	5	4	5	5	5	4	5	5	5	5
18	MANORANJAN MOHANTY	5	5	5	4	4	5	5	5	5	5	5	5
19	MARSHAL HANSDAH	5	5	5	4	5	5	5	4	5	5	5	5
20	RUSHIKESH TUDU	5	5	5	4	4	5	5	3	5	5	5	5
21	SAIPRASAD KARUAN	5	4	5	4	5	5	5	5	5	5	5	4
22	SANSUDHA BHOLA	5	4	5	4	4	5	5	4	5	5	5	5
23	SAMBIT KUMAR PANDA	5	4	5	4	5	5	5	4	5	5	5	5
24	SHAHID ALI	5	4	5	4	4	5	5	4	5	4	4	5
25	SHUBHRANSHU PRIYADARSHAN	5	4	5	4	5	4	5	3	5	5	4	3
26	SOUMYA RANJAN PRADHAN	5	4	5	4	4	5	4	5	5	5	4	5
27	SUBHAM DASH	5	4	5	4	5	5	5	4	5	5	4	3
28	UMESH KUMAR	5	4	5	4	4	5	5	5	5	5	4	5
29	SINDHUKA SAHU	5	4	5	4	5	5	5	5	5	4	4	5
30	DEBADATTA PRIYADARSHAN SAHOO	5	4	5	4	4	5	5	5	5	5	4	5
	TOTAL	460	415	460	373	419	457	460	444	448	454	413	431
	Percentage	98.9247	89.2473	98.9247	80	90.1075	98.2796	98.9247	95.4838	96.3441	97.6344	88.8172	92.6882



Analysis of Alumni feedback for the attainment of the PSOs

ALUMNI FEEDBACK ANALYSIS (2017-2021)

Sl.No.	Name of the Alumni	Graduate attributes from A to C		
		A	B	C
1	ABHIJIT DHUR	3	4	4
2	ANANYA ADYASHA JENA	4	4	4
3	ARUN KUMAR MUNDA	4	4	4
4	BIJAYANI PANDA	4	4	4
5	BIJUDEV NAYAK	4	4	4
6	BISHNU GOPAL	4	4	4
7	DEBADUTTA MOHANTY	4	4	4
8	DEEPAK KUMAR	4	4	4
9	DEEPSOON BIDHAR	3	4	4
10	GHULAM SARWAR	3	4	4
11	GURUPADA JENA	3	4	4
12	JOEL NAIK	3	4	4
13	JYOTIRANJAN BALVIRSINGH	3	4	4
14	K BHUBANESWAI PRASAD	3	4	4
15	LAXMAN SENAPATI	3	4	4
16	LIPHIT MOHANTY	3	4	4
17	MANOJ KUMAR MALLIK	4	4	4
18	OM SHAH	4	4	4
19	PAPUL PUSPAK PUHAN	4	4	4
20	PIYUSH PINAKI MOHANTY	4	4	4
21	PRAKRITI MOHANTY	4	4	4
22	PRIYABRATA JENA	4	4	3
TOTAL			291 299	317
PERCENTAGE		22.72727	93	94.04040404



ALUMNI FEEDBACK ANALYSIS (2019-2022)

Sl. No	Name of the Alumni	Graduate attributes from A to C		
		A	B	C
1	ABHILASH ROUT	✓	✓	✓
2	AFTAB ALAM	✓	✓	✓
3	ALIVE BISWAL	✓	✓	✓
4	AMIT BIKRAM DAS	✓	✓	✓
5	ANKIT KUMAR	✓	✓	✓
6	ANKUSH KUMAR SINGH	✓	✓	✓
7	ANOOP GUPTA	✓	✓	✓
8	ANSUMAN RAUTARAY	✓	✓	✓
9	ASIT KUMAR BHUYAN	✓	✓	✓
10	ASIT KUMAR CHALLAN	✓	✓	✓
11	BISWARANJAN DAS	✓	✓	✓
12	DEEPAK KUMAR JENA	✓	✓	✓
13	DHIRAJ KUSHWAHA	✓	✓	✓
14	JOYSHANKAR DUBEY	✓	✓	✓
15	MD SHADAB ALAM	✓	✓	✓
16	MUKU MADKAMI	✓	✓	✓
17	PRITAM PRITIRANJAN	✓	✓	✓
18	PRIYANKA PRIYADARSHINI	✓	✓	✓
19	PUJA K. PANIGRAY	✓	✓	✓
20	RAJ NARAYANGHI	✓	✓	✓
21	RAKESH PRADHAN	✓	✓	✓
22	RASHMI RANJAN LENKA	✓	✓	✓
23	RASMIRANJAN NAYAK	✓	✓	✓
24	RUPASHREE NAIK	✓	✓	✓
25	SUMIT PATTANAIK	✓	✓	✓
	Percentage	88.07%	92.70%	91.20%

ALUMNI FEEDBACK ANALYSIS (2019-2023)

Sl.No	Name of the Alumni	Graduate attributes from A to C		
		A	B	C
1	ABHILESH KUMAR	✓	✓	✓
2	ANSHUP DHAL	✓	✓	✓
3	ARMITA NAYAK	✓	✓	✓
4	ARPITA PRADHAN	✓	✓	✓
5	ASHUTOSH DAS	✓	✓	✓
6	ASISH KUMAR PANDA	✓	✓	✓
7	ATUL KUMAR SAHU	✓	✓	✓
8	BIBEK ANAND	✓	✓	✓
9	BISWAJIT BEHERA	✓	✓	✓
10	CHANDAN BEHERA	✓	✓	✓
11	DEBI PRASAD ROUT	✓	✓	✓
12	DUSHMANT KUMAR BEHERA	✓	✓	✓
13	HARI NARAYAN SAHANI	✓	✓	✓
14	JITU BEHERA	✓	✓	✓
15	LAXMIPRIYA SAHU	✓	✓	✓
16	LIPSA MAJHI	✓	✓	✓
17	MADHUKAR KUMAR	✓	✓	✓
18	MANORANJAN MOHANTY	✓	✓	✓
19	MARSHAL HANSDAH	✓	✓	✓
20	RUSHIKESH TUDU	✓	✓	✓

51	SAIPRASAD KARUAN	5	5	4
52	SAISUDHA BHOLA	4	5	5
53	SAMBIT KUMAR PANDA	4	5	5
54	SHAHID ALI	4	5	4
55	SHUBHRANSHU PRIYADARSHAN	5	5	5
56	SOUMYA RANJAN PRADHAN	5	5	5
57	SUBHAM DASH	5	5	5
58	UMESH KUMAR	5	4	4
59	BINAYAKA SAHU	5	4	4
60	DEBADATTA PRIYADARSHAN SAHOO	5	4	5
PERCENTAGE		88%	88%	88%

Dear Employer,

We sincerely appreciate your time in providing valuable feedback regarding our graduates employed in your organization. Your insights will help us assess and enhance the quality of our academic programs. Kindly take a few minutes to complete this f

Name of the Organization: ______________________________
Employer's Name & Designation: ______________________________
Contact Number: ______________________
Email ID: ______________________________
Number of GITA Autonomous College Graduates Employed in Your Organization: __________

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your experience with our graduates, using the scale below:

Sl. No.	
1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and en
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret d
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant t
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable context.

8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.
10.	Communication: Ability to communicate effectively in professional and social contexts.
11.	Project Management and Finance: Understanding of management and financial principles and their application in engine
12.	Life-long Learning: Recognition of the need for and the ability to engage in indepandent and lifelong learning.

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program-Specific Outcomes (PSOs) based on your experience with our graduates, using the scale below:

Sl. No.	
1.	Professional Design & Construction Engineering Skill
2.	Innovative Skill
3.	Civil Engineering Entrepreneurships

Additional Feedback

1. How well do our graduates meet your expectations in terms of technical and professional skills?

2. What improvements would you suggest in our curriculum to better align with industry requirements?

3. Would you be interested in collaborating with us for guest lectures, internships, or industry projects? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us enhance the learning experience for future graduates.

Signature: _____
Date: _____

GITI Autonomous College, Bhubaneswar

Analysis of Employer feedback for the attainment of the POs
EMPLOYER FEEDBACK ANALYSIS (2017-2021)

Sl.No	Name of the Employer	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	Narula Infra	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
2	BINJRY TITLN	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
3	L&T FINANCE	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
4	ROYOL Infra Constru Ltd.	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
5	DGS Technical Services	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
6	RIVIGO	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
7	RUMKY	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
8	HINDUJL	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
9	OSPDERS	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
10	Epic Research	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
11	DIGICULL	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓

● - NBA

10	RVIGO	4		3	3	4		4	4	4		4	4	4	4		4
TOTAL		33		34	34	33		34	34	33		34	34	37	33		33
PERCENTAGE		88.33333		90	90	88.666667		88	88	91.66667		90	90	93	93.33333		93.33333

EMPLOYER FEEDBACK ANALYSIS (2019-2023)

Sl. No	Name of the Employer	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	TECH MAHINDRA	3	4	3	3	4	3	4	3	3	4	3	4
2	COLLABERA	3	3	3	3	4	3	4	3	3	3	3	3
3	SUBUDHI ASSOCIATES	3	3	4	3	3	3	3	4	3	3	3	4
4	RAMKY	4	3	3	4	4	3	3	3	4	3	3	3
5	TATA (I D T R)	3	4	3	3	3	3	4	4	3	4	3	3
6	MOTIF INDIA	3	3	4	3	4	3	3	3	3	3	4	4
7	CAPGEMINI	3	3	3	3	3	4	3	3	4	3	3	3
8	ETECH GLOBAL	4	4	3	4	3	3	4	4	3	4	3	3
9	SHUWELLS CONTRUCTS INDIA LTD.	3	4	3	4	4	3	3	3	3	3	3	3
10	JYTRA TECHNOLOGIES	3	3	4	3	3	3	3	4	3	3	3	3
	Percentage	88%	92%	94%	92%	90%	94%	90%	92%	94%	96%	96%	94%

EMPLOYER FEEDBACK ANALYSIS (2019-2023)

Sl.No	Name of the Employer	Graduate attributes from A to L											
		A	B	C	D	E	F	G	H	I	J	K	L
1	Amaghara Design	3	3	3	3	3	3	3	3	3	3	3	3

● - NBA

3	Pidilite	3	3	3	3	3	3	3	3	3	3		3	3	
3	LANDSOFT	3	3	3	3	3	3	3	3	3	3		3	3	
3	BYJUs	3	3	3	3	3	3	3	3	3	3		3	3	
3	JUSPAY	3	3	3	3	3	3	3	3	3	3		3	3	
6	Infosys	3	3	3	3	3	3	3	3	3	3		3	3	
7	Paragon Digital Services	3	3	3	3	3	3	3	3	3	3		3	3	
8	Tata Motors	3	3	3	3	3	3	3	3	3	3		3	3	
	Percentage		88%	80%	90%	88%	88%	88%	88%	88%	88%		88%	88%	

Dear Parent/Guardian,

Your valuable feedback is crucial in assessing and improving the quality of our academic programs. Kindly take a few minutes to fill out this form to help us evaluate the Program Outcomes (POs) and Program-Specific Outcomes (PSOs) of our student

Student's Name: _____
Year of Study (e.g., 1st, 2nd, 3rd, 4th): _____
Parent/Guardian Name: _____
Contact Number: _____
Email ID: _____

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your observations of your child's academic and professional growth at GITA Autonomous College, Bhubaneswar using the scale below:

Sl. No.	

1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and en
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret d
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable contex
8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.
10.	Communication: Ability to communicate effectively in professional and social contexts.
11.	Project Management and Finance: Understanding of management and financial principles and their application in engine
12.	Life-long Learning: Recognition of the need for and the ability to engage in indegendent and lifelong learning.

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program Specific Outcomes (PSOs) based on your observations of your child's academic and professional growth at GITI Autonomous College, Bhubaneswar using the scale below:

Sl. No.	
1.	Professional Design & Construction Engineering Skill
2.	Innovative Skill
3.	Civil Engineering Entrepreneurships

Additional Feedback

1. How do you perceive the impact of our academic programs on your child's personal and professional development?

2. What improvements would you suggest in our curriculum to better prepare students for their careers?

3. Would you be interested in participating in parent-college interaction programs? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us improve the learning experience for our students.

Signature: _____
Date: _____

GITI Autonomous College, Bhubaneswar

Dear Student,

Your feedback is valuable in assessing the quality of education and facilities provided in the institution. Kindly take a few minutes to complete this survey. Your responses will be kept confidential and used for academic improvement.

Student Name (Optional): _____
Batch (Year of Graduation): _____
Email ID: _____

Section 1: Teaching-Learning and Academic Environment

Please rate the following aspects on a scale of 1 to 3:

Sl. No.	
1.	The syllabus is well-structured and relevant to the industry.
2.	The faculty members are knowledgeable and provide effective teaching.
3.	Course materials, resources, and references are adequate and useful.
4.	Availability of faculty members for guidance and mentoring.
5.	Effectiveness of practical sessions and laboratory facilities.
6.	Exposure to latest technologies, tools, and programming languages.
7.	Encouragement for research, innovation, and project-based learning.
8.	Use of modern teaching aids (Smart Classrooms, ICT tools, etc.).
9.	Opportunities for industrial training, internships, and workshops.
10.	Quality of assessments and fairness of grading.

Section 2: Infrastructure and Learning Resources

Sl. No.	
1.	Availability and accessibility of library resources (books, e-resources, etc.).
2.	Functionality and accessibility of computing facilities and laboratories.
3.	Internet and Wi-Fi availability for academic purposes.
4.	Classroom environment, seating, lighting, and overall cleanliness.

2.	Sports, extracurricular activities, and recreational facilities.

Section 3: Career Readiness and Placement Support

Sl. No.	
1.	Effectiveness of placement and career guidance programs.
2.	Industry collaborations, MoUs, and expert lectures.
3.	Opportunities for higher studies and competitive exam preparation.
4.	Alumni interactions and networking support.
5.	Entrepreneurship and startup encouragement.

Section 4: Overall Satisfaction and Suggestions

1. How satisfied are you with the overall learning experience at GITO Autonomous College? (1 to 5) __

2. What do you like the most about the program?

3. What improvements would you suggest for better learning outcomes?

4. Any additional comments or feedback:

Thank you for your valuable feedback! Your responses will help us improve the quality of education and enhance the student experience.

Signature: _____
Date: _____

GITO Autonomous College, Bhubaneswar

3.3.3 Provide results of evaluation of each PO & PSO (60)

PO Attainment

Course	PO1	PO2
Engineering	2	1
Engineering	2	1
Basic Elec	2.2	2.8
Basic Civil	2	2.7
Functional I	2	2.5
Programmi	2	2.8
Physics Lab	1	1
Basic Elec	0	0
Basic Mech	0	0
Engineering	0	0
Programmi	0	0
Functional I	2	2.8
Engineering	2	3
Engineering	2	2.8
Basic Elec	1.7	1.8
Programmi	2	2.5
Business C	2	2.5
Chemistry L	1	1
Basic Elec	0	0
Basic Civil	1	1
Workshop	1	1
Data Struct	1.8	2.8
Mechanics	2	2.8
Fluid Mech	2	2.6
Geotechnic	1.8	2.8
Surveying	1.5	2.5
Universal H	1.8	2.9
Environmer	1.9	2.7
Engineering	1.8	2.7
Structural A	2.2	2.7

Transportat	1.2	1.8
Water and \	1.8	2.5
Concrete Te	2.1	2.7
Engineering	2.5	2.7
Construction	2	2.7
Fluid Mech	1.1	1.1
Geotechnic	1	1
Survey Fiel	1.1	0
Data Struct	1.8	2.5
Transportin	1	1.1
Environmer	1	0
Civil Engine	0	1
Mini Projec	1	1
Structural A	2.8	2.8
Design of C	2.8	2.8
Hydrology a	2.1	2.8
Foundation	1	1.8
Solid Waste	2.4	2.7
Essence of	1.8	1.4
Structural S	1	0
Design of C	1	1
Concrete Te	0	0
Evaluation	1	0
Mini Projec	1	0
Design of S	2.8	0
Irrigation En	1.7	2.7
Estimation :	2	2.7
Earthquake	2	2.8
WaterResou	1	2.8
IOT	1	2.8
Hydraulic S	0	0
Design of S	1	0

Seminar	0	1
Minor Proje	1	0
Organizatio	1	2
Transportat	2.1	2.2
Pre-stresse	2.2	2.1
Entreprene	2.1	2.4
Disaster Ma	1.9	2.3
Industrial L	2	1
Evaluation	2.1	2
Major Proje	0	1
External In	1	1

PO Attainment Indirect

Course	PO1	PO2
Exit Studen	2.30	2.21
Alumni	2.17	1.97
Parent Fee	2.1	1.98
Employer	1.49	2.6

PO Attainment Level

Course	PO1
InDirect Attainment	2.02
Direct Attainment	1.99

PSO Attainment

Course	PSO1
Basic Civil Engineering	2.2
Basic Civil Engineering	3
Basic Electrical Engg	1.1
Basic Electrical Engg. I	3
Basic Electronics Engg	1.5
Basic Electronics Engg	3
Basic Mechanical Engi	2.2
Basics Of Civil Enginee	3
Business Communicat	2.1

Chemistry Lab	2.0
Civil Engineering Draw	3
Concrete Technology	3
Concrete Technology L	2.1
Constitution Of India	1.0
Data Structure using 'C	3
Data Structures using'l	1.3
Design of Concrete Str	3.3
Design of Concrete Str	3.7
Design of Steel Structu	3.6
Design of Steel Structu	3.7
Disaster Management	3
Earthquake Engineerin	3
Engineering Chemistry	1
Engineering Economic	1
Engineering Graphics	3
Engineering Mathemat	1.3
Engineering Mathemat	1.1
Engineering Mathemat	1.1
Engineering Physics	1
Entrepreneurship Dev	2.1
Environmental Enginee	1.1
Environmental Science	1
Essence of Indian Kno	1
Estimation and Profess	3
Evaluation of Summer	1
Evaluation of Summer	1
External Internship	1
Fluid Mechanics & Hy	3
Fluid Mechanics & Hy	3
Foundation Engineerin	3
Functional English	1
Functional English Lab	1
Geotechnical Enginee	3.3

Geotechnical Engineer	2.3
Hydraulic Structures Di	2.7
Hydrology and Open C	2.4
Industrial Lecture and T	1
IOT	1.1
Irrigation Engineering a	2.8
Major Project	1
Mechanics of Solids	1.8
Mini Project I	3
Mini Project II	1.8
Minor Project	1.1
Organizational Behavio	1
Physics Lab	1
Pre-stressed Concrete	2.3
Programming for Probl	1
Programming for Probl	1
Programming for Probl	1
Seminar	1
Solid Waste Managem	1.8
Structural Analysis-I	2.8
Structural Analysis-II	2.7
Structural Engineering	2.2
Survey Field Work	1.2
Surveying	1
Transportation Engine	2.2
Transportation Engine	2.1
Transportation Engines	3
Universal Human Valu	1
Water and Waste Wate	1
WaterResource Planni	1.4
Workshop	1

PSO Attainment Indirect

Survey	PSO1

Employer	3.3
Exit Student	3.5
Alumni	3.4
Parent Feedback	1.99

PSO Attainment Level

Course
Direct Attainment
InDirect Attainment

4 STUDENTS PERFORMANCE (100)

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)
Sanctioned Intake of the program(N)	60
Total number of students admitted in first year minus number of students migrated to other programs/ Institutions plus No. of students migrated to this program (N1)	69
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0
Separate division students, If applicable (N3)	0
Total number of students admitted in the programme(N1 + N2 + N3)	69

Table 4.2

Year of entry
2024-25 (CAY)
2023-24 (CAYm1)
2022-23 (CAYm2)
2021-22 (CAYm3)
2020-21 (LYG)
2019-20 (LYGm1)
2018-19 (LYGm2)

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)
2024-25 (CAY)	69
2023-24 (CAYm1)	91
2022-23 (CAYm2)	89
2021-22 (CAYm3)	91
2020-21 (LYG)	89
2019-20 (LYGm1)	93
2018-19 (LYGm2)	91

4.1 Enrolment Ratio (20)

2024-25 (CAY)
2023-24 (CAYm1)
2022-23 (CAYm2)

Average [(ER1 + ER2 + ER3) / 3] : 60.00

Assessment : 12.00

4.2 Success Rate in the stipulated period of the program (20)

4.2.1 Success rate without backlogs in any semester / year of study (10)

Item
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and segerated division, if applicable
Y Number of students who have graduated without backlogs in the stipulated period
Success Index [SI = Y / X]

Average SI [(SI1 + SI2 + SI3) / 3] : 0.99

Assessment [10 * Average SI] : 14.85

4.2.2 Success rate in stipulated period (2)

Item
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and segerated division, if applicable
Y Number of students who have graduated in the stipulated period
Success Index [SI = Y / X]

Average SI[(SI1 + SI2 + SI3) / 3]: 0.99

Assessment [5 * Average SI] : 4.97
Note : If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Second Year (10)

Academic Performance
Mean of CGPA or mean percentage of all successful students(X)
Total number of successful students (Y)
Total number of students appeared in the examination (Z)
API [X * (Y/Z)]

Average API [(API1 + API2 + API3)/3] : 9.10

Assessment [AverageAPI] : 9.10

4.4 Placement, Higher Studies and Entrepreneurship (50)

Item
Total No of Final Year Students(N)
No of students placed in the companies or government sector(X)
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc) (Y)
No of students turned enetrpreneur in engineeringtechnology (Z)
Placement Index [(X+Y+Z)/N] :

Average Placement [(P1 + P2 + P3)/3] : 0.99

Assessment [30 * Average Placement] : 29.90

Program Name : Civil Engineering
Assessment Year : 2023-24 (CAYm1)

S.No	Student Name
1	AMIT SAHOO
2	ANAND KUMAR
3	ANKITA GAJENDRA
4	ANSHUMAN MISHRA
5	RISHU KUMAR
6	ROHIT PRAKASH
7	SACHIN KUMAR
8	SANDEEP KUMAR SAHOO
9	SANDEEP SOURAV DAS
10	SATYABRATA JOHNSINGH
11	SOURAV KUMAR PRADHAN
12	SUSHREE JANITA KAR
13	YUVRAJ VIVEK
14	SUBHRANSU NAYAK
15	RISHAV KALUNDIA
16	AMLAN KUMAR SETHI
17	BIPRA PRADHAN
18	NIBEDITA PATI
19	AMIT KUMAR PARIDA
20	NIBEDITA BAG
21	RAJASHREE SINDHANI
22	PRIYANKA SAHU
23	SUCHETA PRIYADARSINI ROUT
24	SUBHALAXMI BISWAL
25	SUSHREE SOVITA
26	SANTOSH PRADHAN
27	RITIKA SINGH
28	KUSALYA ROY
29	SANJIT DAS
30	SUSAS NAYAK
31	SWAGATIKA BHUE
32	SWATI DUBH
33	SHIVRAJ SINGH

36	SIDDHARTH MOHANTY
37	SMRUTI SUBHADARSINI SAHU
38	SNEHA SUKUMARAN
39	SONALI DAS
40	SOUNAK ROY
41	SRIDHANJALI BISWAL
42	SUBHANKARI SUBHADARSINI
43	SUBHASHREE ROUT
44	SUBHENDU NAYAK
45	SUNEEH NAYAK
46	RITURAJ KUMAR
47	SUNGRAM DAS
48	SNEHANSU SAHAL
49	SUBHRAJIT NAYAK
50	SUNIL SETH

Assessment Year : 2022-23 (CAYm2)

S.No	Student Name
1	ANGHUP DHAL
2	ARMITA NAYAK
3	BIBEK ANAND
4	BISWAJIT BEHERA
5	CHANDAN BEHERA
6	DEBI PRASAD ROUT
7	DUSHMANT KUMAR BEHERA
8	LAXMIPRIYA BAHU
9	LIPSA MAJHI
10	MARSHAL HANSDAH
11	RUSHIKESH TUDU
12	SUPRASAD KARUAN
13	SUSUDHA BHOLA
14	SUMIT KUMAR RANDA
15	SOUMYA RANJAN PRADHAN
16	SUSHAM SINGH
17	UMESH KUMAR
18	ABHISHEK DAS
19	BIMADRI DEVANANDA BOHERA
20	HUMTSRUNI MAHARANA
21	JNISHA MOHANTY
22	DIKSHYA MOHANTY
23	ABDUL RAHIM KHAN
24	ANANDA KUMAR NANDI
25	SANGHRUTI PATTANAYAK
26	BIKRAM KUMAR BISWAL
27	ARUNDHUTI BHOI
28	ASHUTOS SARANGI
29	BHAGYASHREE JENA
30	BINAYAKA BAHU
31	DEBASIS MISHRA
32	JAMUNA SINGH
33	JYOTSNA PODUAR

94	MANOJ KUMAR SETHI
95	MANUBINDU DAS
96	MARIYAM TARJU
97	RISHIKA GHOSH
98	JAGAN PURIHURI
99	JIMUN KUMAR
60	JNANO KUMAR SINGH
61	JNANO SAGAR GUPTA
62	JNANYA ROUTRAY
63	JNIKET PRASAD
64	BIPLAB MAHANTA
65	L SANTOSH SINGHA
66	PRATYUSH KUMAR DAS
67	PREETIMAYEE PANDA
68	PRIYA KUMARI SONAR
69	RAJESH KUMAR ROUT
70	RAKESH SETHY
71	RANJAN KUMAR
72	RANJAN KUMAR
73	RANJIT BOURI
74	RAVI RANJAN
75	REEBHU RAJ
76	SADIF HASHIM
77	SAGARIKA MAHATO
78	SANDEEP CHOUDHURY
79	SANDEEP KUMAR
80	SANDEEP KUMAR MAHATO
81	SASWAT SUBHRA NAYAK
82	SOUMYA RANJAN MANSINGH
83	SOUMYA RANJAN PATRA
84	SOMYAKANTA MOHANTY
85	SURYASHREE PARIDA
86	SUVENDU MAHAKUR
87	YAGNYASENI PANDA

Assessment Year : 2021-22 (CAYm2)

S.No	Student Name
1	SWAATIK PRADHAN
2	UTSAV KUMAR JAISWAL
3	VIDYA PRASAD
4	JUROJIT MOHANTY
5	SHUBHAM PRASADI PUTRI
6	ROJALIN MOHANTY
7	SUSHREE MOHANTY
8	SANDHYA SHREE DAS
9	SHIVA NANDA GARDIA
10	SLIPA SAHOO
11	SONALI NANDA
12	SOUMYARANJAN ROUT
13	SUBASINI MALIK
14	SUBHASHREE SETHI
15	SEHLIGH ROUT
16	AFTAB ALAM
17	ALIVA BISWAL
18	AMIT BIKRAM DAS
19	ANKIT KUMAR
20	ANKUSH KUMAR SINGH
21	ANOOP GUPTA
22	ASIT KUMAR BHUYAN
23	ASIT KUMAR CHALLAN
24	BISWARANJAN DAS
25	DEEPAK KUMAR JENA
26	DHIRAJ KUSHWAHA
27	JAYSHANKAR DUBEY
28	MD SHADAB ALAM
29	MUKU MUKAMI
30	PRIYANKA PRIYADARSHINI
31	PUJA K. PARIJURY
32	ANKITA PATI
33	ANKITA PRIYADARSINI SAHOO

54	ASHOK RUNG
55	AYUSH MISHRA
56	BHAGYALAXMI SINGH
57	BHARAT PRIYARANJAN BARIK
58	DEEPAK SAHU
59	DEVI PRASANNA MISHRA
60	DEVIDUTTA BHANJADEO
61	DIPTISHREE MOHAPATRA
62	JITENDRA MOHANTY
63	LAXMAN NAIK
64	LEELA CHITA
65	MONALI JENA
66	NIBEDITA PRIYADARSHINI SAHOO
67	PURNIMA PRIYADARSHINI NAIK
68	RAJAT KUMAR BISHOYI
69	ANIL KUMAR RAWANI
70	N. SUNMUKH RAO
71	PRAGNYAPARMITA MUND
72	SHUBHAM KUMAR KESHRI
73	SURYAKANTA NAYAK
74	VIKASH KUMAR SHUKLA
75	BHAKTA RANJAN DUSH
76	BIBHU KUMAR SWAIN
77	GYANENJAY ROUT
78	HEMANTA MANDAL
79	MONTU SAHU
80	MRUTYUNJOYA SAHU
81	PRIYANKA PRIYADARSHINI DUSH
82	PRIYANKA TRIPATHY
83	SACHIDANANDA PRADHAN
84	SATYABRAT TRIPATHY
85	SHAOLIN ALI KHAN
86	SIBANI SANKAR SWAIN
87	SMARAK SAMANTARAY

69	SOUMYA RANJAN SWAIN
69	SOURAV KUMAR CHUNNU

4.3 Professional Activities (20)

4.5.1 Professional societies/chapters and organizing engineering events (2)

Events Organized Since Last Three-Year

Sl No	Event Name	Event Title	Resources Person	Date of the Event
1	Two days FDP	Design Irrigation System	Er. Bijay Pradhan,Dy Director, Design,GOVT. of Odisha	22/09/2023 -23/09/2023
2	Three days FDP	Foundation Treatment for sandwich pervious layer under Earthen Dam	Er. (Dr.) Mahendra Kumar Bhuyan,GOVT. of Odisha	09/03/2024 -11/03/2024
3	Two days FDP	Retrofitting of Old Structure	Dr. N.C.Pal, Dy Director,Design,GOVT. of Odisha	04/04/2024 -05/04/2024
4	Three days FDP	Optimal Distribution of Canal Irrigation Water	Dr. Chandra Sekhar Padhi, Dy Director, Design,GOVT. of Odisha	13/10/2023 -15/10/2023
5	Two days FDP	Deficit Irrigation Supply	Dr. Rabindra Kumar Panigrahi, CE,GOVT. of Odisha	16/10/2023 -17/10/2023
6	One day FDP	Vibration of Tall Structure	Dr. Ramakanta Panigrahi, Professor,VSSUT Burla	19/03/2023
7	Two days FDP	Sedimentation of Chilika Lagoon	Dr. Siba Prasad Mishra, EE(Retd.),Govt. of Odisha	27/09/2021 -28/09/2021
8	One day FDP	Use of Plastic in Flexible Road	Dr. Mahavir Panda, NIT,Rourkela	23/10/2021
9	One day FDP	Application of GNS soil under Canal Lining	Dr. Sumant Halder,IIT,BBSR	13/11/2021
10	Two days FDP	Manufacture of Cement	Amitav Mitra, JGM, Training &Development,Dalmia Cement	14/01/2022 -15/01/2022
11	One day FDP	Hands on Total Station	Mr. Sanjay Sahoo ,Director,Sngeeta Consultancy	8/4/2022

The students of the department has constituted a Civil Engineering society named "CIVITECH" for conducting various technical and non-technical activities. They undertake various technical activities and some social activities under this banner.

Most of the students have enrolled in Indian Society for Technical Education (ISTE) chapter under JUCTE and carry on different activities organized by the society.

Our students are carrying on the following activities through their society.

A. The Technical Events are:

I. Our students co-organize National Innovative Project Fair (NIPF), organised by our Institute every year, showing their innovative technical ideas.

II. Conduct student seminars in the institute.

III. Technical paper presentation in the Institute.

iv. Robotics

v. Various competitions such as Bridge Design, Ship Building, Technical Quiz, Paper crafts etc.

B. The Non- Technical Events are:

I. Organizations of various cultural functions

II. Various competitions such as Debates, Jin, Song, Dance etc.

III. Promotion of special co-curricular activities such as Short Film Making, Sand Jin, Photography etc.

C. Various Social activities carried on are:

I. Organizations of Blood Donation Camp.

II. Plantation

III. Traffic volunteer in the city

iv. Attending orphanages for help

v. Educating and Offering free coaching to poor students in the nearby villages in free time.

D. Special Programmes floated by Government:

I. Students attending the programme floated by Govt. of India "EK BHARAT SRESTHA BHARAT" in cultural exchange programmes.

II. Students involved themselves in the programme "UNNATA BHARAT" through visiting nearby villages for projecting their problems to different authorities.

III. Students took part the "SWACHHA BHARAT MISSION" initiated by Honourable Prime minister.

Students' Activities....Extra-Curricular

"Swachh Bharat"

- Following the footsteps of our beloved Prime Minister and understanding well the importance of the **"Swachh Bharat"** scheme floated by Govt. of India, our students led by our faculty joined hands for taking up the cleaning work in nearby villages and demonstrated various examples of cleanliness to the villagers.

Students' Activities

"Unnata

- Under this Scheme floated by Govt. visited villages of Madanpur Panchay detailed survey of villagers' problems representatives (Sarpanch). Reports authorities. Villages covered are: Ga Patana and Jagasara Patna.

4.5.2 Publication of technical magazines, newsletters, etc. (2)

Publication of technical magazines, newsletters by students

2023-24

SL NO	STUDENT NAME	REGD. NO	TITLE	PUBLICATION	PUBLISHER NAME	PUBLICATION DATE
1	SACHIN KUMAR	2001287017	"Use of cold mix emulsified asphalt in construction of flexible pavement"	ICFTEMST-24	GIET University	1/3/2024
2	ROHIT PRAKASH	2001287019	Unconfined Compressive strength of Dolomite fine stabilized diesel contaminated Expansive soil.	ICFTEMST-24	GIET University	1/3/2024
3	SUCHETA PRIYADARSINI ROUT	2001287027	Waste Water Treatment and Re-use: Past, Present and future	URJA-24	GITA,BBSR	8/3/2024

2022-23

SL NO	STUDENT NAME	REGD. NO	TITLE	PUBLICATION	PUBLISHER NAME	PUBLICATION DATE
1	SUMIT KUMAR PANDA	1901287034	Efficacy of Dolomite fine stabilized Red Mud Cushioned Expansive soil"	NCRD-2023	GITA,BBSR	7/28/2023
2	LAXMIPRIYA MOHANT	1901287043	Effect of Algaes on the Self Compacting Recycled Aggregate concrete	NCRD-2023	GITA,BBSR	7/28/2023
3	NIBEDITA BAG	2001287031	"Pagarcrete: An Environment Friendly Building Material"	ICBM-2023	CUTM,BBSR	1/3/2023
4	RITURAJ KUMAR	2001287079	Making Rainwater Harvesting A key Solution for Water Management: The Universality of Kailmanjaro Concept	RAWRE-2023	GITA,BBSR	2/12/2023

2021-22

SL NO	STUDENT NAME	REGD. NO	TITLE	PUBLICATION	PUBLISHER NAME	PUBLICATION DATE
1	AMRUTA BHATTACHARJEE	1901287030	Effects of Recycled Fine aggregates on Bituminous Mix performance	ICIAM-2021	VSSUT,BURLA	2/24/2022
2	BHARMISTHA BAG	1901287034	"Use of Roller Compacted Concrete (RCC) in Concrete Dam"	RAISCT-2021	CUTM,BBSR	12/29/2021
3	YESWANT BAGAL	1901287072	Need of A Revolution Through Efficient Irrigation Management	RAISCT-2021	CUTM,BBSR	12/29/2021

4.3.3 Participation in Inter-Institutes events by students of the program of study (10)

Participation in Inter-Institute events by students

2023-24

SL NO	STUDENT NAME	REGD. NO	EVENTS	AWARD	ORGANIZER	ORGANIZATION DATE
1	JITU BEHERA	1901287013	PAPER PRESENTATION@ TECHFEST-2023	1st	IGIT,SARANG	1/03/2024
2	BIBEK KUMAR SAHOO	2101287008	Paper Presentation on EXUBERENCE-2023	1st	CEB,BBSR	2/10/2024
3	RITIKA SINGH	2001287043	SAMAJYOTI-2019(Paper Presentation)	2nd	CUTM,BBSR	10/31/2023
4	SUSHREE SOVITA	2001287041	PAPER PRESENTATION at INNOVISION-2023	2nd	GITA,BBSR	1/03/2024
5	MANORANJAN MOHANTY	1901287019	PAPER PRESENTATION @ NEOSIS-2023	2nd	Silicon,BBSR	1/12/2024
6	SUSHREE ANITA KAR	2001287030	GENESIS-2023(PAPER PRESENTATION)	2nd	ITER,BBSR	10/19/2023
7	SIBANI MAHIMA BEHERA	2001287008	Paper Presentation on EXUBERENCE-2023	3rd	CEB,BBSR	2/10/2024
8	SAMPRASAD KARUAN	1901287022	VIDYANTRIK-2023(Paper Presentation)	2nd	CVRCE,BBSR	1/04/2024

2022-23

SL NO	STUDENT NAME	REGD. NO	EVENTS	AWARD	ORGANIZER	ORGANIZATION DATE
1	LAXMIPRIYA SAHU	1901287016	PAPER PRESENTATION at INNOVISION-2019	2nd	GITA,BBSR	2/04/2023
2	DEBADATTA PRIYADARSHAN SAHOO	1901287034	PAPER PRESENTATION at INNOVISION-2019	3rd	GITA,BBSR	2/04/2023
3	MADHUKAR KUMAR	1901287018	PAPER PRESENTATION @ NEOSIS-2019	2nd	Silicon,BBSR	1/03/2023
4	ASHISH KUMAR YADAV	2101287017	GENESIS-2019(PAPER PRESENTATION)	2nd	ITER,BBSR	11/02/2022
5	ARUN GOPE	2101287027	GENESIS-2019(PAPER PRESENTATION)	3rd	ITER,BBSR	11/02/2022
6	SILI SMITA ROUT	1901287003	XTASY-2019(PAPER PRESENTATION)	1st	CET,BBSR	3/1/2023
7	SAROJINI JENA	2101287008	KIITFEST-2019(PAPER PRESENTATION)	1st	KIIT University,BBSR	3/12/2023
8	SHEETAL CHOUDHURY	2001287040	PAPER PRESENTATION@ TECHFEST-2019	2nd	REC,BBSR	1/10/2023
9	SOURAV PATTANAIK	2001287043	VIDYANTRIK-2019(Paper Presentation)	2nd	CVRCE,BBSR	12/19/2022

2021-22

SL NO	STUDENT NAME	REGD. NO	EVENTS	AWARD	ORGANIZER	ORGANIZATION DATE
1	NAMRATA BHATTACHARJEE	1901287030	PAPER PRESENTATION at INNOVISION-2019	1st	GITA,BBSR	12/19/2022
2	SHARMISTHA DAS	1901287034	SAMAVESH-2019 (PAPER PRESENTATION)	3rd	VSSUT,BURLA	12/30/2021
3	YESHWANT DIGAL	1901287073	SAMAVESH-2019 (PAPER PRESENTATION)	2nd	VSSUT,BURLA	12/30/2021
4	SOURAV GHOSH	1901287008	SNTEXPO-2019(Paper Presentation)	2nd	GIET,GUNUPUR	1/3/2022
5	RASHMI MAHATO	1901287023	PAPER PRESENTATION@ TECHFEST-2019	2nd	REC,BBSR	2/16/2022

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Sr. No	Name	PAN No.	University Degree	Date of Recruitm
1	SUBASH MISHRA	ADPPM0030D	M.E/M. Tech and PhD	16/04/1993
2	JOYGOPAL JENA	ABNPJ7373N	M.E/M. Tech and PhD	30/08/2004
3	KRISHNA KUMAR GUPTA	ACUPG6943G	M.E/M. Tech and PhD	09/07/2018
4	SUJIT KUMAR PANDA	AUVPP2039H	M.E/M. Tech and PhD	09/04/2018
5	MADHUSMITA MISHRA	APTPM1365J	M.E/M. Tech and PhD	09/04/2018
6	BINOD SAHOO	DTFPS4827E	M.E/M. Tech and PhD	03/04/2017
7	KALYANI SUBHADARSHINI SINGH	CDPPS3712N	M.E/M. Tech and PhD	03/04/2017
8	CHINMAYANANDA SAHOO	BIWPS9259H	M.E/M. Tech and PhD	09/08/2018
9	CHINMAYA SAHOO	FJVPS1239G	M.E/M. Tech and PhD	09/08/2003
10	MINAKSHI SESHADRI NAYAK	AQPPN4884N	M.E/M. Tech and PhD	11/08/2018
11	PRUNAKRUSHNA PARIDA	BLDPP6404L	M.E/M. Tech	12/07/2018
12	ANURAG SAHOO	BHSPS9991M	M.E/M. Tech	17/04/2017
13	SUSUKHI PANDA	GPQPP7306D	M.E/M. Tech	04/08/2003
14	PRAJNYA PRIYADARSHINI ROUL	BBUPR0942B	M.E/M. Tech	17/04/2018
15	MITALI MADHUSMITA SWAIN	FKSPS0141G	M.E/M. Tech	17/03/2017
16	HIMANSHU SEHERA	BFLPS1102F	M.E/M. Tech	12/07/2018
17	ISWAR CHANDRA SETHI	DRPPS2397D	M.E/M. Tech	01/07/2015
18	SWADHINA PRIYADARSHINI	CJSPP2071L	M.E/M. Tech	13/08/2018
19	AMARJYOTI MOHAPANA	BHCPM0211H	M.E/M. Tech	09/07/2017

5.1 Student-Faculty Ratio (SFR) (20)

UG

No. of UG Programs in the Department: 1

Year of Study	Sanction Intake	Actual admitted through lateral entry students
2nd Year	60	6
3rd Year	60	8
4th Year	60	7
Sub-Total	180	21
Total	201	
Grand Total	201	

PG

No. of PG Programs in the Department: 1

Year of Study
1st Year
2nd Year
Total
Grand Total: 99

SFR

No. of UG Programs in the Department: 1
No. of PG Programs in the Department: 1

Description	CAY(2024-25)
Total No. of Students in the Department(S)	240
No. of Faculty in the Department(F)	18
Student Faculty Ratio(SFR)	13.33
Average SFR	13.66
(*Total Number of Faculty Members in the Department (excluding first year faculty)	

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the correspond
1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department
CJIY(2024-25)	19
CJIYm1(2023-24)	17
CJIYm2(2022-23)	19

Average SFR for three assessment years : 13.66

Assessment SFR : 30

5.2 Faculty Cadre Proportion (20)

Year	F
CJIY(2024-25)	*
CJIYm1(2023-24)	*
CJIYm2(2022-23)	*
Average Numbers	*

Cadre Ratio Marks [(AF1 / RF1) +](AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 20.00

5.3 Faculty Qualification (20)

2024-25(CUY)
2023-24(CUYm1)
2022-23(CUYm2)

Average Assessment : 22.00

5.4 Faculty Retention (10)

Description
No of Faculty Retained
Total No of Faculty
% of Faculty Retained

Average : 191.00

Assessment Marks : 10.00

5.5 Faculty competencies in correlation to Program Specific Criteria (10)

Sl No	Program Specific Subject	Faculty Competencies	
		Name of the faculty Involved	Details
1	Professional design & Construction Engineering Skill	1) Prof. Jaygopal Jena 2) Prof. Chinmay Sahoo 3)Prof. Madhusmita Mishra 4) Prof. Minakshi S.Nayak 5) Prof. Prajnya Priyadarshini Raul 6) Prof. Anurag Sahoo 7) Prof. Jinasiyol Maharana 8) Prof. Pranakrushna Parida 9) Prof. Miss Madhusmita Swain	• All faculty members of the Department are competent enough for design procedures of various structures related to structural Engineering, Water Resources Engineering and Transportation Engineering etc. Specifically, Prof. Jaygopal Jena with his industry background is associated with designs & construction of water resources structures. • Prof. Chinmay Sahoo is expert in Computer Aided Design for frame structures using latest software.
2	Innovative Skill	1) Prof. Jaygopal Jena 2) Prof. Chinmayananda Sahoo 3) Prof. Sujit Kumar Panda 4) Prof. Kalyani S. Singh 5) Prof. Madhusmita Mishra 6) Prof. Isvar Chandra Sethi	• The Department encourages research work and innovation by the faculty members. Prof. Jaygopal Jena and Prof. Chinmayananda Sahoo have developed Paercrete Bricks which has been recommended by MSME of the state. • Prof. Jaygopal Jena and Prof. Chinmayananda Sahoo have also worked on earthen brick using flyash to be used in low cost building, which has been published. • Prof. Sujit Kumar Panda and Prof. Kalyani S. Singh has worked on development of Illuminating Bricks to be used in external walls of the building. • Prof. Madhusmita Mishra and Prof. Isvar Chandra Sethi worked on Self Compacting Concrete by developing Indigenous testing equipment in the laboratory. • Prof. Jaygopal Jena along with his research scholar has worked on Geopolymer Concrete with Glass Fiber. 3. DEVICE FOR EVALUATION OF FLEXURAL STRENGTH OF GRIDDED GLASS FIBER has been developed which has been granted.
3	Civil Engineering Entrepreneurship	1) Prof. Sujit Kumar Panda 2) Prof. Bimosh Sahoo 3) Prof. Himanshu Sahara 4) Prof. Saisakhi Panda	• The faculty member encourages the students to become entrepreneurs those who are interested. Alumni of this Department namely Bibhudutta Mishra, Jinshu Raj, Anuja Das, Jyotimayee Das have become Entrepreneur in different field such as builders, consultancy Firms, organic firms etc. In addition to this Sai Prasad Panda has excelled in Cinematography.

5.6 Innovations by the Faculty in Teaching and Learning (10)

Innovations by Faculty in teaching and learning shall be summarized as per the following :

Description - Activities that enhance student learning are referred to as contributions to teaching and learning. Innovations that result in effective, efficient, and engaging education may include, but are not limited to, the use of ICT in instruction deliver;

1. The work must be made available on institute website.

2. The work must be available for peer review and critique.

3. The work must be reproducible and developed further by other stakeholders.

The department or institution may establish suitable procedures for evaluating, rewarding, and making the contributions available to the general public. Generally speaking, these could include a clear objective statement, sufficient planning, the applica

In order to guarantee that students are learning at a more rigorous pace, the department has chosen to implement the following tactics into its teaching and learning procedures.

A.Write Instructional Objectives for each of the courses: The precise observable activities that pupils should be able to carry out once they have grasped the material and abilities the teacher is attempting to teach them are stated in the Instructions Effectively designed learning objectives will support educators in creating lesson plans, assigning homework, and creating in-class activities, assignments, and assessments. Therefore, before the semester exams, students will receive study guides tha

B. Use active learning in the class to increase student attention: By providing students with breaks throughout a class session, you can keep their focus. The majority of pupils find it difficult to focus during a lecture. Numerous activities have been

Such exercises will promote active learning within the students and address a variety of Educational objectives such as:

Recalling Prior Knowledge: Such exercises will provide the student's opportunity to recall many points about the previous lecture or about a specific topic covered earlier in an attempt to solve the problem given.

Responding to questions: During such sessions the teacher can ask any question related to the topic to any student in the group. Hence, even the weakest of the students in the group gets fair chance to prepare for the question and answer to the pr

Problem Solving: The pupils benefit from these tasks through self-learning as well. For example, students will be able to recognize a new set of problems, summarize the problem statement, create a schematic or flow map, forecast a solution, write th

Explaining written materials: The students are put in pairs and given a text passage or a worked out derivation or problem solution. An arbitrarily designated member of each pair explains each statement or calculation, and the explainer's partner ad

Improve Analytical, critical, and creative thinking: Students are required to identify presumptions, issues, mistakes, or moral conundrums in a case study or design; clarify a technical concept; identify the logical fallacy in an argument; forecast an e

Here, the lesson entails the students working in groups to complete a job and create a final product.

A. Positive Interdependence

B. Individual Accountability

C. Face to face Interaction

D. Appropriate use of teamwork skills

E. Regular self-assessment of team functioning

Assessment and evaluation of teaching quality

The department is aware of the significance of the end-of-course student surveys, which are used to assess the quality of instruction. Though student perspectives are valuable and ought to be incorporated into any assessment strategy, assessment o

The portfolio, which is a collection of student work gathered over time to paint a picture of the students development, is another especially useful tool for learning assessment. Portfolios kept on file with the departments can be used to evaluate a studer

Importance of e-Classroom in Teaching and Learning

The E-class room consists of Projector, Smart board and Computer.Teaching without chalk and blackboard made possible through technology that serves as Fundamental structural changes as Integral to achieving significant improvements in producti

This type learning creates an opportunities to teachers and pupils/students to use the educational resources and other technologies that can increase educational productivity by accelerating the rate of learning reducing costs associated with instructio learning on teacher and student performance, are a few ways that technology can be utilized to transform learning.

5.7 Faculty as participants in Faculty development/training activities/STTPs (10)

Name of the faculty	Max 5 Per Faculty		
	2023-24(CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)
JOYGOPAL JENA	1.00	2.00	2.00
KRISHNA KUMAR GUPTA	1.00	1.00	1.00
SUJIT KUMAR PANDA	5.00	4.00	4.00
MADHUSMITA MISHRA	5.00	5.00	5.00
BINOSH SAHOO	5.00	5.00	5.00
KALYANI SUBHADARSHINI SINGH	5.00	5.00	5.00
CHINMAYANANDA SAHOO	5.00	5.00	5.00
CHINMAYA SAHOO	5.00	5.00	5.00
MINAKSHI SESHADRI NAYAK	5.00	5.00	5.00
PRANAKRUSHNA PARIDA	5.00	5.00	5.00
ANURAG SAHOO	5.00	5.00	5.00
SASANKA PANDA	0.00	0.00	0.00
PRAJNYA PRIYADARSHINI ROUL	5.00	5.00	5.00
MITALI MADHUSMITA SWAIN	5.00	5.00	5.00
HIMANSHU BEHERA	5.00	5.00	5.00
ISWAR CHANDRA SETHI	5.00	5.00	5.00
SWADHINA PRIYADARSHINI	0.00	5.00	5.00
AMARJYOTI MOHARANA	5.00	5.00	5.00
Sum	70.00	77.00	77.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratio as per 5.1	13.00	11.00	19.00
Assessment [3*(Sum / 0.5RF)]	35.00	40.00	35.64

Average assessment over 3 years: 15.00

5.8 Research and Development (75)

3.9.1 Academic Research (33)

Our faculty members involve themselves in various research activities in their respective domain of interest and communicate regularly for publication, which are published. Books have also been published by our faculty. The details of some of the

List of Publications in Refereed / SCI Journals

Sl No	Name of Faculty	Designation	Books/Book Chapters	Journal	Conference
1	JOYGOPAL JENA	Professor	2	20	9
2	SUJIT KUMAR RANDA	Professor		2	4
3	SUSHILA CHANDRA MISHRA	Professor			1
4	KRISHNA KUMAR GUPTA	Professor		3	1
5	CHINMAYANAND A SAHOO	Assoc. Professor		2	4
6	KALYANI SUSHILDURGINI SINGH	Assoc. Professor		1	4
7	BIKASH SAHOO	Assoc. Professor			2
8	MADHUSMITA MISHRA	Assoc. Professor	2	2	6
9	CHINMAYA SAHOO	Assoc. Professor		2	2
10	PRANAKRUSHNA PARIDA	Asst. Professor			2
11	HIMANSHU BEHERA	Asst. Professor			2

Sl No	Name of Faculty	Designation	PhD Guiding
1	Dr. Joygopal Jena	Professor	1

12	GAURAG SAHOO	Asst. Professor			2
13	MITALI MADHUSMITA SWAIN	Asst. Professor			1
14	PRAJNA PRIYADARSINI ROUL	Asst. Professor			6
15	SHIVA CHANDRA SETHI	Asst. Professor			1
16	SUSHRI RANDA	Asst. Professor			3
17	MINAKSHI SHESHADRI NAYAK	Asst. Professor			6
18	SMRUTIJYOTI MOHAPATRA	Asst. Professor			2
	Total		4	33	59

5.3.2 Sponsored Research (20)

2023-24 (CAYm1)

Project Title
Production of Illumination B
Catchment Study

2022-23 (CAYm2)

Project Title
Percolation Test of the Field
Alternate construction mate

2021-22 (CAYm3)

Project Title
Production of Pagerowa Bi
Production of Pagerowa Bi

Cumulative Amount(X + Y + Z) = $6130000.00

5.0.3 Development activities (12)

The Institute provides encouragement to the research activities of the Departments. All the faculties of the Department are also actively associated with research and development work in their respective field. For this purpose, the Department has

I. Centre for development of new construction materials: Here research is being conducted for development of new construction materials. For substituting conventional brick, research is carried on for development of (i) BIO-BRICK i.e. bricks r

All these products have been selected by MSME, Govt. of Odisha. And the proposal has been forwarded to MSME, Govt. of India for approval.

II. Centre for Hydro-Meteorological studies: This is a typical centre constituting an outdoor laboratory where all equipment is installed in open air to record the data of hydrological and meteorological parameters. This is a unique one, which only

- Study of Hydro-meteorological Parameters
- Hydrological Data Analysis
- Stochastic Model Analysis
- Application of Remote Sensing and GIS to Water Resources
- Studies on Watershed Management
- Environmental Studies
- Studies on various aspects of Global Warming

Our Professor-in-charge of the laboratories have prepared indigenous simplified instruction manuals for experiments conducted in the laboratories for better understanding of the students.

III. One more building is being constructed exclusively for this department to be used for new laboratories.

a) One Water Resources Engineering lab has been newly established for various equipment / research work in the field of Water Resources Engineering.

b) One Advanced Structural Engineering Lab has been established for various research work in concrete and other structures.

3.3.4 Consultancy (from Industry) (20)

2023-24 (CAYm1)

Project Title
Layout & Supe
Testing of Con
Layout & Supe
Testing of Con

2022-23 (CAYm2)

Project Title
Layout & Supe
Testing of Con
Layout & Supe
Testing of Con
Layout & Supe
Testing of Con

2021-22 (CAYm3)

Project Title
Testing of Tensile Strength
Layout & Supervision of Hc
Testing of Concrete Cube

Cumulative Amount(X + Y + Z) = 21999.00

5.6 Faculty Performance Appraisal and Development System (FPADS) (10)

To assess the potential and performance of the faculty members, feedback from all the students of concurrent semester is normally taken twice in the semester by the Controller of Academics of the Institution. Also feedback from "Elite Group" of

The above feedback and other feedbacks received from all stakeholders such as; feedback from current students as stated above, feedback from alumni and feedback from parents are analysed by Head of the Department in consultation with Ac

Individual counselling was done to the faculty member for the weakness, if found with anybody. To boost the knowledge faculty members are deputed for training in external institutions/ organisations with institutional financial support. They are al

To encourage research work the faculty members are offered incentive by the Institution for publication for their research work in refereed journals. They are also provided adequate laboratories facilities required for their research work. Special

Please answer the questions below to help the authorities of GITG for improving the methodology of teaching learning process. Tick mark against the appropriate square block.

5 – Excellent, 4 – Very Good, 3 – Good, 2 – Average, 1 – Poor

SL. NO.	ATTRIBUTES	Ratings(1=Fair), 5=(Excellent)				
1	Academics is the strength of your college	5	4	3	2	1
2	How do you rate the available Infrastructure of the college?	5	4	3	2	1
	Library is the Gyan Mandir. How do you find it useful?	5	4	3	2	1
4	The green environment at GITG helps maintaining peace of mind, a must for students.	5	4	3	2	1
5	Hostel is a place to leave with your friends. How do you rate your hostel?	5	4	3	2	1
6	Rate your food in your hostel.	5	4	3	2	1
7	Rate the food available in the Food Court	5	4	3	2	1
8	Hygienic condition of the College Hostel.	5	4	3	2	1
9	Study hour is important. Do you feel comfortable during study hours?	5	4	3	2	1
10	Your proctor interacts with you/your parents. How do you rate this?	5	4	3	2	1
11	Your proctor knows your name and contact number.	5	4	3	2	1

12	Are you satisfied with other facilities available?	5	4	3	2	1
13	How do you rate your teacher?	5	4	3	2	1
14	Co-curricular and extracurricular activities of the college?	5	4	3	2	1
15	You would recommend your friends/neighbours to study in GITL?	5	4	3	2	1
Any other suggestion for improvement :						

Analysis of Students Satisfaction Survey(Existing):

5 – Excellent, 4 – Very Good, 3 – Good, 2 – Average, 1 - Poor

SL. NO.	ATTRIBUTES	5	4	3	2	1	COMMENTS
1	Academics is the strength of your college	83%	16%	02%	0	0	Excellent
2	How do you rate the available infrastructure of the college?	71%	13%	14%	02%	0	Excellent
3	Library is the Gyan Mandir. How do you find it useful?	92%	07%	01%	0	0	Excellent
4	The green environment at GITL helps maintaining peace of mind, a must for students.	76%	21%	02%	02%	0	Excellent
5	Hostel is a place to leave with your friends. How do you rate your hostel?	68%	13%	16%	02%	03%	Needs Improvement
6	Rate your food in your hostel.	83%	17%	10%	07%	03%	Needs Improvement
7	Rate the food available in the Food Court (Canteen).	77%	18%	03%	0	0	Excellent
8	Hygienic condition of the College/Hostel.	79%	14%	06%	04%	0	Excellent
9	Study hour is important. Do you feel comfortable during study hours?	99%	03%	0	0	0	Excellent
10	Your proctor interacts with you/your parents. How do you rate this?	94%	06%	0	0	0	Excellent

11	Your proctor knows your name and contact number.	100%	0	0	0	0	Excellent
12	Are you satisfied with other facilities available?	89%	08%	03%	03%	0	Excellent
13	How do you rate your teacher?	89%	08%	03%	0	0	Excellent
14	Co-curricular and extracurricular activities of the college?	72%	07%	13%	08%	0	Excellent
15	You would recommend your friends/near&dear to study in GITU?	88%	03%	03%	07%	0	Excellent

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10)

Reputed professors from different institutions, scientist from research organization and experts from various organizations were invited for delivering lectures to boost the knowledge of the students. A list of some of the experts/scientist visiting p

Events Organized Since Last Three-Year

Sl No	Event Name	Event Title	Resources Person	Date of the Event	No of Participants	Duration
1	Two days FDP	Design Irrigation System	Er. Bijay Pradhan,Dy Director, Design,GOVT. of Odisha	29/08/2003 -09/09/2003	41	9 hours
2	Three days FDP	Foundation Treatment for sandwich pervious layer under Earthen Dam	Er. (Dr.) Mahendra Kumar Bhuyan,GOVT. of Odisha	08/02/2004 -10/02/2004	34	12 hours
3	Two days FDP	Retrofiting of Old Structure	Dr. N.C.Pal, Dy Director,Design,GOVT. of Odisha	06/04/2004 -09/04/2004	27	9 hours
4	Three days FDP	Optimal Distribution of Canal Irrigation Water	Dr. Chandra Sekhar Padhi, Dy Director, Design,GOVT. of Odisha	13/10/2003 -15/10/2003	60	12 hours
5	Two days FDP	Deficit Irrigation Supply	Dr. Rabindra Kumar Panigrahi, CE,GOVT. of Odisha	16/10/2003 -17/10/2003	71	12 hours
6	One day FDP	Vibration of Tall Structure	Dr. Ramakanta Panigrahi, Professor,VSSUT Burla	19/03/2003	60	6 hours
7	Two days FDP	Sedimentation of Chilika Lagoon	Dr. Siba Prasad Mishra, EE(Retd.),Govt. of Odisha	27/08/2001 -28/08/2001	21	12 hours
8	One day FDP	Use of Plastic in Flexible Road	Dr. Mahesh Panda, NITRourkela	22/10/2001	66	6 hours
9	One day FDP	Application of CNS soil under Canal Lining	Dr. Sumant Halder,IIT[BHU]	13/11/2001	77	6 hours
10	Two days FDP	Manufacture of Cement	Jimtav Mitra, JGM, Training &Development,Dalmia Cement	14/01/2003 -15/01/2003	28	12 hours
11	One day FDP	Hands on Total Station	Mr. Sanjay Sahoo ,Director,Srigeeta Consultancy	6/4/2002	20	6 hours

6 FACILITIES AND TECHNICAL SUPPORT (50)

6.1 Adequate and well equipped laboratories, and technical manpower (40)

Sr. No	Name of the Laboratory	Number of students per batch(Batch Size)	Name of the Important Equipment	Weekly utilization hours(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	TransportaTher	30	Impact test ma	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
2	TranporTrans	30	Crushing Test	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
3	TransTranspo	30	Los Angeles Ab	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
4	TransportaTra	30	Thickness gau	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
5	TransportaioT	30	Soundness & I	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
6	TransportaTra	30	Penetration Ap	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
7	Transportation	30	Ring Ball Appa	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
8	TransportaioT	30	Ductility Testi	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
9	TransportaioT	30	Stripping Bitu	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
10	TransportaioT	30	archal Stability	3 hrs.	Ipsita Behera	Lab Assistant	Diploma in Civi
11	Material Testin	30	Vicat Apparatu	10 hrs.	Manoranjan Pa	Lab Assistant	Diploma in Civi
12	Material Testin	30	Compression T	10 hrs.	Manoranjan Pa	Lab Assistant	Diploma in Civi
13	Material Testin	30	Le Chantlier Ap	10 hrs.	Manoranjan Pa	Lab Assistant	Diploma in Civi
14	Concrete Lab	30	Slump Cone Ap	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
15	Concrete Lab	30	Compaction Fa	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
16	Concrete Lab	30	Flow Table	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
17	Concrete Lab	30	ompression Te	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
18	Concrete Lab	30	Flexural Testin	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
19	Concrete Lab	30	Table Vibrator	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
20	Concrete Lab	30	Needle Vibrato	6 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
21	Concrete Lab	30	Mixer machine	10 hrs.	Bahram Panda	Lab Assistant	Diploma in Civi
22	Geotechnical I	30	Liquid Limit De	< hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
23	Geotechnical I	30	Plastic Limit D	< hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
24	Geotechnical I	30	Core Cutter	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
25	Geotechnical I	30	Vane Shear Ap	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
26	Geotechnical I	30	Unconfined Co	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
27	Geotechnical I	30	CBR Testing M	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
28	Geotechnical I	30	Direct Shear Ap	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi
29	Geotechnical I	30	Standard Com	6 hrs.	Priyanka Sethy	Lab Assistant	Diploma in Civi

● - NBA

20	Geotechnical l	39	Consolidation	4 hrs	Priyanka Sathy	Lab Assistant	Diploma in Civi
21	Geotechnical l	39	Pycnometer	6 hrs	Priyanka Sathy	Lab Assistant	Diploma in Civi
22	Geotechnical l	39	Triaxial Shear	6 hrs	Priyanka Sathy	Lab Assistant	Diploma in Civi
23	Surveying Lab	34	Total Station	6 hrs	Janmanjay Dh	Lab Assistant	Diploma in Civi
24	Surveying Lab	34	Theodolite	6 hrs	Janmanjay Dh	Lab Assistant	Diploma in Civi
25	Surveying Lab	34	Dumpy Level	6 hrs	Janmanjay Dh	Lab Assistant	Diploma in Civi
26	Surveying Lab	34	Prismatic Com	6 hrs	Janmanjay Dh	Lab Assistant	Diploma in Civi
27	Surveying Lab	34	Chain	6 hrs	Janmanjay Dh	Lab Assistant	Diploma in Civi
28	Environmental	32	Digital Turbidi	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
29	Environmental	32	Digital PH Met	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
40	Environmental	32	Jar Test Appar	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
41	Environmental	32	Bio Chemical (	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
42	Environmental	32	Dissolved Oxy	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
43	Environmental	32	Chemical oxyg	6 hrs	Muskan Begun	Lab Assistant	Diploma in Civi
44	Advance Engir	32	Strain Gauge I	6 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
45	Advance Engir	32	Column & Stru	6 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
46	Advance Engir	32	Elastic Progen	6 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
47	Advance Engir	32	Deflection of T	6 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
48	Advance Engir	32	Rebound Ham	6 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
49	Advance Engir	32	Plate Load Te	4 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
50	Advance Engir	32	Cone Penetrat	4 hrs	Sanjaya Sama	Lab Assistant	Diploma in Civi
51	Hydro meteroli	30	Sun Shine Rec	7 days	Om Nayak	Lab Assistant	Diploma in Civi
52	Hydro meteroli	30	Water Curren	9 days	Om Nayak	Lab Assistant	Diploma in Civi
53	Hydro meteroli	30	Thermo hydrog	7 days	Om Nayak	Lab Assistant	Diploma in Civi
54	Hydro meteroli	30	Self Recording	7 days	Om Nayak	Lab Assistant	Diploma in Civi
55	Hydro meteroli	30	Wind Vane	7 days	Om Nayak	Lab Assistant	Diploma in Civi
56	Hydro meteroli	30	Anemometer	7 days	Om Nayak	Lab Assistant	Diploma in Civi

6.2 Laboratories maintenance and overall ambiance (10)

All our laboratories are placed in the ground floor of the building for facilitating the installation of heavy equipment; this provides safety to the building from vibrations caused due to running of the machine. The laboratories rooms are spacious, well ligh Instruction arrangements have been made inside every laboratory. Separate water closets for boys & girls have been provided in the vicinity of the laboratories. Permanent water supply arrangements along with wash basins and vats are made in the la

To improve the overall ambience of the laboratories the following action has been taken.

- One Air condition has been provided in the Advanced Civil Engineering laboratory where the computerised UTM is installed for smooth running of the machine.
- Some of the equipments are reinstalled in one side of the Geotechnical Engineering laboratory in line with other equipments,where larger windows are provided for better ventilation.This facilitated the working condition during conducting experime
- The Concrete & Structural Engineering Laboratory have been extended by constructing additional room with sufficient ventilation.
- The Hydrometeorological Laboratory has been shifted to a convient place closer to the the Civil Engineering Laboratory complex.
- One new laboratory building is under construction for establishment of Laboratories for M.Tech courses.

6.3 Safety measures in laboratories (10)

Sr. No	Laboratory Name	Safety Measures
1	Transportation Engineering Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
2	Material Testing Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
3	Concrete Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
4	Geotechnical Engineering Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
5	Surveying Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
6	Environmental Engineering Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
7	Advance Engineering Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora
8	Hydro meteorological Lab	For observing safety of the student and the staff, the safety instructions are displayed in the labora

List Project laboratory (20)

Separate project laboratories have been established in the Department for carrying on research work. Sponsored research project and other research work carried on by faculties are facilitated in this. Whenever necessary the students are also given a

Earlier students were coducting project works inside the respective laboratories for which students were facing space constraint in the laboratory.Though presently the students are conducting their experiments related to project work in the respective l

1. Laboratory Overview

The Project Laboratory is a dedicated space for students to work on academic and industry-sponsored projects. It is equipped with modern computing systems, prototyping tools, and research resources to support innovation and project-based learning

2. Utilization of the Laboratory

The Project Laboratory is utilized in the following ways:

- Final Year Projects: Used extensively by final-year students for capstone projects.
- Industry & Research Collaboration: Supports industry-sponsored projects and research activities.
- Hackathons & Competitions: Facilitates participation in national and international competitions.
- Workshops & Training Sessions: Hosts technical skill enhancement workshops.
- Interdisciplinary Research: Encourages students from different departments to collaborate on innovative projects.

3. Maintenance & Upgradation

- Regular software and hardware updates.
- Scheduled maintenance of equipment.
- Addition of emerging technology tools as per curriculum advancements.

Facility	Description	Utilization
Structural Engineering Lab	Equipped with UTM, compression testing machine, and flexure testing equipment.	Used for testing concrete, steel, and other structural materials. Helps in analyzing the strength and behavior of materials under load.
Concrete Technology Lab	Includes concrete mixers, slump cone apparatus, and curing tanks.	Utilized for studying concrete properties, mix design, and quality control tests.
Geotechnical Engineering Lab	Contains direct shear apparatus, triaxial shear test, and soil classification tools.	Used for soil testing, foundation analysis, and determining soil bearing capacity.
Surveying Lab	Equipped with total stations, theodolites, and GPS systems.	Used for land surveying, topographic mapping, and field measurements.
Environmental Engineering Lab	Includes water quality testing kits, BOD/COD apparatus, and pH meters.	Used for water and wastewater analysis, environmental monitoring, and pollution control studies.
Transportation Engineering Lab	Contains Los Angeles abrasion test, bitumen testing equipment, and CBR apparatus.	Utilized for pavement material testing, road quality assessment, and transportation research.
Computer-Aided Design (CAD) Lab	Equipped with design software (AutoCAD, STAAD Pro, etc.).	Used for structural modeling, drafting, and simulation in civil engineering design.
Hydraulics and Fluid Mechanics Lab	Includes flow measurement apparatus, notches, and hydraulic flumes.	Used for fluid flow analysis, hydraulic structure testing, and water resource studies.
Construction Management Lab	Project planning tools and software (Primavera, MS Project).	Used for project scheduling, resource management, and cost estimation.
Advanced Material Testing Lab	Modern equipment for advanced material analysis and non-destructive testing (NDT).	Utilized for advanced research on innovative construction materials and their performance.

7 CONTINUOUS IMPROVEMENT (75)

7.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30)

PO Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level
PO 1 : Engineering Knowledge	
PO 1	1.61
Action1: More practical application of course outcome has to be included to improve the attainment level of PO1. Action 2: Unit-wise question bank should be improved and at-least one class should be allocated for preparing the students for more nur	
PO 2 : Problem Analysis	
PO 2	1.77
Action 1: Objective Question Bank should be improved and at-least one class should be allocated for Preparing the students for objective questions as quiz. Action 2: Number of tutorial classes were conducted during semester. Action 3: Beyond syllat	
PO 3 : Design/development of Solutions	
PO 3	1.43
Action1: Well defined Objective Question Bank of different subjects be developed by faculty members. Action 2: Hands on session need to be improved, to improve students' performance in the internal examination. Action 3: More design classes to b	
PO 4 : Conduct Investigations of Complex Problems	
PO 4	1.22
Action1: Add on Course on Research papers included for final year students. Action 2: More project classes conducted to improve attainment level. Action 3: Conduct number of seminars for corresponding subject to attain the level. Action 4: For devel	
PO 5 : Modern Tool Usage	
PO 5	1.33
Action1: The laboratory experiments done by the students are repeated for better understanding. Action2: Students are given special training for analysis and interpretation of data through extra tutorial classes taken by senior professors. Action3: Enjo	
PO 6 : The Engineer and Society	
PO 6	1.47
Action1: We guide our students to select the projects based on safety concerns and social aspects, such that they are applicable to society. Action 2: More objective questions designed for students and practiced in class. Action 3: Organize seminars,	
PO 7 : Environment and Sustainability	
PO 7	1.43
Action1: Special classes were taken to demonstrate these aspects.Action 2: Students were given exposure to the social activities through interaction with the public. Action 3:NGOs dealing with the subjects were invited for involving our students in the	
PO 8 : Ethics	
PO 8	1.60
Action1: We guide our students to select more projects related to ethics and creating awareness. Action 2: More number of workshops were being conducted on ethical issues of professional studies. Action 3: Conducted seminars and guest lectures o	
PO 9 : Individual and Team Work	
PO 9	1.69
Action1: More number of paper presentations should be encouraged in Tech Fest. Action 2: Workshops conducted on entrepreneurship to motivate students to be a entrepreneur. Action 3: More number of seminars on project development were condu	
PO 10 : Communication	
PO 10	1.77
Action1: More seminar sessions should be conducted to attain PO. Action 2: Group discussions, debate session was conducted to improve students' performance in the external examination and prepared themselves for interviews. Action 3: Seminar	
PO 11 : Project Management and Finance	
PO 11	1.27

Action1: Special training program was conducted prior to permission for attending industrial training. Action 2: Special effort was taken to improve the interest and performance of the students in Engineering Economics subjects. Action 3: The practicin
PO 12 : Life-long Learning
PO 12 | 1.21
Action1: Organize more study tour and industrial visit for student. Action 2: Organize industrial training on advanced software program: - AutoCAD, Staad Pro, Revit, 3D Max. Action 3: Conducted more training classes on advanced technologies (VB-I

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level
PSO 1 : Professional Design & Construction Engineering Skill: Skill to apply the latest Design procedures for civil engineering structures by developing and applying the latest software. Construction being the heart of the Infrastructu	
PSO 1	1.68
Action 1: Seminar were conducted for IV-year Students. Action 2: Gather knowledge related to the Civil Software Tools tools such as AutoCAD, Staad Pro, GIS , GPS , Total Station, MS – Project, 3D - Printing. Action 3: Remedial classes were also org	
PSO 2 : Innovative Skill: An ability to explore new ideas in the field of Civil Engineering with the help of Development of high-quality technical knowledge through application of software and field observed data.	
PSO 2	1.47
Action1: Special lectures were conducted for counselling the students regarding the scope of Civil and Construction Engineering entrepreneurship those are huge and attractive. Action 2: Students having right attitude of being entrepreneur were enco	
PSO 3 : Civil Engineering Entrepreneurship: Scope of Civil and Construction Engineering Entrepreneurship are huge and attractive. Students of having right attitude of being entrepreneurs are encouraged and they can avail institu	
PSO 3	1.71
Action 1: Workshop should be conducted on planning and layout to improve the student knowledge levels. Action 2: Students are assigned with more minor projects. Action 3:Guest lecturer sessions were arranged in regular interval to give basic know	

7.2 Academic Audit and actions taken thereof during the period of Assessment (*2)

Academic audit is a part of standard procedure adopted in the institution to assess the quality of academic activities. The student results being the most important parameter of judgement of the quality, after declaration of University examination the r Feedback of all stakeholders such as current students, alumni, parents and recruiters for placement are also considered. Some of the actions generally taken for improvement of the performance of the student as stated under.

1. Students are given special training for analysis and interpretation of data through extra tutorial classes taken by senior professors.

2. The laboratory experiments done by the students are repeated for better understanding.

3. Experts from industries were invited for additional knowledge.

4. Students were given exposure to the social activities through interaction with the public.

5. The students were counselled regarding effectiveness of individual contribution for the team work.

6. We focused on the effectiveness of team work results in their group projects.

7. To achieve the curtain of the team work, the students were regrouped considering their like-mindedness instead of arbitrary grouping.

8. Special effort was taken to improve the interest and performance of the students in Engineering Economics subjects.

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (*0)

Most of our students are engaged through placement in different organisations, joining premier institutions for higher studies and some interested students opting for entrepreneurship.

For increasing in number of placements of students different industry oriented courses are opted by the Department from professional electives and other electives offered by the University in the curriculum such as Entrepreneurship Development, IOT

The students interested for higher studies are encouraged for appearing various competitive examinations such as GATE, PSU, MAT, CAT etc. meant for selection for higher studies. Interested students are offered special coaching for these examinatio

The students interested for entrepreneurship are also encouraged giving scope through counselling. They are advised for student research in the Institution Incubation Centre to develop their ideas. The Department of MSME of the State and the Centr

7.1 Improvement in the quality of students admitted to the program (20)

Item		2024-25
National Level Entrance Examination JEE(Main)	No of students admitted	69
	Opening Score/Rank	82272
	Closing Score/Rank	372391
State/ University/ Level Entrance Examination/ Others	No of students admitted	0
	Opening Score/Rank	0
	Closing Score/Rank	0
Name of the Entrance Examination for Lateral Entry or lateral entry details CUSE	No of students admitted	0
	Opening Score/Rank	0
	Closing Score/Rank	0
Average CBSE/any other board result of admitted students(Physics, Chemistry&Maths)		66

5 FIRST YEAR ACADEMICS (50)

5.1 First Year Student-Faculty Ratio (FYSTR) (2)

Please provide First year faculty information considering load

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)		
							CAY	CAYm1	CAYm2
SUJAYA MISHR	BGGPM5200B	M.SC.(Mathematics) and PHD	03/09/2015	Numerical Analysis	Associate Professor	01/07/2013	100	100	100
RABINDRA PA	AHBPP9140D	M.SC.(Mathematics) and PHD	01/08/2016	Fluid dynamics	Associate Professor	01/01/2014	100	100	100
PRASANT KUI	BDBPP7276J	M.Sc. and PHD	09/04/2016	Language and Communication	Associate Professor	04/08/2018	100	100	100
SAROJ KANTI	AGRPM6430C	M.Sc. and PHD	10/10/2016	Language and Communication	Associate Professor	02/08/2018	100	100	100
AMBUJA SAH	CKBPS8189D	M.Sc. and PHD	10/10/2022	Organic Chemistry	Associate Professor	04/12/2017	100	100	100
ASIMA MISHR	CSUPM7202D	M.SC.(Mathematics) and PHD	11/08/2021	Numerical Analysis	Associate Professor	01/09/2021	100	100	100
SHANTANU KI	AMXPS8740K	M.Sc. (Physics) and Ph.D.	26/08/2014	Solid State Physics	Associate Professor	23/10/2005	100	100	100
SAKTI PRASA	ALUPM0757M	M.Sc. (Physics) and Ph.D.	30/11/2017	Photonics	Associate Professor	01/03/2006	100	100	100
BIRANCHI NA	AGSPD1008B	M.SC.(Mathematics) and PHD	19/11/2018	Numerical Analysis	Associate Professor	16/08/2006	100	100	100
MANORANJA	AVLPS1874A	M.SC.(Mathematics) and PHD	28/02/2011	Numerical Analysis	Associate Professor	02/08/2009	100	100	100
RASABIHARI	AYHPM8084H	M.Sc. and PHD	25/10/2021	Language and Comunication	Associate Professor	12/12/2011	100	100	100
RAMSHANKA	CKWPP8102D	M.Sc	26/01/2012	Plasma Physics	Assistant Professor	12/09/2013	100	100	100
RASHMIBALA	FSFPS4289C	M.Sc	20/10/2019	Graph Theory	Assistant Professor	01/07/2017	100	100	100
GEETARANI P	AWRPP0984C	M.Sc	20/09/2019	Business Management	Assistant Professor	06/07/2017	100	100	100
BIRANCHI NA	CNRPP8817J	M.Sc	17/10/2017	Nano Technology	Assistant Professor	06/07/2017	100	100	100
UTKALIKA RA	BAYPP8408J	M.Sc. and PHD	30/05/2023	Language and Comunication	Assistant Professor	06/07/2017	100	100	100
NALINIKANTA	DGAPP7136K	M.Sc	17/08/2017	Language and Comunication	Assistant Professor	04/12/2017	100	100	100
DIPAK KUMAR	APZPS8671H	M.Sc. and PHD	25/10/2021	Micro Economics	Assistant Professor	04/07/2017	100	100	100
BHAGABAN SA	COZPS7740G	M.Sc. and PHD	26/10/2021	Numerical Analysis	Assistant Professor	03/12/2018	100	100	100
BHARAT CHA	AGTPK0871C	M.Sc. and PHD	30/10/2010	Physical Chemistry	Assistant Professor	02/11/2012	100	100	100
PINTU DANDA	BUIPD8721N	M.Sc	04/06/2018	Inorganic Chemistry	Assistant Professor	04/08/2018	100	100	100
PRADEEP KU	AILPM8141K	M.Sc. and PHD	18/10/2016	Fuzzy Optimization	Assistant Professor	03/12/2012	100	100	100

NILAMBAR TR	AWXPT9498B	M.SC.(Mathematics) and PHD	10/10/2022	Fluid dynamics	Associate Professor	09/10/2023	100	100	0
SHASANKSHAI	FTUPM7870Q	M.E/M.Tech	02/10/2023	ELECTRICAL ENGINEERING	Assistant Professor	08/01/2024	20	0	0
IPSITA NIRMA	ATUPN8188K	M.E/M.Tech	19/06/2020	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Assistant Professor	08/07/2024	20	0	0
ANANYSKA KI	IDUPK1223H	M.E/M.Tech	24/06/2024	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Assistant Professor	01/07/2024	20	0	0
SIRAJA SHAH	AMMPS0896D	M.SC.(Mathematics) and PHD	14/06/2022	Graph Theory	Associate Professor	11/09/2023	100	100	0
MADHUSMITA	ANPPM7440Q	M.SC.(Mathematics) and PHD	17/07/2022	Fluid dynamics	Associate Professor	08/09/2023	100	100	0
MAITRI MINAF	BFVPM8804A	M.Sc. and PHD	01/08/2022	Industrial Chemistry	Assistant Professor	01/09/2023	100	100	0
SHIFA SHAMI	LPOPS8889K	M.Sc	26/08/2022	Language and Comunication	Assistant Professor	01/09/2023	100	100	0
PRITESH MOI	AOEPM5028J	M.Sc. and PHD	28/10/2009	Language and Comunication	Professor	01/08/2024	100	0	0
ARPITA ANNO	DUZPD7847N	M.Sc. and PHD	20/06/2019	Numerical Analysis	Professor	02/08/2024	100	0	0
SANKURSAN :	BWOPS7420K	ME/M. Tech and PHD	02/08/2021	IOT Web Technology	Associate Professor	02/08/2010	0	100	100
MOHAMMED J	SOVPM5418J	ME/M. Tech and PHD	22/05/2022	IoT Machine Learning	Associate Professor	08/10/2021	0	100	100
SUDHIR KUM	AHBPP7042H	MA	18/10/2017	Language and Communication	Assistant Professor	01/11/2023	100	100	0
AMARJYOTI N	EHCPM0211H	M.E/M.Tech	08/07/2017	CIVIL ENGINEERING	Assistant Professor	09/10/2017	20	20	20
BISWAJIT SAI	KLLPS8898Q	M.E/M.Tech	08/08/2016	MECHANICAL ENGINEERING	Assistant Professor	06/10/2016	20	20	20
PURNIMA SAI	BFXPS8048C	M.E/M.Tech	10/07/2017	MECHANICAL ENGINEERING	Assistant Professor	07/08/2017	20	20	20
CHIRANJIBI R	CHSPP1873R	M.E/M.Tech	11/07/2018	MECHANICAL ENGINEERING	Assistant Professor	02/07/2018	20	20	20
PRATIK SARA	HPUPS7189L	M.E/M.Tech	08/07/2017	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	08/07/2017	20	20	20
TANAGA SEUF	AWPPS8428Q	M.E/M.Tech	03/07/2017	ELECTRICAL AND ELECTRONICS ENGINEERING	Assistant Professor	03/07/2017	20	20	20
SWAPNARANI	CWPPM7417K	M.E/M.Tech	08/07/2018	ARTIFICIAL INTELLIGENCE	Assistant Professor	08/07/2018	20	20	20
DEEPAK KUM	SOPPM1140D	M.E/M.Tech	01/11/2017	COMPUTER SCIENCE AND ENGINEERING DATA SCIENCE	Assistant Professor	01/07/2017	20	20	20
PRIYANKA DU	SOSPD8489F	M.E/M.Tech	08/07/2017	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	Assistant Professor	08/07/2017	20	20	20
SUSHREE SW	SAZPM0209F	M.E/M.Tech	07/07/2017	ARTIFICIAL INTELLIGENCE	Assistant Professor	07/07/2017	20	20	20
ABINASHA SA	SOOPS7827D	M.E/M.Tech	01/07/2017	COMPUTER SCIENCE AND ENGINEERING IoT	Assistant Professor	01/07/2017	20	20	20
CHINMAYA KU	SPFPP0798K	M.E/M.Tech	03/07/2017	COMPUTER SCIENCE AND ENGINEERING IOT	Assistant Professor	03/07/2017	20	20	20

BISWAJIT RAY	CORPR9609G	M.E/M.Tech	04/07/2017	ARTIFICIAL INTELLIGENCE	Assistant Professor	06/07/2017	80	80	80
ABHILASH CH	AZPPC8438E	M.E/M.Tech	01/07/2019	COMPUTER SCIENCE AND ENGINEERING DATA SCIENCE	Assistant Professor	01/07/2019	80	80	80
SUDHANSHU	BDRPD3737J	MBA & Ph.D	11/10/2016	MASTERS IN BUSINESS ADMINISTRATION	Assistant Professor	09/09/2019	80	80	80
TANUSHA KUMA	JYBPK7771M	MBA & Ph.D	17/10/2017	MASTERS IN BUSINESS ADMINISTRATION	Assistant Professor	04/07/2017	80	80	80
MONALISA SU	QBUPS7304B	MBA	06/07/2017	MASTERS IN BUSINESS ADMINISTRATION	Assistant Professor	06/07/2017	80	80	80
DUSMANTA KI	CPWPS5413K	MBA & Ph.D	25/09/2019	MASTERS IN BUSINESS ADMINISTRATION	Assistant Professor	16/09/2019	80	80	80
SWADHINA PA	CJBPP5071L	M.E/M.Tech	13/09/2019	CIVIL ENGINEERING	Assistant Professor	07/03/2017	80	80	80
RABIRANJAN	BXRPP7402J	M.Sc	27/11/2019	Physical Chemistry	Assistant Professor	04/09/2019	100	100	100
SONALIKA PR	DHUPP2139Q	M.Sc	14/09/2019	Language and Comunication	Assistant Professor	16/09/2019	100	100	100
PRITISH BHU	BDFPB8029C	M.Sc. and PhD	30/11/2019	Language and Comunication	Assistant Professor	01/12/2019	100	100	100
SUSURIKA DA	BPZPD8131G	M.Sc. and PhD	27/10/2030	Language and Comunication	Assistant Professor	02/09/2019	100	100	100
LYNDON DON	JDFPT0888D	M.Sc. and PhD	22/10/2019	Language and Comunication	Assistant Professor	01/12/2021	100	100	100
SUSITA ROUL	BBHPR8022H	M.Sc. and PhD	24/10/2019	Language and Comunication	Assistant Professor	01/09/2021	100	100	100
SUJAYAKANT	JNCPR2547J	M.Sc. and PhD	22/10/2019	Analytical Chemistry	Assistant Professor	01/09/2021	100	100	100
MUTHU VENK	QEVPS4294N	M.Sc	27/09/2019	Business Management	Assistant Professor	30/09/2019	100	100	100
ROJALINI DEV	DHRPD9732J	M.Sc. and PhD	29/10/2019	Language and Comunication	Assistant Professor	03/09/2021	100	100	100
RAJIB KUMAR	JOOPD9999R	M.Sc. and PhD	24/11/2014	Language and Comunication	Assistant Professor	30/09/2009	100	100	100
CHINMAYEE D	JOXPD1178J	M.Sc	29/09/2014	Physical Chemistry	Assistant Professor	01/09/2009	100	100	100
SUSHASHREE	JPHPS9072K	M.Sc. and PhD	22/11/2009	Numerical Analysis	Assistant Professor	04/09/2004	100	100	100
LAXMIKANTA	JNVPM9042P	M.Sc. and PhD	29/10/2014	Condensed Mater Physics	Assistant Professor	12/12/2011	100	100	100
DHARANIDHA	JEXPS7209C	M.Sc. and PhD	17/10/2007	Language and Comunication	Professor	16/09/2019	100	100	100
SURAJA PRA	JDFPM9098H	M.Sc. and PhD	20/11/2017	Organic Chemistry	Professor	01/09/2009	100	100	100
SURADENDU	JGVPS7294L	M.Sc. and PhD	14/07/2009	Physical Chemistry	Professor	10/12/2011	100	100	100
SURUTA CHA	JEXPM9420E	M.Sc. and PhD	01/07/1992	Inorganic Chemistry	Professor	09/09/2009	100	100	100
KEDUR MOHA	JNPPM2070J	M.Sc. and PhD	13/09/2009	Industrial Chemistry	Professor	27/09/2009	100	100	100

KISHORE KUA	ALPPK4980H	M.Sc. and PhD	01/08/2017	Fuzzy Optimization	Professor	08/10/2004	100	100	100
SMITARANI R.	ASLPP1098D	M.Sc. and PhD	28/02/2012	Language and Comunication	Professor	28/07/2005	100	100	100

Year
2022-23(CAYm2)
2023-24(CAYm1)
2024-25(CAY)
Average

AverageFYSFR: 0.00

Assessment [(5 * 15) / AverageFYSFR]: 5.00

8.2 Qualification of Faculty Teaching First Year Common Courses (5)

Total Marks 4.00

Institute Marks : 4.00

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1)	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23	34	16	21	4.00
2023-24	34	16	24	4.00
2024-25	38	21	60	4.00

Average Assessment: 4.00

8.3 First Year Academic Performance (10)

Total Marks 8.40

Institute Marks : 8.40

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	8.48	8.41	8.30
Total Number of successful students(Y)	1125.00	1088.00	900.00
Total Number of students appeared in the examination(Z)	1125.00	1088.00	900.00
API [X*(Y/Z)]	8.48	8.41	8.30

Average API[(AP1+AP2+AP3)/3] : 8.40

Assessment = Average API : 8.40

8.4 Attainment of Course Outcomes of first year courses (10)

Total Marks 10.00

3.1.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (2) Institute Marks : 2.00

- In line with the course objectives, the curriculum has been meticulously designed by the Institution and is being strictly followed. The teaching-learning process has been structured accordingly. In addition to traditional blackboard teaching, we incorporate PowerPoint presentations and demonstrations using various physical models to emphasize the practical aspects of the subjects.
- Students are also provided opportunities to visit project sites and industries to enhance their skills. Continuous evaluation is carried out through assignments, quiz, surprise test, mid-term examination, seminars, laboratory assessments, and project work. Students are regularly informed of their performance to help them identify areas for improvement.
- Additionally, students are given opportunities and platforms to pursue and enhance their interests beyond academics. It has been observed that many students excel in their chosen fields of interest, demonstrating notable progress and success.
- Feedback is regularly collected from students, parents, alumni, employers, industry experts, and academic professionals to identify potential modifications for improving the achievement of the desired course outcomes. The departments advisory committee, along with the Institutes advisory body, is also consulted for their advice, comments, and suggestions. Additionally, the opinions and feedback of recruiters from various organizations and companies visiting the campus for placements are given significant consideration in this process.
- Taking into account the complexity and weightage of the subjects, the Departmental Advisory Committee, in consultation with the Institute Advisory Committee, has established targets for the attainment of POs, PSOs, and PEOs. In cases where the targets are not met, necessary remedial measures are implemented as outlined in subsequent sections. When the targets are achieved, new and higher targets are set to ensure continuous improvement.

Assessment Pattern		
	Assessment Type	Assessment Tool

Theory	Direct Attainment	1. Internal Examination-1(QUIZ, ASSIGNMENT, SURPRISE TEST) Quiz : 5 Marks Assignment: 5 Marks Surprise test: 5 Marks Total: 15 Marks 2. Mid- semester exam (Internal Examination-2) Short Answer Type Questions, Focused type, Long type based on question wise CO's Mapping: 25 Marks : 25 Marks **Total: 15+25= 40 Marks**
		End Semester Examination: 60 Marks (External Exam)
	Indirect Attainment	**Course Exit Survey**
	Computation of Direct CO attainment in the Course: **40% of Internal Examination attainment + 60 % of End Semester Exam attainment**	
	Computation of Overall CO attainment in the Course: **80 % of Direct CO attainment + 20 % of Indirect CO attainment**	
LAB	Direct Attainment	Assessment Tool (planning and execution of Experiment, Interpretation of the Results, Report writing and viva voce)
	Indirect Attainment	Course Exit Survey

Computation of Overall CO attainment in the Course: 80 % of Direct CO attainment + 20 % of Indirect CO attainment			
Project		Direct Attainment (external assessment 80% weightage and 20% internal assessment)	Assessment Tool (Project execution and Presentation, Viva-Voce and Report writing)

Description of Attainment Level for Direct Assessment		
Assessment Methods	Attainment Levels	
Internal assessment surprise + Quiz + Assignment+ Mid sem	Level 1	50 to 59% of the students secure 70 % or more marks
	Level 2	60 to 69% of the students secure70% or more marks.
	Level 3	>=70% of the students secure 70% or more marks

External Assessment (End semester exam)	Level 1	50 to 59% of the students secure 50 % or more marks
	Level 2	60 to 69% of the students secure 50% or more marks
	Level 3	>=70% of the students secure 50% or more marks
Course exit survey measures the student responses on a 5-point scale (Poor (Rate-1), Average (Rate-2), Good (Rate-3), Very Good (Rate-4) and Excellent (Rate-5)		

Below Table shows the description of attainment level for Indirect assessment

Level	Description
Level 1	50 to 59% of the students have given poor or average in CO attainment
Level 2	60 to 69% of the students have given poor or average in CO attainment
Level 3	>=70% of the students have given poor or average in CO attainment

In case the required target is not achieved, the causes are identified corrective measures are taken in future years.

3.1.3 Record the attainment of Course Outcomes of all final year courses (2) Institute Marks : 2.00

Sl No	Subjects	Attainment Level
1	Engineering mathematics-I	1.94
2	Engineering chemistry	2.1
3	Basic electronics Engineering	2.13
4	Basics of Civil Engineering	2.2
5	Functional English	2.04
6	Programming for Problem Solving using C	2.22
7	Chemistry Lab	2.27
8	Basic Electronics Engg. Lab	2.33
9	Basic Civil Engineering Lab	2.27
10	Engineering Graphics & Design Lab	2.33
11	Programming for Problem Solving using C Lab	2.13
12	Functional English Lab	1.89
13	Engineering mathematics-II	1.94
14	Engineering physics	1.94
15	Basic Electrical Engineering	2
16	Basics of Mechanical Engineering	1.89
17	Programming for Problem Solving using 'Python'	2.1
18	Business Communication and life skills	2.22
19	Programming for problem solving using C	2.439
20	Business Communication and life skill	2.39
21	Physics Lab	2.49
22	Basic Electrical Engg. Lab	2.439
23	Basic Mechanical Engineering Lab	1.94
24	Workshop	1.94
25	Programming for Problem Solving using 'Python'	2

3.2 Attainment of Program Outcomes from first year courses (20) Total Marks 20.00

3.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10)

Institute Marks : 10.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Engine	3	1	0	0	0	3	0	3	0	3	0	3
Engine	3	1	0	0	0	3	0	3	0	1	0	3
Electr.	3.3	3.0	1	1.89	1.27	1	2.11	1.8	3.3	3	1.8	2.1
Civil E	3	2.7	3	3	1	3	1	3	3	3	3	3
Funct.	3	3.3	1	3	1	3	1	1	3	3	3	3
Progra	3	3.0	1	3	1	3	3	3	1	3	3	3
Physic	1	1	1	1	0	3	0	1.8	3.4	2.7	1	3
Basic I	3	3	3	3	3	3	3	1.8	2.1	1.8	3	1
Basic I	3	3	1	1	1	1	3	2.1	3.3	1.8	3	1
Engine	3	3	1	1	1	1	3	3.0	3.3	2.1	1	1
Progra	3	3.3	3.0	1.8	1.7	3	1.8	1	1	1	3	1.8
Funct.	3	3.0	1	3	1	1	3	3	3	3	3	3
Engine	3	3	1	3	1	1	1	1	3	3	3	3
Engine	3	3.0	1	3	1	3	3	1	3	3	3	3
Basic I	1.7	1.8	1	3	1	1.8	1	1.8	1	3	1.7	1.8
Progra	3	3.3	3.0	1.8	1.7	3	1.8	1	1	1	3	1.8
Busine	3	3.3	3.0	1.8	3	1.8	1	1	1	1	1.8	1.7
Chemi	1	1	3	3	3	3	3	1.8	1.8	3.0	1	1
Basic I	3	3	1	3	3	1	1	2.1	3.3	2.7	1	3
Basic I	1	1	1	1	1	1	3	3.0	2.7	3.0	1	3
Works	1	1	3	3	1	1	3	1.8	3.3	3.0	1	1

PO Attainment Level

PSOs Attainment:

Course	PSO1	PSO2	PSO3
Basic	2.2	1.2	2.1
Basic	2	1	2.2
Basic I	1.1	2	2
Basic I	2	1.2	2.2
Basic I	1.2	1.1	2.2
Basic I	2	1.2	2
Basic I	2	2.1	1
Basics	2	1.2	2.2
Busine	2.1	1.2	2
Chemi	2.2	1.1	2.1
Engine	1	2	2
Engine	2	2.2	2.2
Engine	1.2	2.2	2
Engine	2.2	2	1.2
Engine	2.1	1.2	2.1
nginee	2	2	1
Functi	2	2	2
Functi	1.2	2.2	2
Physic	2	1.2	2.1
Progra	2.1	1.2	1.2
Progra	1.2	2.1	1.2
Progra	1.2	2.1	2
Progra	1.2	2.1	1.7
Workst	2	1	1.2

PSO Attainment Level

Course	PO1	PO2	PO3
Direct Attainment	1.72	1.71	1.92
PSO Attainment	1.72	1.71	1.92

9.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10) Institute Marks : 10.00

1*Os Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.94	1.79	In the previous year the attainment level was 1.94. So that steps have been taken for doubt clearing classes, study tours, enabling an increase in attainment level. We are striving for better performance in future.
Action 1: Extra classes are arranged for doubt clearing. Action 2: Guest lecturer session are arranged in regular interval. Action 3: Software trainings were organized for I-nr year student			
PO 2 : Problem Analysis			
PO 2	1.97	2.02	In order to ensure the efficacy of the program, initiatives in the form of value added course & experiments etc, were taken to increase in the attainment level.
Action 1: Extra classes are arranged for doubt clearing. Action 2: Guest lecturer sessions are arranged in regular interval. Action 3: Remedial classes are organized. Action 4: More number of practical classes are arranged to increase the students analytical concept.			
PO 3 : Design/development of Solutions			
PO 3	1.99	1.4	Initiatives were taken in the form of value added courses, study tours, additional course to increase attainment level.
Action 1: Extra classes are arranged for students to practicing more problems. Action 2: Additional experiments & beyond syllabus problems were conducted regularly.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.94	1.99	In the previous year the attainment level was 1.94, so that steps have been take doubt clearing classes, mini project are given to students for enabling an increase in the attainment level.
Action 1: More number of complex problems is solved in classes. Action 2: Arranging different workshop for students.			
PO 5 : Modern Tool Usage			
PO 5	1.99	2.19	In the previous year the attainment level was 1.99, so that steps have been taken doubt clearing classes through ppt, enabling an increase in the attainment level.
Action 1: The institution has planned to purchase updated and modern equipment for the laboratories. The students are sent for industrial visits for a first hand knowledge and application of modern tools. Value added courses have been designed focusing on the usage of modern tools and equipment Action 2: Invited Lecture from Industry.			
PO 6 : The Engineer and Society			
PO 6	1.91	1.49	In the previous year the attainment level was 1.9, so that steps have been taken for students to join in IETE, IEEE & etc, enabling an increase in the attainment level.
The institution has started classes on Universal Human Values as designed by the JJCTE so as to sensitize the students about their relationship with the society. The students are encouraged to participate various social and extension activities through NSS, YRC and other internal student bodies.			
PO 7 : Environment and Sustainability			
PO 7	1.99	1.44	In the previous year the attainment level was 1.99, so that initiative were taken I workshops, seminars, additional experiments, enabling an increase in the attainmen
Action 1: Regular workshops are conducted with the involvement of students regarding development of renewable source of energy. Action 2: Seminars were conducted			
PO 8 : Ethics			
PO 8	1.79	2.1	Target Level Achieved.
The institution has started classes on Universal Human Values as designed by the JJCTE so as to inculcate moral and ethical values in the students. Seminars and workshops are arranged by inviting distinguished personalities from Human Life Center, The Art of Living, Sarsang Kendras, etc. Professional Ethics has been taught to the students as a non credited course to the students in higher semesters.			

PO 9 : Individual and Team Work

PO 9	1.29	1.99	Target Level Achieved.
Moreover, to improve the attain level students are provided with training on team work. Project and Entrepreneurship weeks are organised to improve the team work and fellow feeling among the students.			

PO 10 : Communication

PO 10	1.47	1.99	Target Level Achieved.
Action 1: Special communication classes are included in the timetable in which mock debate, group discussions, language labs etc. were carried out. Action 2: British English Certification (BEC) course is introduced in association with British council			

PO 11 : Project Management and Finance

PO 11	1.73	1.29	Target Level not Achieved.
Action 1: Regular workshops are conducted for better understanding how to do project work. Action 2: Students involved with minor live project.			

PO 12 : Life-long Learning

PO 12	1.93	1.91	Target Level not Achieved.
Action 1: Workshops are arranged for the practical implication of theoretical learning. Action 2: Guest lecturer sessions are arranged in regular interval.			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Professional Design & Construction Engineering Skill: Skill to apply the latest Design procedures for civil engineering structures by developing and applying the latest software. Construction being the heart of the infrastructural development, latest construction procedures is to be adopted using latest equipment and machineries.			
PSO 1	1.69	1.73	The students are now more familiar and specific in engineering knowledge and to gain some realistic idea. Much more improvement is there from last year.
Action 1: Extra classes are arranged for doubt clearing Action 2: Guest lecturer session are arranged in regular interval, Action3: Remedial classes are organized			
PSO 2 : Innovative Skill: An ability to explore new ideas in the field of Civil Engineering with the help of Development of high-quality technical knowledge through application of software and field observed data.			
PSO 2	1.29	1.71	Now students are little involved in research work with the basic knowledge of Civil Engineering.
Action 1: Workshops are arranged for more motivation so that students involvement will increase in research work. Action 2: Students are assign more minor project			
PSO 3 : Civil Engineering Entrepreneurships: Scope of Civil and Construction Engineering Entrepreneurships are huge and attractive. Students of having right attitude of being entrepreneurs are encouraged and they can avail Institutional Incubation cells and MSME Inspiration.			
PSO 3	2.01	1.91	Much more improvement from last year that students now more interested for ideas.
Arrangement of facilities like involving students with our software development team, Action 2: Guest lecturer sessions are arranged in regular interval to give basic knowledge			

9 STUDENT SUPPORT SYSTEMS (50) Total Marks 50.00

9.1 Mentoring system to help at individual level (2) Total Marks 2.00

Institute Marks : 0.00

The Student-Teacher Mentoring Program pairs faculty with students for personalized academic and career guidance throughout their studies. Mentors offer advice on coursework, projects, and internships, while maintaining student progress records. This program fosters strong student-teacher relationships and improved academic performance. Together, these practices ensure students receive a comprehensive education, faculty are actively engaged in research, and personalized support leads to better student outcomes. The overall result is a well-rounded academic environment that prepares students for real-world challenges while fostering continuous professional development for faculty.

Goal

- To help identify career paths for students and support students personal growth.
- To provide an opportunity for students to learn and practice professional networking skills.
- To equip students with the understanding and tools to make ethical and informed decisions.
- To shape students into confident graduates with excellent leadership, communication, critical thinking, professionalism and other skills important to the transition to the world of work.
- To help students identify and pursue opportunities for employment related to their degrees.
- To provide a framework by which a student can judge the success of his/her learning and assist self-reflection and self-assessment.
- To use achievement standards, learning intentions and success criteria as the main focus of the teaching and learning plan.
- To identify the focus for ongoing teaching, learning and assessment.
- To determine specific strategies to support preferred learning styles, environments or modes, thinking skills, personality traits, and previous experiences.
- To provide students with timely, specific and corrective feedback so that they are able to evaluate their own progress and identify future learning goals.
- To provide comments on student progress to enrich reporting information to parents.
- To plan ongoing communication strategies with parents about student progress
- To understand his/her professional and ethical responsibility.

The Practice

The Institution adopts all possible steps to improve the student teacher mentoring system in the Institution.

- Each faculty is the mentor of maximum 20 students.
- Frequency of the Meeting: Once in a week as per regular time table.
- Mentors are trustworthy, approachable, supportive, empathetic, positive, non-judgmental and good listeners.
- The mentor is a local guide, educational companion and agent of change for the student.
- Mentors have the skills to observe and provide constructive feedback.
- The mentors continuously monitor, counsel, guide and motivate in all academic matters.
- They help in choice of electives, project, summer training etc.
- Contact parents/guardians if needed, for academic irregularities, negative demeanour, detrimental activities etc.
- Advise students in career choices.
- Keep in touch even after their graduation.
- Suggest the HODs for administrative action.
- Maintain a detail progressive record of the student.
- Maintain a record of all discussions with students.
- The HODs Meet all mentors of his/her department at least once a month to review the proper implementation of the system.
- The Controller of Academics keeps a daily record of the mentorship proceedings and places it before the Academic Council on a monthly basis.
- The Academic council of the Institution after proper examination of the records places it before the Principal with necessary suggestions for the effectiveness of the programme.
- The Principal forwards the proposal to the IQAC for necessary discussions and implementation.

Outcome: Both students and parents are able to become aware of and realize each other 'needs and problems and make efforts to overcome them. So students are able to focus on academics. Skill based- Mentoring is provided by assigned faculty to guide students to enroll for additional courses and help them to develop skills and behaviors necessary to succeed professionally.

Type of Mentoring : Professional guidance/ Career advancement/ Course work specific/Lab specific/Total Development

Number of faculty mentors : 09 Faculty per Section

Number of students : 20 Nos. of students per mentor

Frequency of Meeting : Weekly

The Institute adopts proctorial system of interaction with the students for an overall development such as professional guidance, career advancement, etc. In the system each mentor is allotted with 20 students and they meet at least once in a week to share their problems and suggestions. The administrative department is involved in solving the infrastructural problems of the students. The parents are also being taken into confidence are being informed regarding the continuous improvement of their wards.

9.2 Feedback analysis and reward /corrective measures taken, if any (10) Total Marks 10.00

Institute Marks : 10.00

Feedback collected for all courses: YES

Who collects the feedback: Dean, Academics

When feedback is collected: One month after commencement and one month before completion of the Semester

Percentage of students participating: On the day who are present i.e. Approx: 90% of the students.

Process:

The Academic Council of the Institution has set a bench mark of 70% as satisfactory level of feedback and is revised as per need. The sample feedback format is furnished below. The Institution collects the feedback of individual faculty members twice in a semester through the office of the Dean, Academics. The mode of collecting feedback is through on line (e-Feedback system) to ensure transparency in the system. The data collected from the feedback is thoroughly analyzed by the Dean, Academics and is kept for discussion in the Academic Council of the Institution. After thorough scrutinization and discussion, the Academic Council advises the Departmental Academic Committee to take remedial measures for the faculty members who have achieved less than 70% feedback for further improvement. As a first step, the Department Academic Committee recommends the concerned faculty members to undergo Faculty Development Programme. As a second step for improvement the concerned faculty members are advised to accompany the senior faculty members to the class and take note about the quality of teaching and delivery mode. They are also advised to observe the teaching methodology of senior faculty members to achieve better skills. The faculty member acquiring the highest feedback will be recommended for an advanced increment along with the annual increment. He/She is also encouraged with a letter of appreciation from the head of the Institution. The parameters of feedback are determined below.

Corrective Measures:

Year	No. of faculty members acquiring less than 70%feedback	Corrective action taken
2020-21	01	Counselling by DUC
2020-22	01	Counselling by DUC
2021-22	01	Counselling by DUC

Feedback Format:

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Department of Mechanical Engineering
Course Exit Survey – Engineering Mechanics

Dear Student,

Thank you for participating in this Course Exit Survey for Engineering Mechanics. Your feedback is essential for us to improve the teaching and learning experience. Kindly take a few minutes to complete this survey. Your responses will remain confidential and will be used for academic enhancement purposes.

Section A: General Information

1. Name (Optional): _____
2. Roll Number (Optional): _____
3. Semester: _____
4. Course Instructor: _____
5. Academic Year: _____

Section B: Course Outcomes (COs) Assessment

Please rate how well the course has helped you achieve the following outcomes on a scale of 1 to 5, where 1 = Poor and 5 = Excellent.

Sl. No.	Course Outcomes (COs)	1	2	3	4	5
1	To analyze the forces and moments developed in structural members using the principle of equilibrium.	☐	☐	☐	☐	☐
2	To introduce the techniques for analyzing internal member forces acting on trusses and frames.	☐	☐	☐	☐	☐
3	To solve basic problems on centroid, moments of inertia, and the principle of virtual work.	☐	☐	☐	☐	☐
4	To apply Newtons law, D'Alembert's Principle for rectilinear and curvilinear motion.	☐	☐	☐	☐	☐
5	To apply the Kinematics of rotation, Equation of motion of a Rotating rigid body.	☐	☐	☐	☐	☐

Section C: Course Effectiveness

Please rate the following aspects of the course on a scale of 1 to 5, where 1 = Poor and 5 = Excellent.

Sl. No.	Course Attributes	1	2	3	4	5
1	Clarity of course objectives and learning outcomes	☐	☐	☐	☐	☐
2	Effectiveness of teaching methodology	☐	☐	☐	☐	☐
3	Availability and usefulness of course materials	☐	☐	☐	☐	☐
4	Relevance of course content to practical applications	☐	☐	☐	☐	☐
5	Effectiveness of lab/tutorial sessions (if applicable)	☐	☐	☐	☐	☐
6	Use of real-world examples and problem-solving approaches	☐	☐	☐	☐	☐
7	Opportunities for interaction and doubt clarification	☐	☐	☐	☐	☐

Section D: Suggestions for Improvement

1. What did you like the most about the Engineering Mechanics course?

2. What improvements would you suggest for the course content, teaching methods, or assessment techniques?

3. Would you recommend any additional topics to be covered in future offerings of this course?

4. Any additional comments:

Thank you for your time and valuable feedback! Your input will help us improve the quality of education.

Course Instructor
Department of Mechanical Engineering
GITA Autonomous College, Bhubaneswar

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Department of Mechanical Engineering
Program Exit Survey – B.Tech in Mechanical Engineering

Dear Graduating Student,

Congratulations on successfully completing your B.Tech in Mechanical Engineering! As you prepare for the next phase of your journey, we seek your valuable feedback to assess and enhance the quality of our program. Kindly take a few minutes to complete this survey. Your responses will remain confidential and will be used solely for academic improvement purposes.

Section A: General Information

1. Name (Optional): _____
2. Roll Number (Optional): _____
3. Year of Graduation: _____
4. Email (Optional): _____
5. Future Plans (Tick all that apply):

(Higher Studies/Employment/Entrepreneurship/Research and Development/Government PSU Job/Civil Services/Defence Services/Study Abroad)

Section B: Program Educational Objectives (PEOs)

Please rate how well the program has helped you achieve the following objectives on a scale of 1 to 5, where 1 = Poor and 5 = Excellent.

Sl. No.	Program Educational Objectives	1	2	3	4	5
1		☐	☐	☐	☐	☐
2		☐	☐	☐	☐	☐
3		☐	☐	☐	☐	☐
4		☐	☐	☐	☐	☐
5		☐	☐	☐	☐	☐

Section C: Program Outcomes (POs)

Sl. No.	Program Outcomes (POs)	1	2	3	4	5

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	☐	☐	☐	☐	☐
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	☐	☐	☐	☐	☐
3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations.	☐	☐	☐	☐	☐
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	☐	☐	☐	☐	☐
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	☐	☐	☐	☐	☐
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	☐	☐	☐	☐	☐
7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	☐	☐	☐	☐	☐
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	☐	☐	☐	☐	☐
9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	☐	☐	☐	☐	☐
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large.	☐	☐	☐	☐	☐
11	Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work.	☐	☐	☐	☐	☐
12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning.	☐	☐	☐	☐	☐

Section D: Program Specific Outcomes (PSOs)

Sl. No.	Program Specific Outcomes (PSOs)	1	2	3	4	5
1		☐	☐	☐	☐	☐
2		☐	☐	☐	☐	☐
3		☐	☐	☐	☐	☐

Section C: Suggestions for Improvement

1. What did you like the most about the B.Tech Mechanical Engineering program?

2. What improvements would you suggest for the curriculum, labs, or faculty support?

3. Would you be interested in staying connected as an alumnus for mentorship, networking, or events?

4. Any additional comments:

Thank you for your time and valuable feedback! We wish you great success in your future endeavors.

Head of the Department
Department of Mechanical Engineering
GITA Autonomous College, Bhubaneswar

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Students Feedback Form

Dear Student,

Your feedback is valuable in enhancing the quality of teaching and learning. Please take a few minutes to fill out this form sincerely. Your responses will remain confidential.

Section A: General Information

1. Name (Optional): _____
2. Roll Number (Optional): _____
3. Semester: _____
4. Course Name: _____
5. Course Instructor: _____
6. Academic Year: _____

Section B: Course and Instructor Evaluation

Please rate the following aspects on a scale of 1 to 5, where: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very Good, 5 = Excellent

Sl. No.	Evaluation Criteria	1	2	3	4	5
1	Clarity of course objectives and learning outcomes	☐	☐	☐	☐	☐
2	Effectiveness of teaching methodology	☐	☐	☐	☐	☐
3	Instructors knowledge and command over the subject	☐	☐	☐	☐	☐
4	Ability to explain concepts with clarity	☐	☐	☐	☐	☐
5	Encouragement of student participation and discussion	☐	☐	☐	☐	☐
6	Use of real-world examples and applications	☐	☐	☐	☐	☐
7	Availability of course materials (notes, references, etc.)	☐	☐	☐	☐	☐
8	Effectiveness of assignments and evaluations	☐	☐	☐	☐	☐
9	Approachability and support from the instructor	☐	☐	☐	☐	☐
10	Overall effectiveness of the course	☐	☐	☐	☐	☐

Section C: Suggestions for Improvement

1. What did you like the most about this course?

2. What improvements would you suggest for the course content or teaching methods?

3. Would you recommend any additional topics or resources for future students?

4. Any other comments or feedback:

Thank you for your valuable feedback! Your input will help us improve the quality of education.

Dean (Academics)
GITA Autonomous College, Bhubaneswar

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Alumni Feedback Form for Assessment of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs)

Dear Alumnus/Alumna,

We highly value your feedback as it helps us assess and improve the quality of our academic programs. Kindly take a few minutes to fill out this form to evaluate the Program Outcomes (POs), and Program Specific Outcomes (PSOs) you have achieved during your study at GITA Autonomous College, Bhubaneswar. Your responses will be kept confidential and used solely for academic improvement.

Name: _____
Batch (Year of Graduation): _____
Program Studied (B.Tech/M.Tech/MBA etc.): _____
Current Organization & Designation: _____
Email ID: _____
Contact Number: _____

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your experience at GITA Autonomous College, Bhubaneswar using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Outcome (PO)	Rating (1 to 3)
1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.	
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.	
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and environmental considerations.	
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret data.	
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.	
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant to engineering.	
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable context.	
8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.	
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.	
10.	Communication: Ability to communicate effectively in professional and social contexts.	
11.	Project Management and Finance: Understanding of management and financial principles and their application in engineering projects.	
12.	Life-long Learning: Recognition of the need for and the ability to engage in independent and lifelong learning.	

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program Specific Outcomes (PSOs) based on your experience at GITU Autonomous College, Bhubaneswar using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Specific Outcome (PSO)	Rating (1 to 3)
1.		
2.		
3.		

Assessment of Program Educational Objectives (PEOs)

Please rate the following Program Educational Objectives (PEOs) based on your experience at GITU Autonomous College, Bhubaneswar using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Educational Objectives (PEO)	Rating (1 to 3)
1.	Core Knowledge: Graduates will have a strong foundation in mathematics, science, and engineering principles to solve mechanical engineering problems.	
2.	Professional Skills: Graduates will possess technical and managerial skills to analyze, design, and implement solutions in mechanical and interdisciplinary engineering domains.	
3.	Adaptability & Lifelong Learning: Graduates will engage in continuous learning and adapt to evolving technologies through higher education, professional development, and certifications.	
4.	Ethical and Social Responsibility: Graduates will uphold ethical values and contribute responsibly to society and environmental sustainability.	
5.	Leadership & Teamwork: Graduates will demonstrate leadership, teamwork, and effective communication skills in professional and social settings.	

Additional Feedback

1. How has your education at GITU Autonomous College, Bhubaneswar contributed to your professional growth?

2. What improvements would you suggest in the curriculum to better prepare future graduates?

3. Would you be willing to contribute to guest lectures, mentorship, or industry collaborations? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us improve and enhance the learning experience for future students.

Signature: _____
Date: _____

GITU Autonomous College, Bhubaneswar

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Employer Feedback Form for Assessment of Program Outcomes (POs) and Program-Specific Outcomes (PSOs)

Dear Employer,

We sincerely appreciate your time in providing valuable feedback regarding our graduates employed in your organization. Your insights will help us assess and enhance the quality of our academic programs. Kindly take a few minutes to complete this form. Your responses will be kept confidential and used solely for academic improvement.

Name of the Organization: _____
Employer's Name & Designation: _____
Contact Number: _____
Email ID: _____
Number of GITA Autonomous College Graduates Employed in Your Organization: _____

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your experience with our graduates, using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Outcome (PO)	Rating (1 to 3)
1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.	
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.	
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and environmental considerations.	
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret data.	
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.	
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant to engineering.	
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable context.	
8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.	
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.	
10.	Communication: Ability to communicate effectively in professional and social contexts.	
11.	Project Management and Finance: Understanding of management and financial principles and their application in engineering projects.	

12.	Life-long Learning: Recognition of the need for and the ability to engage in independent and lifelong learning.	

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program-Specific Outcomes (PSOs) based on your experience with our graduates, using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Specific Outcome (PSO)	Rating (1 to 3)
1.		
2.		
3.		

Additional Feedback

1. How well do our graduates meet your expectations in terms of technical and professional skills?

2. What improvements would you suggest in our curriculum to better align with industry requirements?

3. Would you be interested in collaborating with us for guest lectures, internships, or industry projects? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us enhance the learning experience for future graduates.

Signature: _____
Date: _____

GITA Autonomous College, Bhubaneswar

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Parents Feedback Form for Assessment of Program Outcomes (POs) and Program-Specific Outcomes (PSOs)

Dear Parent/Guardian,

Your valuable feedback is crucial in assessing and improving the quality of our academic programs. Kindly take a few minutes to fill out this form to help us evaluate the Program Outcomes (POs) and Program-Specific Outcomes (PSOs) of our students. Your responses will be kept confidential and used solely for academic enhancement.

Student's Name: _____
Year of Study (e.g., 1st, 2nd, 3rd, 4th): _____
Parent/Guardian Name: _____
Contact Number: _____
Email ID: _____

Assessment of Program Outcomes (POs)

Please rate the following Program Outcomes (POs) based on your observations of your child's academic and professional growth at GITI Autonomous College, Bhubaneswar using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Outcome (PO)	Rating (1 to 3)
1.	Engineering Knowledge: Application of mathematics, science, and engineering fundamentals to solve complex problems.	
2.	Problem Analysis: Ability to identify, formulate, and analyze engineering problems.	
3.	Design/Development of Solutions: Ability to design solutions for complex engineering problems that meet societal and environmental considerations.	
4.	Conduct Investigations of Complex Problems: Use of research-based knowledge and methods to analyze and interpret data.	
5.	Modern Tool Usage: Ability to use modern engineering and IT tools for complex engineering activities.	
6.	The Engineer and Society: Application of knowledge to assess societal, health, safety, legal, and cultural issues relevant to engineering.	
7.	Environment and Sustainability: Understanding the impact of engineering solutions in a global and sustainable context.	
8.	Ethics: Application of ethical principles and commitment to professional ethics and responsibilities.	
9.	Individual and Team Work: Ability to function effectively as an individual and in diverse teams.	
10.	Communication: Ability to communicate effectively in professional and social contexts.	
11.	Project Management and Finance: Understanding of management and financial principles and their application in engineering projects.	
12.	Life-long Learning: Recognition of the need for and the ability to engage in independent and lifelong learning.	

Assessment of Program Specific Outcomes (PSOs)

Please rate the following Program Specific Outcomes (PSOs) based on your observations of your child's academic and professional growth at GITI Autonomous College, Bhubaneswar using the scale below:

(3 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Program Specific Outcome (PSO)	Rating (1 to 3)
1.		
2.		
3.		

Additional Feedback

1. How do you perceive the impact of our academic programs on your child's personal and professional development?

2. What improvements would you suggest in our curriculum to better prepare students for their careers?

3. Would you be interested in participating in parent-college interaction programs? (Yes/No)
4. Any other suggestions/comments:

Thank you for your valuable feedback! Your insights will help us improve the learning experience for our students.

Signature: _____
Date: _____

GITI Autonomous College, Bhubaneswar

9.3 Feedback on facilities (2) Total Marks: 2.00

Institute Marks : 0.00

The Institution collects feedback from the existing students regarding teaching quality and other facilities available in the college. The feedback is collected once in a semester by the Dean Academics and after thorough discussion in the FeedbackCommitee of the Institution it is forwarded to the concerned departments for improvement with necessary corrective measures.

For instance, if the feedback obtained from existing students about the facilities of transportation, the Commitee minutely discusses the problems and finds out suitable corrective measures which are sent to the Transport Manager of the Institution forImmediate Implementation.

GITA Autonomous College, Bhubaneswar

(Affiliated to BPUT, Odisha, Approved by AICTE, Accredited by NAAC)

Students Satisfaction Survey (SSS)

Dear Student,

Your feedback is valuable in assessing the quality of education and facilities provided in the institution. Kindly take a few minutes to complete this survey. Your responses will be kept confidential and used for academic improvement.

Student Name (Optional): _____
Batch (Year of Graduation): _____
Email ID: _____

Section 1: Teaching-Learning and Academic Environment

Please rate the following aspects on a scale of 1 to 5:

(5 - Excellent, 4 - Very Good, 3 - Good, 2 - Satisfactory, 1 - Needs Improvement)

Sl. No.	Parameters	Rating (1 to 5)
1.	The syllabus is well-structured and relevant to the industry.	
2.	The faculty members are knowledgeable and provide effective teaching.	
3.	Course materials, resources, and references are adequate and useful.	
4.	Availability of faculty members for guidance and mentoring.	
5.	Effectiveness of practical sessions and laboratory facilities.	
6.	Exposure to latest technologies, tools, and programming languages.	
7.	Encouragement for research, innovation, and project-based learning.	
8.	Use of modern teaching aids (Smart Classrooms, ICT tools, etc.).	
9.	Opportunities for industrial training, internships, and workshops.	
10.	Quality of assessments and fairness of grading.	

Section 2: Infrastructure and Learning Resources

Sl. No.	Parameters	Rating (1 to 5)
1.	Availability and accessibility of library resources (books, e-resources, etc.).	

2.	Functionality and accessibility of computing facilities and laboratories.	
3.	Internet and Wi-Fi availability for academic purposes.	
4.	Classroom environment, seating, lighting, and overall cleanliness.	
5.	Sports, extracurricular activities, and recreational facilities.	

Section 3: Career Readiness and Placement Support

Sl. No.	Parameters	Rating (1 to 5)
1.	Effectiveness of placement and career guidance programs.	
2.	Industry collaborations, MoUs, and expert lectures.	
3.	Opportunities for higher studies and competitive exam preparation.	
4.	Alumni interactions and networking support.	
5.	Entrepreneurship and startup encouragement.	

Section 4: Overall Satisfaction and Suggestions

1. How satisfied are you with the overall learning experience at GITI Autonomous College? (1 to 5) _____

2. What do you like the most about the program?

3. What improvements would you suggest for better learning outcomes?

4. Any additional comments or feedback:

Thank you for your valuable feedback! Your responses will help us improve the quality of education and enhance the student experience.

Signature: _____
Date: _____

GITI Autonomous College, Bhubaneswar

9.1 Self-Learning (5) Total Marks: 5.00

Institute Marks : 0.00

Self-Learning

- Library facility available beyond working hours.
- Recorded video lectures of IITs and Reputed university experts through NPTEL and Coursera. Videos are stored in the systems of our department.
- Students are encouraged to study from MOOCs platform such as NPTEL, Swayam, Coursera etc.
- If a student completes 20 credits from the selected subjects earmarked from NPTEL courses during his four year studies, he will be awarded B. Tech. with Honours.
- Similarly, If a student completes 20 credits from the selected subjects of any other stream of engineering earmarked from NPTEL courses during his four year studies, he will be awarded B. Tech. with Minor in that stream.
- Opportunity to do mini projects during the course has been encouraged.
- Learning and implementing concepts beyond the syllabus based on students' interest has been greatly encouraged.
- Adapting to industrial needs through in-plant training.
- Acquiring managerial skills and information through symposiums conducted annually.
- Participation in activities through Professional bodies and R&D cell.
- Availability of the centralized computer facility with Internet even beyond class working hours.

The above facilities have enabled the overall development of our students which is seen with respect to improved placements, University ranks, participation and success in both curricular and co-curricular activities.

9.3 Career Guidance, Training, Placement (10) Total Marks 10.00

Institute Marks : 10.00

Career Guidance:

- Communication received from reputed institutions with respect to higher studies, campus placements, industry interaction with respect to training / internship/ placements is periodically communicated to the students. Circulars are issued and also details are displayed in department and placement notice boards in addition to dissipation of information through website.
- Counselling is given with respect to higher studies and students are given guidance to excel in GATE, GRE, GMAT etc. by giving them permission and encouragement.
- BEC courses in collaboration with British Council.
- Infosys campus connect program is conducted, since last 13 years.
- In house GATE coaching class is conducted for each batch of students.
- In house aptitude building courses (Quantitative Aptitude and Reasoning) are imparted to the students from the beginning of first semester.
- In house programming skill improvement courses (Java, Python, C, etc) are imparted to the students from the beginning of first semester.

Training:

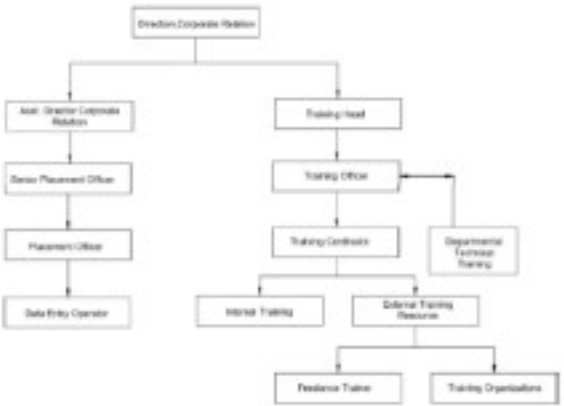
The Training and Placement Department of the Institution provides all the facilities to the students for career guidance, training, placement and entrepreneurship. The Department has two air conditioned rooms for group discussion practice, five air conditioned chambers for conducting mock personal interviews and an air conditioned auditorium for holding seminars and talks by eminent personalities. The Training department arranges resource persons for providing professional and industrial training for the students. The Placement department contacts and meets various companies and industries and convinces them for interaction with the students. The organizational chart of the department is given below with the responsibility of the designated office bearers. The Training is imparted to the students in three levels and due to effective training provision the employability index of the students is increasing consistently year after year.

- Pre-placement training is achieved in the early stages itself by including aptitude as a separate subject in the time table itself.
- With respect to specific training, a well-qualified outside agency is selected and training is imparted over a period of 60 hours covering various aspects such as quantitative ability, reasoning ability, verbal ability, group discussions, personal interview, resume writing, general aptitude test, HR mentoring, soft skills, shortcuts to company questions, company specific training, online test and evaluation.

Placement Activities:

- We have full-fledged Placement cell, which monitors the employment opportunities and arranges campus interviews for the final year students.
- We also have MOUs with reputed companies for placement.
- Our Campus recruitment program starts by the beginning of the Pre-Final semester.
- The On Campus recruitment program keeps continuing till the end of their final semester.
- We have off campus placement through a few select Institutes/ universities.
- The effectiveness of the training program is analyzed by the feedback collected from each and every student and the continuous improvement in the placement record.

Organizational structure of training and placement cell



Infrastructure of Training & Placement Cell of GITA

SI.No	Room No	Area	Other Facilities	Remarks
1	Placement Room – 1	60Sq.Mtr.	A.C G.D.TablesandChairs	Used for conducting GDPractice and tests duringCampusPlacement Drives
2	Placement Room – 2	55 Sq.Mtr	A.C G.D.TablesandChairs	Used for conducting GDPractice and tests duringCampusPlacement Drives
3	PlacementOffice	3x.30Sq.Mtr.	A.C Sitting ArrangementforOfficers	UsedforskingofOfficers
4	TrainingRoom	100Sq.Mtr.	A.C, LCD Projector,Audio-visualUnit	Used for providing training(Softskill skill and technical) tostudents

5	Smart Room	108 Sq.Mtr	A.C. LCD Projector,Audio-visualUnit	Used for providing training/Softskill and technical) tosudents
6	Auditorium	350 sq. mtr	A.C. Audio-visual systemwith LCD Projector	Used for holding Seminars,Interaction with Industryprofessionals and PrePlacementTalksbyComp anies
7	Personal InterviewRooms(03)	20sq.mtrea ach	A/C, Interview Tablewith compact chairs	Used for conducing mockPersonal Interviews duringtraining and PI duringCampusPlacement Drives
8	Pantry	40 sq. mtr	A.C. Dining Hall	Used for Providing guestsrefood during meetings andCampus Placement Drives
9	Rest Room	20 sq. mtr	A.C. double bedded	Used for delegates to take restor the time of need duringCampus Placement Drives

Office bearers with responsibilities:

SLNo.	Designation	Responsibilities
1	Director,CorporateRelation	Heads the depm.takes decisions, monitorsactivities, reviews performance, recommends measures for improvement
2	Asst. Director Corporate	Meets companies, motivate and convince them for interaction,a nange campus placement drives
3	TrainingHead	Arranges resource persons for training, Imparts soft skilltraining
4	SeniorPlacementOfficer	Meets companies,motivate and convince them forinteraction,arrange campus placement drives
5	PlacementOfficer	Meets companies,motivate and convince them forinteraction,arrange campus placement drives
6	TrainingOfficer	Imparts soft skill training
7	TrainingCoordinator	Co-ordinates with resource persons,maintains official recordsof training

6	Data Entry Operator	Keeps all types of records,sends database of students tocompanies,helps in placement activities

The Director, Corporate Relations heads the Training and Placement Department controlling two individual wings under him. He is responsible for managing the department and taking all the decisions that are helpful for the students of the Institution. The Training Head arranges the resource persons from various fields to provide effective training to the students. He along with the training officers provide soft skill training to the students. The Training coordinator ordinates with the resource persons for engaging scheduled classes and maintains official records of training. The departmental technical training committee interacts with the Training Head to conduct technical training programmes and co ordinates with the Placement department to know about the breadth and depth of course material required for imparting effective training and also participates in technical training as and when required. The placement record of the Institution is persistently increasing year by year.




9.0 Entrepreneurship Cell Total Marks 2.00

Institute Marks : 0.00

EDP & IIPC Center, an autonomous non-profit body established in 2013, is sponsored by the widely acclaimed GITA Autonomous College, Bhubaneswar, the foremost technological institute in the outskirts of the city of Bhubaneswar in the state of Odisha. To pursue its mission, GITA Autonomous College, Bhubaneswar has sponsored eight faculty coordinators and sixteen student coordinators in a continuous cycle to work in tandem with the center.

The objectives of the Center are:

1. To inculcate an entrepreneurial culture into the minds of young engineering students.

2. To conduct Entrepreneurship Awareness Camps (EAC); Entrepreneurship Development Programmes (EDP); Faculty Development Programmes (FDP) and Skill Development Programmes (SDP).

3. To assist the students to initiate a start up of their own in the form of Product Identification; Market Survey and Tools for Market Research; Preparation of Project Reports; and assist them in getting Technical Feasibility Report.

4. To provide Consultancy and Research Support.

One of the satisfying achievements, however, was conducting Entrepreneurship Awareness Camps for every student pursuing B. Tech from their second year; wherein the first appreciation of entrepreneurship as an alternative but more prudent career for graduate engineers is inculcated in their minds. The Center also helps the students seeking employment to display a spirit of enterprise and ownership during their job interviews and subsequently in their job careers.

MISSION:

To become a catalyst and a prime mover in facilitating emergence of competent first generation entrepreneurs from among the graduating engineers through entrepreneurship education, training, research and institution building.

OBJECTS:

1. Entrepreneurship is a vital tool that facilitates inclusive growth of society.

2. Entrepreneurship education, training and counselling can hasten the emergence of progressive entrepreneurship.

3. Entrepreneurship encourages youth to seek innovation and challenges thus leading to optimal utilization of resources and wealth creation.

4. Increased incidents of entrepreneurship are an indicator of national economic growth.

5. The nation can be placed on a high growth trajectory by unleashing its enormous growth potential through an entrepreneurship culture.

LIST OF ACTIVITIES OF EDP AND IIP CELL:

Sl No.	Date	Activity/Function/Competitions/Venue	Participants/Audience	Speaker/Resource Person	Photos
1	12TO 2021	Selection and Interview of aspirant E-leaders for current session	Students of 2nd year & 3rd year. Around 40 students for different areas of events were selected	Prof. N.P Patro	

2	28th Oct 2021	Quiz and Poster Designing Competition.	All together 23 students Participated including both the category	Prof. N.P Panu and all the E- leaders	
3	5th Jan 2022	Promotion work for EDC programme in upcoming months	All E-leaders	Prof. N.P panu Prof. K.K. Mishra	
4	2nd Mar 2022	Confederation of Indian Industry(CII) session on "Doing business in Odisha" at Mayfair Conventional Hall	Five E-leaders of EDP & IPC Cells	Mr. D S RavindraRaju, Chairman CII Odisha Mr.Tapan Kumar Chand, Chairman & MD, NALCO ShriSanjay K Singh, IAS, MD & CEO of OCAC ShriSanjeev Chopra, secretary, Dept. of Industry & CMD, IPICOL Mr. Sanjay Patnaik, Vice Chairman CII, Odisha	
5	11th March- 19th March 2022	Entrepreneurship Awareness Camp 2022 (EAC 1)	***3 B.tech students registered their names for the programme	Sri S.K. Parh, MSME Sri Gopal Ray, EDII, BBSR Mr.Damodar Mishra, NABARD Prof P.K. Mohanty, IMT. Mr.Dibyasingh Mishra, DIC	

6	16th Mar 2022	Industry visit for the EDC 1	All the participants of EDC 1 along with branch coordinator and some of the E-leaders	UNIGRAJ BISCUITS(P) LTD Parle Biscuits Chandaka, Near Silicon Engg College Bhubaneswar	
7	11th Apr 2022 to 14th Apr 2022	Entrepreneurship Awareness Camp 2022 (EDC 2)	60 Batch students participated in the programme. This is the valedictory session with issue of certificates of participation.	Chief Guest Sri C R Panalk Executive Director EDII Bhubaneswar Mr.Damodar Mishra, NABARD Sri Sangram Mohanty MSME Sri B P Panda, EDII Sri S K Rath, MSME Sri Gopal Ray, EDII, BBSR	
8	12th Apr 2022	Industry visit for the EDC 2	All the participants of EDC 2 along with branch coordinator and some of the E-leaders	Hindustan Coca Cola Beverages Pvt. Ltd. Mancheswar Industrial Estate, Bhubaneswar, Odisha 751007	
9	12th Aug 2022	Selection and Interview of aspirant E- leaders for current session	Students of 2nd year & 3rd year. Around 40 students for different areas of events were selected.	Prof. N.P Pano, Prof. (Dr.)K.K Mishra	
10	22nd October 2022	Quiz and Poster Designing Competition on the occasion of 3rd Anniversary of EDP & IPC Centre	All together 48 students Participated including both the category	Prof. N.P Pano and all the E- leaders	

11	19th Dec-30th Dec 2023	EDII Faculty Development Programme at Utkal University.	Prof Bidyadhar Rout, Asst Professor Economics Participated	10 days FDP in Entrepreneurship organised by EDII sponsored by NSTEDB	
12	23rd Jan 2023	Debate competition organised by the EDP & IIPC cell.	30 students Participated in the event.	Prof. N.P Rana, Prof. (Dr.)K.K Mishra Prof Bidyadhar Rout Prof. Subrat Khandai Prof. Surya Narayan Mohanty Prof. P K Mohanty	
13	3rd Feb 2023 to 6thFeb 2023	Entrepreneurship Awareness Camp 2019 (EAC 1)	65 B.tech students registered their names for the programme.	Prof Sarada Prasad, NEN Sri S.K. Rath, MSME Sri Gopal Ray, EDII, BBSR Mr.Damodar Mishra, NABARD Mr.DibyasinghMishra, DIC	
14	7th Feb 2023	Industry visit for the EAC 1	All the participants of EAC 1 along with branch coordinator and some of the E-leaders	In the campus of LINGARAJ BISCUITS(P) LTD/Parle Biscuits Chandaka, Near Silicon Engg College Bhubaneswar, after the Industry visit.	
15	22nd Mar 2023	Interactive session on Start ups at Mayfair Conventional Hall	Five E-leaders of EDP & IIPC Centre	Mr.RajanAnandan Vice President, Google, South East Asia	

16	28th Feb to 3rd March 2023	E-week 2023 in GITA Campus	12 groups participated in the competition and at of the end of the program all the participants gave the presentation regarding their business performance	Top performers in the competition were awarded with cash prize after the presentation.	
17	31th Mar 2023 to 2nd Apr 2023	Entrepreneurship Awareness Camp 2023 (EAC 2)	60 B.tech students registered their names for the programme	Sri S.K. Rath, MSME Sri Gopal Roy, EDII, BBSR MrDamodar Mishra, NABARD Prof P.K. Mohanty, GITA MrDibyasingh Mishra, DIC	
18	3rd Apr 2023	Industry visit for the EAC 2	All the participants of EAC 2 along with branch coordinator and some of the E-leaders	Photo Session with Sj S N Panda, Chairman, Joy Bharat Masala Group; after the Industry visit by the participants of the EAC.	
19	16th Aug 2023	Selection and Interview of aspirant E- leaders for current session	Students of 2nd year & 3rd year. Around 45 students for different areas of events were selected.	Prof. N.P Patro, Prof.(Dr.)K.K Mishra	

20	19th Oct 2023 to 21th Oct 2023	Entrepreneurship Awareness Camp 2023 (EAC 1)	96 B.Tech students registered their names for the programme	Mr. Dibyasingh Mishra, DIC Mr. Mahendra Jagasy, SIT. Mr. Damodar Mishra, Nabard Mr. B Panda, EDII, BBSR Mr. Gopal Roy, EDII, BBSR	
21	9th Nov 2023	Workshop on Entrepreneurship Development Skills	30 Students participated in workshop	Mr.Raman Das, IXORA Group, Prof. N.P Patra, Prof. (Dr.)K.K Mishra	
22	13th Dec to 23rd Dec 2023	EDII Faculty Development Programme at Utkal University.	Prof Sujit Khandai, Asst Professor Electrical Participated	10 days FDP in Entrepreneurship organised by EDII sponsored by NSTEDB	
23	3rd Jan 2024 to 19th Jan 2024	Faculty Development Program in Entrepreneurship 2024	73 faculties took part in the programme.	The FDP was conducted by EDP & IIPC Centre GITS, Bhubaneswar in association with EDII in the aegis of NSTEDB	

-	11th January 2024	Career Counselling organised by EDP &IIPC Centre.	300 students from allbranches took part in theprogramme.	The programmewascoordinated by Prof N.P Patra&Prof.Dr.ManojPradhan.	

9.7 Co-curricular and Extra-curricular Activities Total Marks 10.00

Institute Marks : 10.00

The Institution provides ample scope for the students to participate in social service activities through various societies. In view of imparting a sense of social responsibility and inculcating ethical values, the Institution has an NSS unit which helps the students for social interaction and the details of activities undertaken by the unit are given below. The unit has adopted the nearby villages for social activities. Besides NSS, the Institution also has several other societies for the students for co-curricular and extra-curricular activities. The Institute has a Literary Society that organizes various competitions such as essay, debate, quiz, creative writing and roplca of burning issues of current affairs with a social interest; a Science Society that organizes several projects involving the students and sends them to other venues to participate in science related competitions. The Cultural Society and the Athletic Society of the Institution help the students for an all round development in their personalities. The Cultural Society organizes the Annual Cultural Function in which the students of the Institution participate in cultural activities exposing their inherent skills and talents in from of a large number of spectators. The Athletic Society provides a great scope for the students of the Institution to prove themselves physically and for imbibing sportsman spirit in themselves. The students of the Institution achieved great success in various competitions organized in the Institution or outside. The details of the achievements is given below.

Achievements in Inter college sports meet (2023-24)

Sl. No	Place of participation	Date of Participation	Name of the Event	Team Participation	Achievements
1	Birla Global University, BBSR	18.02.24-20.02.24	Inter university sports meet	Cricket	Runners up trophy & cash
2	CET, BBSR	19/02/24-21/02/24	Engineers Cup- 2K24	Football	Champions Trophy & Cash
3	ITER, BBSR	23/02/24-29-02-24	Summer T-20 cup	Cricket	Champions Trophy & Cash
4	VSSUT, Burla	13/02/24-14/02/24	IUSM-2K24	Football	Runners up trophy & cash
5	NIST, Berhampur	04-03-2024 -07.03.2024	Inter college sports meet	volley	Runners up trophy & cash Prize
6	GITA, BBSR	04/02/24-29-02-24	ICNT-2K24	Basket ball	Champions Trophy & Cash
7	CEC, BBSR	29-02-24-11-03-24	ICSM 2024	Cricket	Champion's Trophy & Cash Prize.
8	CVRCE, BBSR	23/02/24-29/02/24	ICSM 2024	volley	Runners up trophy & Cash

Achievements in Inter college sports meet (2022-23)

Sl. No	Place of participation	Date of Participation	Name of the Event	Team Participation	Achievements

1	Birla Global University, BBSR	19.01.23-20.01-23	Inter university sports meet	Cricket	Runners up trophy & cash
2	CET, BBSR	19/03/23-21/03/23	Engineers Cup- 2K23	Football	Champions Trophy & Cash
3	RITE, BBSR	03/03/23-06-03-23	Summer T-20 cup	Cricket	Champions Trophy & Cash
4	VSSUT, Burla	12/03/23-14/03/23	IUSM-2K23	Volley	Runners up trophy & cash
5	IGIT, Saranga	09/03/23-12/03/23	III Odisha Sports Carnival UTSAHAN 2K23	Volley	Runners up trophy & Cash
6	IGIT, Saranga	09/03/23-12/03/23	III Odisha Sports Carnival UTSAHAN 2K23	Basket ball	Runners up trophy & Cash
7	NIST, Berhampur	04-03-2023 -07.03.2023	Inter college sports meet	Cricket	Runners up trophy & cash Prize
8	GITI, BBSR	04/03/23-06-03-23	ICNT-2K23	Cricket	Champions Trophy & Cash
9	CEC, BBSR	02-01-23-07-01-23	ICSM 2023	Football	Champion's Trophy & Cash Prize.
10	CVRCE, BBSR	29/03/23-29/03/23	ICSM 2023	Football	Runners up trophy & Cash

Achievements in Inter college sports meet (2021-22)

Sl. No	Place of participation	Date of Participation	Name of the Event	Team Participation	Achievements
1	Silicon Institute of Technology,BBSR	04-03-22 to 06-03-22	12th ICSM,2022	Volley Ball	Champion's Trophy & Cash prize
2	NIST, Berhampur	16-03-22 to 19-03-22	9th VALLIANT CUP-2K22	Volley Ball	Champion's Trophy & Cash prize
3	RITE, Bhubaneswar	21-03-22 to 23-03-22	ICSM 2022	Cricket	Runners up trophy & Cash prize

4	GITI, Bhubaneswar	17-03-22 to 19-03-22	Dr. MP Memorial ICNT-2K22	Cricket	Runners up trophy & Cash prize
5	Birla Global University, BBSR	27-03-22 to 29-03-22	ICSM 2022	Cricket	Runners up trophy & Cash prize
6	UEVP, Odisha	07/04/22-09/04/22	Inter college cricket tournament-2K22	Cricket	Runners up trophy & Cash prize
7	BPUT, Odisha	01/04/22-03/04/22	Pinku Memorial cricket tournament2K22	Cricket	Champions Trophy & Cash prize
8	CETBBSR	14/03/22-17-03/22	Engineers Cup-2K22	Volley ball	Runners up trophy & Cash prize
9	CUTM, BBSR	17-12-21-19-12-21	CITIUS-2K21	Cricket	Champion's Trophy & Cash prize
10	VSSUT, Burla	12/03/22-17/03/22	IUSM-2K22	Volley	Champions Trophy & Cash prize
11	TITE, BBSR	03/04/22-05/04/2022	Summer/T-20 cup	Cricket	Champions Trophy & Cash prize
12	CVRCE, BBSR	12/03/22-17/03/22	ICSM 2022	Football	Champions Trophy & Cash prize
13	CBC, BBSR	09-01-22-09-01-22	ICSM 2022	Football	Runners up trophy & Cash
14	UMS, BBSR	09-01-22-12-01-22	ICSM 2022	Basket Ball	Runners up trophy & Cash
15	Trident Academy of Technology	20-12-21-20-12-21	Inter college Sports meet-2K21	Cricket	Runners up trophy & Cash prize

Co-Curricular Activities:

(2023-24)

Sl. No.	Name of the Participants	Name of the Event	Month & Year	Achievement
1	SUSHUNKU SEKHAR PANDU	C-coding, GIET, BBSR	Aug, 2023	2nd
2	ARIJEET CHAKRU	Ship Building, GITI, BBSR	Jan, 2024	2nd
3	ROHIT PATEL	ROBO WAR, CVRCE University, BBSR	Oct, 2023	1st
4	ASHUTOSH MUNGARJU	Paper Presentation, GITI, BBSR	Jan, 2024	3rd

5	SHIVANI SHANKAR PANIGRAHI	INNOVIZION, GITU, BBSR	Jan, 2024	2nd
6	JACKSON LUGUN	CURT Design, KIIT University, BBSR	Nov, 2023	2nd
7	LOKESH PRASAD SINGH	Start Up India, CET, BBSR	Dec, 2023	2nd
8	SOUBHAGYA RANJAN JENA	ZIGMO, GIET, Gunupur	Jan, 2024	3rd
9	ADITYA KUMAR PATRA	Technical Paper Presentation, GIET, BBSR	Sept, 2023	3rd
10	ANKIT PRADHAN	C- Coding, KIIT University, BBSR	Aug, 2023	3rd
11	ASISH KUMAR NAYAK	Go-CURT, Trident, BBSR	Jan, 2024	2nd
12	DURGA MADHAB SAHOO	HACKATHON, SOA University	Sept, 2023	2nd
13	JATIN AMRESH KUMAR SAHOO	Project Fair, GITU, BBSR	Jan, 2024	1st
14	ARUNABHA MISHRA	Paper Presentation, GIFT, BBSR	Nov, 2023	2nd
15	BIDYUT PRADHAN	RMUS, CVRCE University, BBSR	Sept, 2023	3rd

(2023-24)

Sl. No.	Name of the Participants	Name of the Event	Month & Year	Achievement
1	BISWAJEET DAS	Panthaholom, CVRC University	Oct, 2023	2nd
2	ARYADIPTA NAYAK	Paper Presentation, CET, BBSR	Aug, 2023	2nd
3	DHRUV SINHA	CIRCUITRIX, Silicon, BBSR	Sept, 2023	3rd
4	SUDHANSHU SEKHAR BISWAL	HACKATHON, SOA University	Oct, 2023	3rd
5	MD SAIF	Technical Paper Presentation, KIIBB, BBSR	Dec, 2023	2nd
6	TOPHAN PRADHAN	ROBO WARRIOR, VSSUT, Burla	Jan, 2023	1st
7	RAJAN KUMAR KUSHWAHA	Project Fair, GITU, BBSR	Jan, 2023	1st
8	DIPENDRA KUMAR PANDEY	CAD Modelling, GIET, BBSR	Sept, 2023	2nd
9	BIKASH KUMAR NANDI	TECH QUIZ, GITU, BBSR	Oct, 2023	1st
10	MOHAMMED JOUIB JAWED	Ship Building, GITU, BBSR	Jan, 2023	1st
11	KAUSHAL KUMAR	Robotics Competition, GIET, Gunupur	Oct, 2023	2nd
12	SURESH KUMAR PRADHAN	Treasure Hunt, GITU, BBSR	Jan, 2023	1st
13	MAHESWAR SUNA	Paper Presentation, CET, BBSR	Jan, 2023	1st
14	JYOTIPRAKASH ROUT	C- Coding, KIIT, University	Oct, 2023	2nd

15	MISS NUSRAT JAHAN	HACKATHON CONDUCTED @ SIT, MGRU	Sept. 2020	1st

(2021-22)

Sl. No.	Name of the Participants	Name of the Event	Month & Year	Achievement
1	ABHISHEKH BALIARSINGH	Paper Presentation, GIET, BBSR	Aug, 2021	2nd
2	AFRIN BANO	Ship Building, GITU, BBSR	Jan, 2022	2nd
3	ABHIJIT TRIPATHY	Robotics Competition, GIET, BBSR	Oct, 2021	3rd
4	BISWAJEET PRADHAN	CAD Modelling, GIFT, BBSR	Jan, 2022	3rd
5	BHARATKRUSHNA SAMANTASINGHAR	HACKATHON, CET, BBSR	Nov, 2021	2nd
6	DINESH MALLICK	Paper Presentation, CET, BBSR	Nov, 2021	1st
7	GOUTAM PANDA	Robotics Competition, Silicon, BBSR	Dec, 2021	1st
8	MANISH KUMAR MAHTO	Treasure Hunt, GITU, BBSR	Jan, 2022	2nd
9	JAGAN KUMAR BAHU	Project Fair, GIET, Gunupur	Nov, 2021	3rd
10	MD SHEBBAH BADAN	Paper Presentation, GITU, BBSR	Oct, 2021	2nd
11	MOHIT MRIDUL	C- Coding, KIIT University, BBSR	Jan, 2022	3rd
12	HARSH RAJ	CAD Modelling, CVRCE University	Oct, 2021	2nd
13	PRAJNANA BASANA BEHERA	Technical Paper Presentation, GIFT, BBSR	Nov, 2021	1st
14	JITENDRA JENA	HACKATHON, SOA University	Dec, 2021	3rd
15	RASHABIR MAJHI	C- Coding, NIT, Rourkela	Sept, 2021	3rd
16	PRANAY GANGADHAR MOHANTY	Paper Presentation, GIET, BBSR	Jan, 2022	2nd
17	MD SHADAB RAZA	Bridge Building, GITU, BBSR	Jan, 2022	3rd
18	SUSHANKA SEKHAR PANDA	Modelling in CAD, Trident, BBSR	Oct, 2021	2nd

Cultural Activities:

Cultural activities are encouraged in the Institute and a group of faculty members guide, help and conduct activities such as Music, Dance and Drama. Inter departmental literary programmed is conducted every year. Students are actively participating in various Inter-university cultural events. Activities of this kind help the students to mould their personality. A Cultural Co-Ordinator is coordinating all the cultural activities. Annual Cultural festival organized every year. More than 50 Institutions from all over Odisha participated in these four days' event.

NSS/ Social Activities:

The Institution provides ample scope for the students to participate in social service activities through various societies. In view of imparting a sense of social responsibility and inculcating ethical values, the Institution has an NSS unit which helps the students for social interaction and the details of activities undertaken by the unit are given below. The unit has adopted the nearby villages for social activities. Besides NSS, the Institution also has several other societies for the students for co-curricular and extra-curricular activities. The Institute has a Literary Society that organizes various competitions such as essay, debate, quiz, creative writing and topics of burning issues of current affairs with a social interest; a Science Society that organizes several projects involving the students and sends them to other venues to participate in science related competitions. The Cultural Society and the Athletic Society of the Institution help the students for an all-round development in their personalities. The Cultural Society organizes the Annual Cultural Function in which the

students of the Institution participate in cultural activities exposing their inherent skills and talents in front of many spectators. The Athletic Society provides a great scope for the students of the Institution to prove themselves physically and for imbibing sportsman spirit in themselves. The students of the Institution achieved great success in various competitions organized in the Institution or outside. The details of the achievements is given below.

Sl. No.	Date	Program Name	Place	Nos. of Students Present
1	27.11.2023	Afforestation and Tree plantation	Chhatabara	60
2	09.12.2023	Literacy	Kalmala	60
3	03.01.2024	Programmed of Women & Child Care	Madangur	75
4	09.02.2024	AIDs Awareness	Raghunathpur	60
5	19.02.2024	Dental Camp	GITI, Cangua	99
6	23.02.2024	Anti-liquor Campaign	Jirisala, Hargur	150
7	09.03.2024	Blood Donation Camp	GITI, Cangua	100
8	23.03.2024	Afforestation and Tree plantation	Madangur	87
9	09.07.2023	Literacy	Raghunathpur	94
10	16.10.2023	Programmed of Women & Child Care	Bindhyagiri	75
11	17.09.2023	AIDs Awareness	Jirisala, Hargur	30
12	07.10.2023	Dental Camp	Jirisala, Hargur	99
13	09.09.2021	Anti-liquor Campaign	Kalmala	40
14	09.10.2021	Blood Donation Camp	Madangur	70
15	01.03.2023	Afforestation and Tree plantation	Raghunathpur	33
16	03.09.2021	Operation Cleaning	Badaraghunathpu r	33
17	01.11.2023	Programmed of Women & Child Care	Jirisala, Hargur	30
18	13.03.2023	AIDs Awareness	Raghunathpur	75
19	16.10.2023	Dental Camp	Jagasara	60
20	27.03.2023	AIDS awareness	Jamujhari	16

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120) Total Marks 120.00

10.1 Organization, Governance and Transparency (22) Total Marks 22.00

10.1.1 State the Vision and Mission of the Institute (2) Institute Marks : 2.00

Vision of Institute:

To foster prosperity through technological advancement by promoting education, innovation, and collaborative research, and to emerge as a globally renowned premier technical institution.

Mission of the Institute:

1. To impart high quality professional education to students worldwide, fostering innovation, technological advancement, discipline, effective communication skills, and strong moral values.
2. To provide a broad-based education that ensures the holistic development of students.
3. To leverage expertise in science, technology, and management to deliver comprehensive training in visualizing, synthesizing, and executing projects.
4. To nurture a spirit of entrepreneurship and innovation among students.
5. To undertake sponsored research and offer consultancy services to industrial, educational, and other relevant domains.
6. To promote healthy practices such as community service, outreach initiatives, and innovative projects for societal benefit.

10.1.2 Availability of the Institutional Strategic Plan and Its Effective Implementation and Monitoring (32) Institute Marks : 32.00

Strategic Goals and Objectives

Year 1: Strengthening Academic Framework

- Implement Outcome-Based Education (OBE) aligned with NBA requirements.
- Upgrade curriculum with emerging technologies like AI, IoT, and Blockchain.
- Enhance digital learning resources, including MOOCs and virtual labs.
- Establish a Faculty Development Program (FDP) to improve teaching methodologies.
- Implementation of NEP 2020

Year 2: Research and Innovation Enhancement

- Increase research funding and collaborations with reputed institutions.
- Establish a Center of Excellence in areas like Renewable Energy, AI & ML.
- Encourage faculty and students to publish in high-impact journals.
- Strengthen intellectual property (IP) and patent filing support.

Year 3: Industry-Academia Collaboration

- Develop industry-sponsored labs and collaborative projects.
- Establish internship and placement tie-ups with leading industries.
- Introduce mentorship programs with industry experts.
- Organize tech fests, hackathons, and international conferences.
- Establish Centre of Excellence in all departments.

Year 4: Infrastructure and Digital Transformation

- Develop smart classrooms with AI-enabled teaching tools.
- Upgrade research and innovation labs with advanced equipment.
- Implement a robust Learning Management System (LMS) for hybrid learning.
- Enhance campus sustainability with green initiatives and renewable energy sources.

Year 5: Institutional Growth and Global Outreach

- Pursue global collaborations with top universities and research organizations.
- Obtain international accreditations like JABET and QS Rankings.
- Expand interdisciplinary programs and dual-degree options.
- Strengthen alumni engagement for institutional growth and networking.
- Achieve Deemed to be University status.

Implementation Strategies

- Develop a phased implementation plan with clear milestones and timelines.
- Assign dedicated task forces for each strategic objective.
- Provide faculty and staff with training and resources for effective execution.
- Leverage technology and data analytics for real-time decision-making.
- Secure necessary funding through government grants and industry partnerships.

Monitoring and Evaluation

- Establish a Strategic Plan Implementation Committee for regular progress tracking.
- Conduct annual reviews and stakeholder feedback sessions.
- Align key performance indicators (KPIs) with accreditation and ranking frameworks.

- Utilize benchmarking with top institutions to assess performance improvements.
- Publish an annual strategic progress report for transparency and accountability.

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10) Institute Marks : 10.00

Governing Body

Meetings: Meetings of the Governing Body shall be held at least twice a year.

Functions of the Governing Body:

Subject to the existing provision in the bye-laws of respective college and rules laid down by the state government/parent university, the Governing Body shall:

- Guide the college while fulfilling the objectives for which the college has been granted autonomous status.
- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
- Approve new programmes of study leading to degrees and/or diplomas.
- All recruitments of Teaching Faculty/Principal shall be made by the Governing Body/state government as applicable in accordance with the policies laid down by the UGC and State Government from time to time.
- To approve annual budget of the college before submitting the same to the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college

1.	Dr. Satya Prakash Panda	Chairman, GGI, Odisha	Chairman
2.	Dr. Chandra Dhwaj Panda	Secretary, GGI, Odisha	Member
3.	Dr. Sitanchi Narayan Panda	Vice-Chairman, GITI Autonomous College, Bhubaneswar	Member
4.	Mrs. Basanta Manjari Panda	Trustee, VSST, Gunupur	Member
5.	Mrs. Pratima Panda	Trustee, VSST, Gunupur	Member
6.	Dr. L. N. Singh	Head, Department of Physics, Dean (R&C) and Director IQAC, Dr. B.R. Technological University, Maharashtra (UGC Nominee)	Member
7.	Dr. S.S. Pal	Vice Chancellor, VSSUT, Burla, (BPUT, Nominee)	Member
8.	Mr. S. K. Pradhan, OAS (SAG)	Addl. Secy. to Government, Department of Skill Development and Technical Education, Govt. of Odisha (State Govt. Nominee)	Member
9.	Sri. Mana Govind Mishra	Managing Director, Nemhare Solutions Pvt Ltd	Member
10.	Dr. Pradeep Kumar Rautray	Dean (Administration (Staff Representative)	Member
11.	Dr. Kishore Kumar Mishra	Dean (Academics (Staff Representative)	Member
12.	Dr. Manmatha Kumar Raul	Principal	Secretary

Academic Council

Meetings: Academic Council shall meet at least twice a year.

Functions of the Academic Council:

The Academic Council shall have powers to:

- Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programmes of study in the college keeping in view the policy of the Government.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body proposals for institution of new programmes of study.
- Recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.

- Perform such other functions as may be assigned by the Governing Body.

S.N	NAME	DESIGNATION	POSITION
1.	Prof. M.K. Rout	Principal	Chairman
2.	Prof. Srikanta Behera	Dean, SRIC, OUTR Bhubaneswar	Member
3.	Prof. Sujit Kumar Khuntia	Director CD, BPUT, Odisha, Rourkela	Member
4.	Dr. Nilamadhab Tripathy	Senior System Analyst, IBM	Member
5.	Prof. Jurobinda Rauray	Professor, Electrical Engineering Department, IIT, Kharagpur	Member
6.	Prof. S. K. Dash	Head, Dept. Of Mechanical Engineering, IIT, Kharagpur (W.B.)	Member
7.	Mr. Radhakanta Samantara	Vice-President, Infinite Computer Solutions, India	Member
8.	Dr. Srikant Patnaik	Director, IMT Bhubaneswar	Member
9.	Prof. Mrutyunjaya Panda	Associate Professor, Utkal University Bhubaneswar	Member
10.	Prof. R.K. Mishra	Retd. Professor Mechanical Engineering, VSSUT, Burla	Member
11.	Prof. S.C. Mishra	Retd. Principal, College of Engineering & Technology, Bhubaneswar	Member
12.	Prof. R.K. Rauray	Dean Admin.	Member
13.	Prof. N.P.Patro	PIC (EDP& IPC)	Member
14.	Prof. Smitarani Patro	Asso. Professor, Dept. S&H	Member
15.	Prof. T.R. Panigrahi	HoD CSE	Member
16.	Prof. P.K. Bal	HoD CSE-DS	Member
17.	Prof. Bijaylaxmi Panda	HoD CST	Member
18.	Prof. P.K. Giri	HoD CSIT	Member
19.	Prof. N.K. Kamila	HoD CSE-IJ	Member
20.	Prof. D.K. Nayak	HoD ECE	Member
21.	Prof. S.K. Dash	HoD EE	Member
22.	Prof. S.K. Swain	HoD EEE	Member
23.	Prof. M.K. Pradhan	HoD ME	Member
24.	Prof. Joygopal Jena	HoD CE	Member
25.	Prof. D.B. Mishra	HoD MCA	Member
26.	Prof. Janardan Dash	HoD MBA	Member
27.	Prof. S.P. Mishra	PIC (R&D)	Member

Board of studies:

Meetings: The Board of Studies shall meet at least twice a year.

Functions: The Board of Studies of a Department in the college shall:

- prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the Academic Council;
- suggest methodologies for innovative teaching and evaluation techniques;
- suggest panel of names to the Academic Council for appointment of examiners;
- and coordinate research, teaching, extension and other academic activities in the department/college.

DEPARTMENT OF CSIT

S.N	NAME	AFFILIATION	POSITION
1	Dr.Parimal Kumar Giri	Professor& Head, Dept. of CSIT	Convener
2	Prof. (Dr.) Sarojananda Mishra	Professor, Dept. of CSE, IGIT, Sarang	Member (Academia Expert)
3	Dr. Manas Ranjan Senapati	Asso. Professor, Head Dept. of IT, VSSUT, Burla	Member (Academia Expert)
4	Mr. BibekanandaBehera,	Senior Consultant, Technology Head (Azure Cloud Architect), Infosys, Bangalore	Member (Industry Expert)
5	Mr. Jadala Kumar Nayak,	Software Engineer, Motorola Solutions, Bangalore	Member (Alumni)
6	Prof. (Dr.) Ch Sanjeev Kumar Dash,	Professor, Dept. of CSE, SIT, Bhubaneswar	Member (BPUT Nominee)
7	Mr. Debasish Das,	Asst. Professor, Dept. of CSIT	Member
8	Mr. Chandrakant Mallick,	Asst. Professor, Dept. of CSIT	Member
9	Mr. Subha Ranjan Das	Asst. Professor, Dept. of CSIT	Member
10	Ms. Lopamudra Das	Asst. Professor, Dept. of CSIT	Member

DEPARTMENT OF ECE

S.N	NAME	AFFILIATION	POSITION
1	Prof.(Dr.) Dilip Kumar Nayak	Head, Dept of ECE	Chairman

2	Prof.(Dr.) Tapas Kumar Patra,	Dept. of Electronics and Instrumentation Engg., CUTR, Bhubaneswar	Member
3	Prof.(Dr.) Debasish Mishra,	Dept. of Electronics and Communication Engg., VSSUT Burla	Member
4	Prof. Prabodha Kumar Dalai	Asso. Professor, Dept. of ECE	Member
5	Prof.(Dr.) Sarita Misra	Asst. Professor, Dept. of ECE	Member
6	Prof. Prangya Paramita Pradhan	Asst. Professor, Dept. of ECE	Member
7	Prof. P.S. Das	Asst. Professor, Dept. of ECE	Member
8	Prof.(Dr.) Chandra Sekhar Mishra,	Asst. Professor, Dept. of ECE	Member
9	Prof. Sujit Khandai	Asst. Professor, Dept. of ECE	Member

DEPARTMENT OF EEE

S.N	NAME	AFFILIATION	POSITION
1	Dr. S.K. Sivain	HoD EEE,	Chairperson
2	Dr. Sribarsa Behera,	Professor, CUTR, BBSR.	Member (Academician)
3	Dr. P.C. Panda	Retd. Professor, NIT, Rourkela	Member Academician
4	Dr. D.P. Bagarthy	Asso. Professor, CUTR,	Member (University Representative)
5	Sr. Sukalyan Das	CEO, KRITTECH, Bhubaneswar	Member (Alumni)
6	Prof. S.K. Acharya	Asst. Professor, Dept. of EEE	Member
7	Prof. C.R. Behera	Asst. Professor, Dept. of EEE	Member(Convener)
8	Prof. S.N. Mohanty	Asst. Professor, Dept. of EEE	Member
9	Prof. S.K. Nayak	Asst. Professor, Dept. of EEE	Member
10	Prof. A. Das	Asst. Professor, Dept. of EEE	Member

Finance Committee:

Meetings: The Finance Committee shall meet at least once a year

Functions of the Finance Committee:

The Finance Committee shall act as an advisory body to the Governing Body, to consider:

- Budget estimates relating to the grant received/receivable from UGC, and Income from fees, etc. collected for the activities to undertake the scheme of autonomy; and
- Audited accounts for the above.

Sl.No.	Name	Designation	Position

1	Dr. M.K. Raul	Principal, GITI Juconomous College, Bhubaneswar	Chairman
2	Dr. P.K. Rautray	Dean (Administration (Nominated by Governing Body)	Member
3	Dr. Jaygopal Jena	HOD CE (Nominated by Principal)	Member
4	Smt. Smrutirekha Sahoo	Finance Officer of the Affiliating University	Member
5	Mr. R.R. Mishra,	Accounts Officer, GITI Juconomous College, Bhubaneswar	Member

Institution Advisory Committee:

The function of the committee is to advise the Institution and the Management through the Principal regarding the dynamic changes to be incorporated in the Institution for attaining its mission & vision considering the International, national and Industrial information along with the performance of the Institution. The committee recommends necessary addition or alteration of the teaching learning process, evaluation process & changes to be made in the existing PEOs &POs. The committee also advises about the future action for attaining better output. The committee meets in/ce in a year to discuss, evaluate and recommend changes, if necessary.

Sl.No.	Name	Designation	Position
1	Prof.(Dr.)M.K.Raul	Principal	Chairman&Convener
2	Prof.(Dr.)K.K.Mishra	Dean,Academics	Member
3	Prof.(Dr.)SaneshKumarPradhan	Professor &HOD ,Department of Comp. Sc &Application, UtkalUniversity	Member , External- Academic
4	SriNilamadhabaTripathy	SeniorSystemAnalyst,SAI	Member , External - Industry
5	Prof.(Dr.)S.K.Patra	Professor/HOD,ECE,NITRourkella	Member , External- Academic
6	Mr.NanaGovindaMishra	CEO,NEHMUNSolutionPvt. Ltd	Member , External - Industry
7	Prof.(Dr.)SomnathMishra	Retd. Principal, NITRourkela	Member , External- Academic
8	Mr.J.Bharacharya	DGM In charge, HODDesign,RSPRourkela	Member , External – Industry
9	Prof.(Dr.)AnirbindaRoumy	Professor,EE,IITKharagpur	Member , External- Academic

10	Dr.Nidhi Maher	CEO,UTechEnterprisesLtd	Member , External – Industry
11	Prof.(Dr.)D.P.Bagarty	Professor &HOD,EEDept.CET,Bhubaneswar	Member , External- Academic
12	Er.K.K.Mishra	Suptd.Engineer,CESCO	Member , External – Industry

Feedback Committee:

The committee looks in to the feedback collected from the Stake holders - Ongoing Students, Outgoing Students, Alumni, Employer Industries and Parents. Based on the feedback of the above stakeholders, the committee recommends necessary addition or alteration to the academic process, infrastructure, teacher quality, law & order environment, research facility, library & computing facility etc.

Sl.No.	Name	Designation	Position
1	Prof.(Dr.)M.K.Raul	Principal	Chairman
2	Prof.(Dr.)K.K.Mishra	Dean, Academics	Convener
3	Prof.(Dr.)P.K.Rautray	Dean, Administration	Member
4	Prof. M. K. Pradhan	H.O.D.,ME	Member
5	Prof.(Dr.)A.K.Das	H.O.D.,EE	Member
6	Prof.(Dr.)T.Panigrahi	H.O.D.,CSE	Member
7	Prof.(Dr.)A.K.Jchraya	H.O.D.,EEE	Member
8	Prof.(Dr.) D. K. Nayak	H.O.D.,ECE	Member
9	Prof.(Dr.) J. G. Jena	H.O.D.,CE	Member
10	Prof. (Dr.) S. P. Mohanty	H.O.D.,H&S	Member

Library Committee:

This committee looks in to the proper availability of text books, reference books, e-journals as per the requirement of the students in Central Library and also in the Departmental library. It also sees that the latest national/international magazines &journals are made available to the students & faculty members. On recommendation from all departments, R & D department, Training & Placement cell, Academic Council of the college, the committee fixes the working hours, up gradation of book &journal procurement, e-journal facility etc. The committee recommends regulted budget for the year/semester to the management through the Principal.

Sl.No.	Name	Designation	Position
1	Prof.(Dr.)M.K.Raul	Principal	Chairman
2	Prof.S.P.Mohanty	Prof.-In-Charge	Member
3	Dr.S.R.Hota	Librarian	Convener
4	Prof. C.K.Nayak	Representative, ME	Member

5	Prof. S. D. Pallayi	Representative, EE	Member
6	Prof. S. K. Nayak	Representative, EEE	Member
7	Prof. S. Mishra	Representative, CSE	Member
8	Prof. S. Pradhan	Representative, ECE	Member
9	Prof. R. S. Mishra	Representative, H&S	Member

Purchase Committee:

The function of the committee is to ensure that the allocated funds are properly utilized. The committee intimates the departments & committees (societies) regarding the allocation of funds. The committee periodically looks into the process ofprocurement& access the qualitative & quantitative aspect of procurement and also ensures proper documentation of purchase of materials, commissioning and functioning.

Sl.No.	Name	Designation	Position
1	Prof.(Dr.)M.K.Roul	Principal	Chairman
2	Prof.(Dr.)P.K.Rautray	Dean, Administration	Convener
3	Prof.(Dr.)K.K.Mishra	Dean, Academics	Member
4	Prof.(Dr.)M. K. Pradhan	Dean Research &Development	Member
5	Prof.(Dr.) S.C.Mohapatra	Dean,Student Welfare	Member

Research Committee

This section looks after the technical implementation of the creative aspect of students & faculty members. Moreover, this wing also initiates innovative thought process among the hobby societies of the students such as Robotics society. The Research& Development society takes initiative information of student's professional society; arranging advanced technical seminars, guest lectures and competitions. From end technology involvement & updating state of the art technology implementation is the sole responsibility of the Wing.

Sl.No.	Name	Designation	Position
1	Prof.(Dr.)M. K. Roul	Principal	Chairman
2	Prof.(Dr.) M. K. Pradhan	Dean , R & D	co-chairman
3	Dr.S.K.Dash	Professor	Member
4	Prof. Bijaya Panda	Professor	Member

General Procedure of Recruitment (Appointment Rules):

All posts at the Institute shall normally and, as far as possible, be filled by advertisement; but, the "GB" shall be the exclusive power to decide, either on its own or on the recommendations of the Director/Principal, that a particular post be filled by invitation or by promotion from amongst the members of the staff of the Institute.

All appointments on the staff of the Institute shall be made only by the "GB" of the Institute, through its Chairman or authorized by the "GB".

Appointments, with or without grades, in the Institute will be created on Ad-hoc, Temporary, Regular and Permanent basis by the "GB" as per the requirement of actual manpower, from time to time. The manpower requirement shall be ascertained on the basis of the desirable norms prescribed by AICTE or the appropriate authority from time to time. Additional posts may also be created, as required, for the execution of specific projects and or research and development activities.

The appointment of the Director/Principal and all other teaching faculty members shall be made by the "GB" through its Chairman after ratification of his/her appointment by the selection committee constituted in accordance with the provisions of the affiliating university for the purpose. However, pending approval of their appointment by the selection committee, the Chairman "GB" may, at his discretion, appoint the Director/Principal and or members of the teaching faculty on a temporary basis, on such terms and conditions he deems fit.

All other appointments shall be made directly by the Chairman of the "GB" on the recommendation of the Director/Principal. The Chairman of the "GB" reserves the exclusive right however, to accept or not accept, any or all the recommendations made by the Director/Principal in respect of any appointment.

The selection committee will judge the suitability of all the candidates for the position concerned. Letters of confirmation in service shall only be issued by the Chairman "GB" to the Director/Principal and members of the teaching faculty after their selection has been approved by the duly constituted selection committee.

Every appointment, whatever temporary, probationary, contractual or permanent is subject to a „Certificate of Fitness" issued by a registered medical practitioner approved by the Director/Principal. This condition may, however, only be relaxed by the Chairman "GB" at his discretion, in special cases.

Every appointment whether ad-hoc, temporary, contractual or part time will be made for a specific tenure and all such appointments shall become invalid from the date specified in their appointment letter/contract. Such appointments, may however, be extended, subject to a written confirmation of such extension by the Chairman "GB" only, for such period(s) as he may deem fit, failing which, no extension shall be considered valid and binding on the Institute.

Candidates selected for interview for a post under the Institute may be paid such traveling allowance as may be determined by the "GB" from time to time in this behalf.

Every appointment made at the Institute shall be reported to the "GB" at its next meeting.

Career Advancement Scheme (CAS):

□ *Lecturer to Lecturer Senior Scale:*

First Class M.Tech. and B.Tech. Degrees (or equivalent) in appropriate branch of Engineering with minimum two years good quality teaching experience.

For the faculty in MCA & MBA Departments, AICTE norms shall be followed.

□ *Lecturer (SG) to Lecturer Selection Grade:*

Lecturer (SG) with First Class M.Tech. and B.Tech. Degrees in appropriate branch of Engineering with minimum four years of good quality teaching experience as lecturer (SG), is eligible for promotion to Lecturer selection grade.

For the faculty in MCA & MBA Departments, AICTE norms shall be followed.

□ *Promotion) to Assistant Professor:*

Lecturer (SG/SS) with First Class M.Tech. and B.Tech. Degrees and Ph.D. degree in relevant branch of Engineering with minimum five years of good quality teaching experience in an Engineering Institute as lecturer/lecturer (SS)/lecturer(SG) is eligible for promotion to Assistant Professor.

A lecturer (selection grade) shall be designated as Assistant Professor on acquiring Ph.D. degree in relevant branch of Engineering.

For promotion to Assistant Professor, a full time Ph.D. shall be deemed to have 3 years experience.

For the faculty in MCA Department & MBA, AICTE norms shall be followed

□ *Assistant Professor to Professor:***

The candidate (1) must have a Ph.D. (Engineering) degree with a First Class M.Tech. degree in the appropriate branch of engineering/technology; (2) must be an Assistant Professor having at least 10 years of teaching experience out of which 3 years must be as an Assistant Professor (3) must have at least 400 research merit points or equivalent research/academic work to his/her credit.

For the faculty in MCA & MBA Departments, AICTE norms shall be followed

** A faculty member serving as Assistant Professor may be considered for promotion to the post of Associate Professor if the faculty (1) possesses a Ph.D. (Engineering) degree with a First Class M.Tech. degree in the appropriate branch of engineering/technology; (2)is serving as an Assistant Professor having at least 8 years of teaching experience out of which 3 years must be as an Assistant Professor(3) has at least 300 research merit points or equivalent research/academic work to his/her credit.

10.1.4 Decentralization in working and grievance redressal mechanism (2) Institute Marks : 2.00

Decentralization and delegation of Power:

The Dean Administration looks after the financial requirement for day to day activities of the Institution. The Governing Body of the Institution has authorized the Principal to approve an amount of Rupees Two Lakh per month. This amount is spent for the overall management and maintenance of the Institution. In addition, all the HODs of engineering departments are authorized to draw an impressed amount of Rupees One Lakh per month to meet the petty expenditure of the department. The HOD of each department proposes the programme wise annual expenditure in the form of a detail financial requirement. The annual budget of each department is recommended by the Principal to the Governing Body for approval after a thorough discussion. The Governing Body approves the budget in consultation with the Academic Council of the Institution. The budget is approved by the Management one month prior to the commencement of the academic session so that the amount can be utilized as per the requirement to help the students for effective attainment of the programme objectives. All the purchases by the department are to be carried out as per the approval of the purchase committee of the Institution. The impressed amount provided to the HODs is utilized for the emergency requirements like purchase of lab consumables and any other petty purchases. The account statement of such purchases is submitted to the Principal every month. If the impressed amount is consumed, the HODs are authorized to draw rupees ten thousand for the next month in consultation with the Principal. If the expenditure goes beyond the impressed amount, the proposal is to be approved by the competent authority.

Key Positions with Responsibilities:

Sl.No.	NAME	DESIGNATION	RESPONSIBILITIES
1	Prof. (Dr.) M. K. Raul	Principal	Overall management of Academic and Administrative affairs
2	Prof. (Dr.) K. K. Mishra	Dean, Academics & Controller of Examinations	Feedback Committee, Exam. Committee, Time Table Committee, IQAC
3	Prof.(Dr.) Sarat Chandra Mahagana	Dean, S. W	Disciplinary Committee, Athletic Committee, Cultural Committee, Student & Staff Welfare, Ethical Committee, Grievance Cell
4	Prof. (Dr.) M. K. Pradhan	Dean, R&D.	Research Activities, Internal & External R&D, EDP Cell
5	Prof. (Dr.) Cdr Pradeep Kumar Rauray	Dean, Admin , Placement Head& Head, Grievances Redressal Cell	Budget Committee, Purchase Committee, Training & Placement Cell, HR Department, Grievance Redressal Cell
6	Prof. (Dr) N. P. Patro	Director, IQAC	Overall Quality assessment and development of the Institution.
7	Prof.(Dr.) J. S. Dehury	Warden, Boys' Hostels	Administration and Management of Boys' Hostels
8	Prof. (Dr.) Smitarani Patro,	Chairperson, Women Cell	Women Cell and Grievances related to women students and employees.

9	Prof. Priya Paul	Warden of Girls' Hostels	Administration of Girls' Hostels

Women's Grievance Cell:

This committee specifically looks in to the Grievances & betterment of the Women (girl students & Women employees). This committee guarantees the safety & proper facility & gender equality for women inside the campus. The staff & students can complain to this committee regarding their grievances & the committee will ensure proper remedial action.

S.N.	NAME	DESIGNATION	POSITION
1	PROF. (DR.) M.K. ROUL	PRINCIPAL	CHAIRMAN
2	PROF. (DR.) SMITARANI PATRO	ASSO. PROF. (BS & H)	CONVENOR
3	PROF. SUBHADRA PRADHAN	ASST. PROF. (ECE)	MEMBER
4	PROF.(DR.) SUSMITA DASH	ASST. PROF. (ME)	MEMBER
5	PROF. ANURADHA MOHANTA	ASST. PROF. (CSE)	MEMBER
6	PROF. (DR.) CHANDRIKA BAMAL	ASST. PROF. (ME)	MEMBER
7	PROF. PRIYADARSINI PRADHAN	ASST. PROF. (EE)	MEMBER

Grievance Redressal Committee

S.N	NAME	DESIGNATION	POSITION
1	PROF. (DR.) M.K. ROUL	PRINCIPAL	CHAIRMAN
2	PROF. (DR.) SMITARANI PATRO	ASSO. PROF. (BS&H)	CONVENOR
3	PROF. (DR.) PARIMAL GIRI	PROFESSOR & HEAD (CST)	MEMBER
4	PROF. (DR.) K.K. MISHRA	DEAN ACADEMICS	MEMBER
5	PROF. (DR) SUSHMITA DASH	ASSO. PROF. (ME)	MEMBER
6	PROF. ANURADHA MOHANTA	ASST. PROF. (CSE)	MEMBER
7	MS. MEENATI MAHARANA	ASST. (EXAM SEC)	MEMBER
8	PROF. P.K. DALAI	ASST. PROF. (ECE)	MEMBER
9	PROF. BIMOSH BAHOO	ASST. PROF. (CE)	MEMBER
10	PROF. (DR.) BHUNTANU KUMAR BISWAL	ASST. PROF. (BS&H)	MEMBER
11	PROF. PRIYADARSINI PRADHAN	ASST. PROF. (EE)	MEMBER
12	PROF. ASHOK KUMAR PRADHAN	ASST. PROF. (ME)	MEMBER

SC/ST grievance Committee

S.N	NAME	DESIGNATION	POSITION
1	PROF. (DR.) M.K. ROUL	PRINCIPAL	CHAIRMAN

3	PROF. (DR.) M.K. PRADHAN	PROFESSOR & HEAD (ME)	CONVENER
3	MR. P.K. DASH	ASST. ADMINISTRATIVE OFFICER	MEMBER
4	PROF. (DR.) KEDAR MAHAPATRA	ASSO. PROF. (S&H)	MEMBER
5	PROF. AMIT SINGH DEHURY	ASST. PROF. (ME)	MEMBER
6	PROF. RABI NARAYAN ROUT	ASST. PROF. (EE)	MEMBER
7	PROF. CHITARANJAN BEHERA	ASST. PROF. (EEE)	MEMBER
8.	MR. BIBHUTI BHOI	LIB. ASST. (ME)	MEMBER

Student Grievance Redressal Committee (CGSRC)

SN	NAME	DESIGNATION	POSITION
1.	PROF. (DR.) M.K. ROUL	PRINCIPAL	CHAIRPERSON
2.	PROF. (DR.) M.K. PRADHAN	DEAN (R&D) & HoD ME	CONVENOR-MEMBER
3.	CDR. (DR.) P.K. PAUTRAY	DEAN ADMIN.	MEMBER
4.	PROF. (DR.) K.K. MISHRA	DEAN ACADEMICS	MEMBER
5.	PROF. (DR.) N.R. PATRO	DIRECTOR, IQAC	MEMBER

6.	PROF. (DR.) T.P. PANIGRAHI	HoD, CSE	MEMBER
7.	PROF. (DR.) D.K.NAYAK	HoD, ECE	MEMBER
8.	PROF. (DR.) DEEPTIBALA MISHRA	HoD, MCA	MEMBER
9.	PROF. (DR.) KEDAR MOHAPATRA	1st Yr. Coordinator	MEMBER
10.	PROF. AMIT SINGH DEHURY	Warden of Boys' Hostels	MEMBER
11.	PROF. SHIFA SHAMI	Warden of Girls' Hostels	MEMBER
12.	PROF. SHARMILA PATNAIK	Asst. Professor, MBA	MEMBER
13.	Respective HoD of Involved students	HoDs	MEMBER
14.	Respective Proctors of the Involved student.	Proctors	MEMBER

ANTI-RAGGING COMMITTEE (2024-25)

S. N	Name	Designation	Position
1.	Prof. M.K. Paul	Principal	Chairman
2.	Sri Bijaya Kumar Barik	Inspector-In-Charge: Info Valley, Chhatabar, Bhubaneswar	Member
3.	Sri Nilu Mahajana, OAS (I)	Tahasildar, Jarli	Member
4.	Mr. Pramod Kumar Samantaray	Local Media, The Samaj	Member

5.	Cdr. P.K. Raunay	Dean Admin	Member
6.	Prof. S.K. Panigrahi	CoE	Member
7.	Prof. M.K. Pradhan	HoD, ME & Convener Anti-ragging Squad	Convener
8.	Prof. N.P. Patro	PIC (EDP & IPC) & Coordinator IQAC	Member
9.	Prof. B.P. Mishra	PIC (R&D)	Member
10.	Prof. K.K. Mishra	Dean Academics	Member
11.	Prof. T.P. Panigrahi	HoD, CSE	Member
12.	Prof. P.K. Sai	HoD, CSE (AI & AIML)	Member
13.	Prof. P.K. Giri	HoD, CST	Member
14.	Prof. Bijayalaxmi Panda	HoD, CST	Member
15.	Prof. D.K. Nayak	HoD, ECE	Member
16.	Prof. S.K. Dash	HoD, EE	Member
17.	Prof. S.K. Swain	HoD, EEE	Member
18.	Prof. Joygopal Jena	HoD, CE	Member
19.	Prof. D.B. Mishra	HoD, MCA	Member
20.	Prof. P.K. Sahoo	HoD, MBA	Member
21.	Prof. Amit Singh Dehury	Warden of Hostels (Boys)	Member
22.	Prof. Shifa Shamil	Warden of Hostels (Girls)	Member
23.	Mr. Sushanta Upadhyaya	PARENT REPRESENTATIVE	Member
24.	Mr. Ajay Kumar Sahoo		Member
25.	Akanksha Biswal,CSE, 2nd yr	STUDENT REPRESENTATIVE (SENIOR)	Member
26.	Krishna Mohanty,CSDS,2nd yr		Member
27.	Anahuja Mohanty, ME, 2nd yr.		Member
28.	Harish Kumar Sahoo, CST	STUDENT REPRESENTATIVE (FRESHER)	Member
29.	Sagarika Upadhyaya, CSE (AI)		Member
30.	Arman Raut, CSE		Member

10.1.2 Delegation of financial powers (2) Institute Marks : 2.00

The Dean Administration looks after the financial requirement for day to day activities of the Institution. The Governing Body of the Institution has authorized the Principal to approve an amount of Rupees Two Lakh per month. This amount is open for the overall management and maintenance of the Institution. In addition, all the HODs of engineering departments are authorized to draw an Impressed amount of Rupees One Lakh per month to meet the petty expenditure of the department. The HOD of each department proposes the programme wise annual expenditure in the form of a detail financial requirement. The annual budget of each department is recommended by the Principal to the Governing Body for approval after a thorough discussion. The Governing Body approves the budget in consultation with the Academic Council of the Institution. The budget is approved by the Management one month prior to the commencement of the academic session so that the amount can be utilized as per the requirement to help the students for effective attainment of the programme objectives. All the purchases by the department are to be carried out as per the approval of the purchase committee of the Institution. The Impressed amount provided to the HODs is utilized for the emergency requirements like purchase of lab consumables and any other petty purchases. The account statement of such purchases is submitted to the Principal every month. If the Impressed amount is consumed, the HODs are authorized to draw rupees ten thousand for the next month in consultation with the Principal. If the expenditure goes beyond the Impressed amount, the proposal is to be approved by the competent authority.

Finance Committee:

Meetings: The Finance Committee shall meet at least twice a year

Functions of the Finance Committee:

The Finance Committee shall act as an advisory body to the Governing Body, to consider:

- Budget estimates relating to the grant received/receivable from UGC, and Income from fees, etc. collected for the activities to undertake the scheme of autonomy; and
- Audited accounts for the above.

Sl.No.	Name	Designation	Position
1	Dr. M.K. Rout	Principal, GITI Autonomous College, Bhubaneswar	Chairman
2	Dr. P.K. Rautray	Dean Administration (Nominated by Governing Body)	Member
3	Dr. Jaygopal Jena	HOD CE (Nominated by Principal)	Member
4	Smt. Smrutirekha Sahoo	Finance Officer of the Affiliating University	Member
5	Mr. R.R. Mishra,	Accounts Officer, GITI Autonomous College, Bhubaneswar	Member

10.1.3 Transparency and availability of correct/unambiguous information in public domain (2) Institute Marks : 2.00

The Institution has provided all the necessary information in the website www.giti.edu.in (http://www.giti.edu.in/) owned by the Institution. All the information provided in the website is in accordance with the Right to Information Act, 2005. The Institution also has an Information Cell headed by the Dean, Administration. The cell provides all the information at the time of need.

The audited Statement of account is displayed in the Institution website for the information of all the stakeholders.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (10) Total Marks 10.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2023-2024

Total Income: 810096013				Actual expenditure(till...): 671243681			Total No. Of Students 3134
Fee	Govt.	Grants	Other sources(specify): Interest, Exam	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
730007808	0	0	80088722	503494703	169008888	0	190803.21

Table 2 - CFYm1 2022-2023

Total Income: 732288884				Actual expenditure(till...): 749088066			Total No. Of Students 4712
Fee	Govt.	Grants	Other sources(specify): Interest, Exam	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
639800603	0	130199	78218023	588473494	160613680	0	158973.87

Table 3 - CFYm2 2021-2022

Total Income: 603234301				Actual expenditure(till...): 554068434			Total No. Of Students 4190
Fee	Govt.	Grants	Other sources(specify): Interest, Exam	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
528814209	0	4474984	70442088	416638634	137330800	0	132210.70

Table 4 - CFYm3 2020-2021

Total Income: 539580069				Actual expenditure(till...): 530780130			Total No. Of Students 3902
Fee	Govt.	Grants	Other sources(specify): Interest, Exam	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
495488433	3600000	300000	39874030	403077609	127712321	0	136022.87

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Infrastructure Built-Up	[illegible]	[illegible]	[illegible]	[illegible]	7200000	[illegible]	7000000	[illegible]
Library	1000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Laboratory equipment	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Laboratory consumables	[illegible]	[illegible]	7200000	[illegible]	7200000	[illegible]	7200000	[illegible]
Teaching and non-teaching staff	4700000	[illegible]	4000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Maintenance and spares	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4200000	[illegible]
R&D	[illegible]	[illegible]	[illegible]	[illegible]	4000000	[illegible]	4000000	[illegible]
Training and Travel	2000000	[illegible]	1200000	[illegible]	1200000	[illegible]	1200000	[illegible]
Miscellaneous Expenses*	2000000	[illegible]	[illegible]	[illegible]	2000000	[illegible]	1800000	[illegible]
Others, specify	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

10.2.1 Adequacy of budget allocation (5) Institute Marks : 5.00

The budget is prepared by the individual department as per their requirement and is submitted to the budget committee of the Institution for consideration. The HR department of the Institution also provides the budget for salary of both teaching and non teaching staff members. After a thorough discussion on the budget, the same is submitted before the Governing Body for approval. As the budget is prepared by the departments as per their requirements, it is evident that the budget allocation to meet the necessary expenditure is adequate.

10.2.2 Utilization of allocated funds (5) Institute Marks : 5.00

The HODs are responsible for utilization of the funds allocated to their departments. HODs prepare their plans for purchase, investments and activities and monitor the execution of the plans. The Principal reviews the funds utilization every month in HODs committee meetings. Utilization of allocated funds during the budget year is thus ensured.

10.2.3 Availability of the audited statements on the institute's website (5) Institute Marks : 5.00

The audit of the Institution is carried out by a distinguished chartered accountant every year and the audited statement is made available in the official website of the Institution.

10.3 Program Specific Budget Allocation, Utilization (30) Total Marks 30.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2023-2024

Total Budget: 14160000		Actual expenditure (till ...): 11995991		Total No. Of Students: 336
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1,05,50,000	36,10,000	86,88,950	30,79,611	33946.39

Table 2 :: CFYm1 2022-2023

Total Budget: 19400000		Actual expenditure (till ...): 19105900		Total No. Of Students: 349
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1,05,00,000	89,00,000	97,34,900	93,70,490	70712.05

Table 3 :: CFYm2 2021-2022

Total Budget: 9650000		Actual expenditure (till ...): 7071950		Total No. Of Students: 391
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
66,50,000	30,00,000	56,68,980	14,03,070	22196.73

Table 4 :: CFYm3 2020-2021

Total Budget: 9500000		Actual expenditure (till ...): 9900090		Total No. Of Students: 314
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
66,00,000	29,00,000	64,06,340	39,90,990	33916.76

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Laboratory equipment	1000000	6048700	1000000	6098600	6000000	2052600	6000000	6007700
Software	220000	240290	200000	486900	450000	430690	400000	399910
Laboratory consumable	110000	103991	100000	77990	700000	90640	700000	696200
Maintenance and spares	1300000	1103990	1000000	1190690	1100000	1090600	1000000	997450
R & D	2000000	1700000	7200000	7000000	1100000	150000	1100000	1100000

Training and Travel	200000	150000	100000	100000	100000	100000	100000	100000
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	11168000	11962881	19408000	19105200	9658000	7971830	9280000	9200290

10.3.1 Adequacy of budget allocation (10) Institute Marks : 10.00

The budget is prepared by the individual department as per their requirement and is submitted to the budget committee of the Institution for consideration. The HR department of the Institution also provides the budget for salary of both teaching and non teaching staff members. After a thorough discussion on the budget, the same is submitted before the Governing Body for approval. As the budget is prepared by the departments as per their requirements, it is evident that the budget allocation to meet the necessary expenditure is adequate.

10.3.2 Utilization of allocated funds (20) Institute Marks : 20.00

The HODs are responsible for utilization of the funds allocated to their departments. HODs prepare their plans for purchase, investments and activities and monitor the execution of the plans. The Principal reviews the funds utilization every month in HODs committee meetings. Utilization of allocated funds during the budget year is thus ensured.

10.4 Library and Internet (20) Total Marks 20.00

10.4.1 Quality of learning resources (handicraft) (10)

Institute Marks : 10.00

The relevance of available learning resources, including e-resources, is crucial in enhancing the quality of education, promoting self-directed learning, and improving accessibility.

1. Accessibility & Inclusivity

- E-resources enable students and educators to access learning materials anytime, anywhere.
- They support remote learning, bridging geographical and economic gaps.

2. Enhanced Teaching & Learning

- Digital tools such as online lectures, simulations, and interactive content make learning engaging and effective.
- Multimedia content supports diverse learning styles—visual, auditory, and kinesthetic.
- AI-driven platforms like ChatGPT, Meta AI, gemini, etc. assist in personalized learning and doubt resolution.

3. Cost-Effectiveness & Sustainability

- Many e-resources are open-access, reducing the cost of purchasing textbooks.
- Digital content minimizes paper usage, contributing to environmental sustainability.

4. Real-time Updates & Global Knowledge

- Unlike printed books, e-resources can be updated frequently, ensuring learners access the latest information.
- Online libraries, journals, and MOOCs provide exposure to global knowledge and expert insights.

5. Skill Development & Research Enhancement

- Platforms like Coursera and NPTEL help students gain industry-relevant skills.
- E-libraries and research databases (e.g., IEEE Xplore, Springer, and Science Direct) aid in academic research and innovation.

6. Assessment & Feedback

- Learning Management Systems (LMS) like Moodle, Google Classroom, and Blackboard enable better tracking of student progress.
- AI-powered assessment tools provide instant feedback, improving learning outcomes.

Accessibility of Learning Resources to Students:

Ensuring that learning resources, including e-resources, are accessible to all students is crucial for equitable education. The students of our institution are getting benefited from the learning resources in the following ways.

1. Anytime, Anywhere Learning

- E-resources like online textbooks, video lectures, and digital libraries enable students to learn beyond classroom hours.
- Mobile-friendly platforms and cloud-based access ensure flexibility for students who may not have personal computers.

2. Inclusive Education

- Assistive technologies such as screen readers, texto-speech tools, and captioned videos help students with disabilities.
- Multi-language resources enable students from diverse linguistic backgrounds to understand concepts better.

3. Cost-Effective Learning

- Open-access journals, free e-books, and MOOCs (e.g., NPTEL, SWAYAM, Coursera) reduce financial barriers.
- Digital libraries eliminate the need for costly physical books, making high-quality education more affordable.

4. Personalized & Self-Paced Learning

- AI-powered tools provide personalized recommendations based on a student's learning progress.
- Interactive platforms like ChatGPT, Gemini, Meta AI, etc. allow students to learn at their own pace.

5. Bridging the Digital Divide

- We ensure that the students have access to devices and internet connectivity.
- Digital literacy programs can help students effectively navigate and utilize online resources.

6. Institutional Support for Accessibility

- We provide LMS platforms that support diverse accessibility features.
- Faculty training on digital resource utilization are carried out to improve student engagement.

Supporting Students for Self-Learning Activities:

Encouraging self-learning is essential for fostering independent thinking, critical analysis, and lifelong learning skills among students. We support students in their self-learning journey in the following ways:

1. Providing Access to Diverse Learning Resources

- E-libraries & Digital Repositories: Platforms like NDL, IEEE Xplore, and ScienceDirect provide students with high-quality academic content.
- Open Educational Resources (OERs): Free courses on platforms like SWAYAM, Coursera, help students explore beyond their curriculum.
- Multimedia Learning: Video lectures, podcasts, and interactive simulations enhance understanding.

2. Implementing Learning Management Systems (LMS)

- LMS Platforms help students access course materials, assignments, and recorded lectures.
- AI-driven tools recommend personalized learning paths based on students' progress.

3. Encouraging Research & Project-Based Learning

- Research Support: We offer guidance on accessing journals, writing research papers, and presenting findings.
- Innovation Labs & Hackathons: We provide opportunities for hands-on learning through maker spaces, coding competitions, and case studies.

4. Faculty Mentorship & Peer Learning

- Mentorship Programs: Faculty guidance helps students navigate complex topics and projects.
- Discussion Forums: Online forums and peer study groups create collaborative learning environments.

5. Digital Literacy & Self-Learning Skills Development

- Conducting workshops on digital tools, search strategies, and critical evaluation of online content.
- Teaching students time management, goal-setting, and self-assessment techniques.

6. Assessment & Recognition of Self-Learning

- Students are encouraged to showcase self-learning projects through portfolios, competitions, and academic credits.
- Students are rewarded for self-initiated learning efforts with certifications, digital badges, or scholarships.

Library Profile

The Library at GITS Autonomous College, established in 2004, is a well-stocked and fully computerized resource centre that has steadily expanded to meet the academic and research needs of students and faculty. It offers an extensive collection of books, journals, and literature across various disciplines. The library is an institutional member of NDLI, INFLIBNET (E-ShodhSindhu), and DELNET, granting access to over 300 libraries across 20 states in India and five countries worldwide. Subscriptions to leading e-journal

databases such as Science Direct, IEEE Xplore, Springer, and NPTEL course materials provide students with diverse learning resources. Additionally, the Knimbus E-Library platform offers discovery services, universal search features, and off-campus access through mobile apps. Plagiarism detection services are also available through TURNITIN, promoting academic integrity. With these robust resources and digital services, the library plays a vital role in supporting academic excellence and research endeavours. The Library at GITJ is fully automated with KOHA software, streamlining cataloguing, circulation, acquisition, and OPAC services for seamless resource access and efficient management.

Sl. No.	Particulars	Quantity
1	Carpet Area	29994.2 Sqft.
2	Reading Room	1377.91 Sqft.
3	Reading Room strength	250
4	Total no. of Books (Titles including MBA & MCA)	9299
5	Total Number of Books (Volumes including MBA & MCA)	43970
6	Total no. of e-Journals	1921
7	Total No. of e-Books	10999
8	Total No. of Systems for e- Library	40
9	Total no. of Magazines	15
10	Total no. of News Paper	10

Library Services

1. Reference Services
2. Book Bank or Lending Library Service
3. Question Banks (Old Question Papers for References)
4. Overnight Borrowing Facilities for Faculties & Students
5. e-Library Facility
6. Photo Copying, Printing & Spiral Binding Facilities
7. Library Orientation Programme
8. Carrier Guidance & Counseling for Students

Library Best Practices

1. Library Automation or Computerization through LIBSYS
2. Web OPAC (Online Public Access Catalogue)
3. Display of New Arrivals
4. Receives Feedbacks
5. Best Library User Awards

Library Future Plan

1. Implementation of RFID Services
2. Developing Unique Information Centre for Career Development
3. Organizing Programmes on Online Information Literacy

10.1.2 Internet (10) Institute Marks : 10.00

Sl. No.	Particular	Description
1	Name of the Internet provider	Jio Tel, Wifi
2	Available bandwidth	1000 mbps
3	Wi Fi availability	Yes. Whole campus
4	Internet access in labs, classrooms, library and offices of all Departments	Yes
5	Cyber Security measures	Yes. Firewall protected
6	Access Speed	Very Good
7	Availability of Internet in an exclusive lab	Yes
8	Availability in most computing labs	Yes
9	Availability in departments and other units	Yes
10	Availability in faculty rooms	Yes
11	Institute's own Email facility to faculty/students	Yes
12	Security/ privacy to Email/ Internet users	Yes

Annexure I
(c) PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)
Program should specify 2-4 program specific outcomes.

PSO1	Professional Design & Construction Engineering Skill: Skill to apply the latest Design procedures for civil engineering structures by developing and applying the latest software. Construction being the heart of the infrastructural development, latest construction procedures to be adopted using latest equipment and machineries.
PSO2	Innovative Skill: An ability to explore new ideas in the field of Civil Engineering with the help of Development of high-quality technical knowledge through application of software and field observed data.
PSO3	Civil Engineering Entrepreneurship: Scope of Civil and Construction Engineering Entrepreneurship are huge and attractive. Students of having right attitude of being entrepreneurs are encouraged and they can avail Institutional incubation cells and MSME incubation.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the Institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the Institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, post-visit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr. Manmatha Kumar Roul
Designation : Principal
Signature :

Seal of The Institution :

Place : Bhubaneswar
Date : 04-03-2025 13:22:26