GIET AUTONOMOUS
At: Gobriguda, Po: Kharling, Gunupur, Dist: Rayagada, Odisha -765022

Annual Quality Assurance Report

(2018-2019)

Submitted to

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

National Assessment and Accreditation Council

An autonomous institution of the university Grants Commission
P.O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore-560072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

Gandhi Institute of Engineering and Technology (Autonomous)

1.2 Address Line 1

At- Gobriguda, Po: Kharling

Address Line 2

Gunupur, Dist: Rayagada

City/Town

Gunupur

State

Odisha

Pin Code

765022

Institution e-mail address

principal@giet.edu, deanggi@giet.edu

Contact Nos.

9437044170

Name of the Head of the Institution:

Prof. (Dr.) K. Senthil Kumar

Tel. No. with STD Code:

06857-251156

Mobile:

9437044170

Name of the IQAC Co-ordinator:

Dr. Subodh Panda

Mobile:

9437326277

IQAC e-mail address:

deanggi@giet.edu , principal@giet.edu

1.3 NAAC Track ID

ORCOGN 20623

1.4 NAAC Executive Committee No. & Date: EC (SC-5)/DO/2014/115 dated 03/03/2015

1.5 Website address:

www.giet.edu

Web-link of the AQAR:

www.giet.edu/**AQAR2015-16.pdf**

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.20	2008	2013
2	2nd Cycle	A	3.28	2015	2020
3	3rd Cycle	---	---	---	---
4	4th Cycle	---	---	---	---

1.7 Date of Establishment of IQAC	:	02/04/2009

1.8 AQAR for the year	:	2018 -19

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

AQAR of 2017-18 submitted to NAAC on date 30.03.2018.

1.10 Institutional Status

University   State ☐   Central ☐   Deemed ☐   Private ☑

Affiliated College   Yes ☐   No ☐

Constituent College   Yes ☐   No ☐

Autonomous college of UGC   Yes ☑   No ☐

Regulatory Agency approved Institution   Yes ☑   No ☐   (AICTE)

Type of Institution   Co-education ☑   Men ☐   Women ☐

     Urban ☐   Rural ☑   Tribal ☑

Financial Status   Grant-in-aid ☐   UGC 2(f) ☑   UGC 12B ☐

     Grant-in-aid + Self Financing ☐   Totally Self-financing ☑

1.11 Type of Faculty/Programme

Arts ☐   Science ☐   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering ☑   Health Science ☐   Management ☐

Others   (Specify)   [.]

1.12 Name of the Affiliating University *(for the Colleges)*   Biju Pattnaik University of Technology, Rourkela

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	☑		
University with Potential for Excellence		UGC-CPE	
DST Star Scheme		UGC-CE	
UGC-Special Assistance Programme		DST-FIST	

UGC-Innovative PG programmes [ ]   Any other (*Specify*) [DSIR]

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers [12]

2.2 No. of Administrative/Technical staff [02]

2.3 No. of students [09]

2.4 No. of Management representatives [01]

2.5 No. of Alumni [04]

2. 6 No. of any other stakeholder and Community representatives [02]

2.7 No. of Employers/ Industrialists [03]

2.8 No. of other External Experts [04]

2.9 Total No. of members [37]

2.10 No. of IQAC meetings held: [10]

2.11 No. of meetings with various stakeholders: No. [10]   Faculty [7]

Non-Teaching Staff &Students [4]   Alumni [2]   Others [2]

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No [√]

If yes, mention the amount [ ]

2**.13 Seminars and Conferences (only quality related):**

   (i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. [16]   International [2]   National [7]   State [-]   Institution Level [7]

   (ii) Themes

Innovative teaching methodology, Outcome Based Education, Effective proctor system and Entrepreneurship.

2.14 Significant Activities and contributions made by IQAC

Continuous monitoring and evaluation, research work and effective proctor system, Students Mentoring System, Grievances Redressal System, Anti Ragging Committee, Women Empowerment Cell, and Academic Monitoring Committee are working for welfare and support. Co-curricular and extra-curricular activities like seminars, workshops, technical quizzes, guest lectures, sports and NSS camps are incentivized and conducted for all round development. Academic Audit to ensure the compliance of the teaching and evaluation. Research forums to disseminate the findings of their research to their peer groups. The IQAC cell has also

- Conducted Seminar/ Workshops/ Training etc. to promote quality, research & development, encourage students to pursue higher education.
- Conducted academic audit by a team of external experts.
- Collected Feedback from various stake holders and analyzed.
- Adopted policies for CAS, Self Appraisal of employees.
- Framed policies to issue 'Certificate of Proficiency' for students
- Achieved NBA Accreditation for 5 Programmes.
- Introduced modified version of ERP systems.
- Conducted various awareness programmes and outreach activities addressing social issues.
- Organized soft skills and personality development programmes for students.
- Organized Industry Visit and Lecture by eminent Industry Personnel through CII.

2.15 Plan of Action by IQAC/Outcome

Plan of Action	Achievements
Emphasis on short-term and value added courses	ORACLE, ANDROID, IBM DB2, RAD, TDS, JAVA, Chemical Engg: Paint and Dye Stuff Technology, Polymer Technology, AUTO CAD, PRO-E, ANSYS, Optimization Technique, Automobile Engineering, Bridge Construction, PCR Based Molecular Diagnosis, Purification of Immunoglobulin G, Fracture Analysis of Turbine Blades in Thermal Power Plants, Polymer and Ceramics, Destructive Testing of Materials, MAT LAB, VLSI, PLC, SCADA, PCB Design, CADFEKO and Applications, Embedded System, Renewable Energy Source, Power System Protection
Research work	National Seminar, registration of faculty members for Ph. D., generating project fund, Research Council Meeting, Research paper publication

2.15 Whether the AQAR was placed in statutory body   Yes [√]   No [ ]

Management [√]   Syndicate [ ]   Any other body [ ]

Provide the details of the action taken

> Management approved the AQAR after a detailed discussion with college authorities and formal approval was given. They also suggested strengthening the areas of Sponsored Research and consultancy works. AQAR is placed on Institute Website

* Academic Calendar of the year is attached as Annexure-1

The draft of Annual Quality Assurance Report (AQAR) of 2018-19 was placed to the 21st meeting on Governing Body of 19th January, 2019. After due consideration, the Governing Body approved the AQAR and recommended the same to upload on the college Website and subsequently to submit it to NAAC.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	--	--	--
PG	06	--	06	--
UG	10	--	10	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	16	--	16	--
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2   (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	10 (UG), 06 (PG)
Trimester	Nil
Annual	Nil

1.3 Feedback from stakeholders*   Alumni [√] Parents [√] Employers [√] Students [√]
   (On all aspects)

   Mode of feedback   :   Online [√] Manual [√] Co-operating schools (for PEI) [   ]

 The student, alumni, parent and Employer feedback forms are attached as Annexure-2

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

> Yes. Due to the Autonomous status with effect from august 2017 the syllabus has been revised for all UG and PG courses of the academic year 2017-18 batches. The advanced subjects have been introduced in each discipline. The new Autonomous syllabus is available in our college website i.e. www.giet.edu. This is again revised as per AICTE new curriculum of 160 credits

1.5 Any new Department/Centre introduced during the year. If yes, give details.

> **Information Technology with 60 seats**

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
279	176	71	32	-

2.2 No. of permanent faculty with Ph.D. | 59 |

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
14	09	12	17	10	12	0	0	36	38

2.4 No. of Guest and Visiting faculty and Temporary faculty | 28 |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	145	19	16
Presented papers	124	19	10
Resource Persons	19	7	9

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Healthy interaction between students and faculty which goes beyond the classrooms; Learning beyond curriculum

- ICT method enables modules, on-line learning and other learner-cantered class-room strategies such as peer, pair and group learning for the students.

- Assessment of learning outcomes in the process of knowledge and skill transfer is evaluated during the end semester project works.

- Presentation and Interactive sessions of students

- The faculties adopt e-learning from the resources of NPTEL and open education resources.

- For the improvement of academic programmes and to acquaint the students with the application of modern technology, the Institute has set up a Digital Library and Language Laboratories. The audio visual materials, technical charts, cut models etc, are used for effective teaching-learning.

- Online Journals and study materials (e-learning) through NPTEL materials are made available to the students.

- Seminars and extension lectures are organized on regular basis by all the departments to update their knowledge.

- Students are assigned with various creative tasks, such as writing articles and matter for wall magazine and college magazine, interacting with resource persons during seminars, workshops etc.

- The students are encouraged to present papers in seminars on recent developments. Such interactions are mutually beneficial to the students and the faculty.

  Besides, all subjects are made as project centric and projects have been divided into following categories:

- CEP Project: Each student is to be a part of "Community education project" in 6th semester. The Project named 'GIET Community Education Project' (GIET- CEP) intends to reach to the rural communities through the University outreach programme in the field of education, community development and business incubation. This project will be partnership between GIET and local government/private entities. GIET-CEP wishes with this project to expose the students and faculty members to rural environment, partly to enhance the students understanding of the rural living conditions. They wish to enhance the student's motivation for service in rural communities after their graduation. The long term presence of the Institution is also intended to benefit the local communities in terms of development of small businesses enterprises and community services. IIC Project: [Industry – Institute collaborative]: Industry-Institute collaborative Project as summer internship Project in 7th semester. Visiting Industry faculty has to give the problem statements from their respective industries and project to be implemented in that particular Industry Theme Based Project: Entire class will take one concept based idea and try to develop one proto type model with innovative approach. This concept can be applied as MSME proposal and further can be extended as DST level research proposal by PG students.

2.7 Total No. of actual teaching days during this academic year   180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Weekly class tests are conducted after two weeks from commencement of classes.
- Question papers of Class test and weekly test are prepared with "course outcomes" mentioned against each question to maintain CO-PO attainment as per NBA requirement.
- Under autonomous batch, end semester answer scripts are bar-coded with student photograph for verification.
- Online Diagnostic test for the first year students to identify the pre requisite knowledge gap followed by arrangement of remedial classes for slow learners.
- Continuous evaluation is carried out throughout the semester through regular tests, objective tests, presentations, quizzes etc.
- Continuous evaluation process for all sessional and Laboratory Classes.
- Introduced evaluation of students performance through Active Learning methodologies.
- Paper presentations and seminars are also encouraged.

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop | 130 |

2.10 Average percentage of attendance of students | 85% |

2.11 Course/Programme-wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
UG	2422	65.22	73.14	7.37	Nil	71.32
PG	121	58.18	71.25	4.46	Nil	70.10

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The Primary aim of the IQAC (Internal Quality Assurance Cell) is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. IQAC contributes towards the improvement of teaching-learning process by taking the following steps:

- Enhancing the infrastructure in terms of space, equipment, laboratories, libraries etc.
- Planning and introducing more teaching aids to improve the teaching-learning process and encourage innovative practices.
- Ensuring timely, efficient and progressive performance of academic activities according to the calendar.
- Motivating the students on the relevance and quality of academic and research programmes
- Organizing training programmes/workshops on ICT-based pedagogical skills to make the teaching staff proficient in ICT and to enhance their teaching-learning process
- Motivating faculty members to attend inter-disciplinary programmes, faculty development programmes and research related programmes
- Appreciating, encouraging and providing support required by all staff for their quality sustenance and quality improvement in teaching, research and administration.
- Obtaining feedback from students to ensure the quality of teaching-learning process
- Organizing educational tours to make teaching-learning more effective and practical in approach
- Increasing facilities for undergraduate education, e-learning, usage of Lab equipments (add on experiments and design of experiments), usage of laptops and Wi-Fi facility
- Better faculty competence, exposure to industrial practices.
- Providing sponsored research facility to faculties.
- Internal periodical reviews at department level.
- Formations of Departmental Committees.
- Periodic reviews of faculty-performance.

- Usage of current research topics in seminar presentation by the students

- Peer evaluation by HODs and Principal

- The day to day teaching learning- activities of different departments are monitored by the HODs, Deans, Principal and Director. The shortcomings/ difficulties, if any, are addressed suitably to improve the process.

- The performance of students in class tests are evaluated by concerned faculty member and weaker students are encouraged to attend remedial/extra classes to bridge the gap, if any under the supervision of the HOD.

- IQAC takes initiative to implement active learning methodologies and adopted by the faculty members to make the teaching-learning process more effective.

- Develops questionnaire for collecting the feedback from student and other stakeholders.

- Collects self appraisals from faculty and staffs.

- Conducts the quality audit once in every six months in all academic and administrative departments. The external audit is done every year by the professional quality auditors.

- Analyzes semester examination results for further improvement.

- The feedback and the suggestions of all stake holders are given due importance and placed in management meeting for proper approval.

- Promotes ICT based teaching learning.

- Sets guidelines for student psychological counselling.

- Encourages enrolment of students in NPTEL and other MOOC courses.

- Conducts several Faculty Development Programs.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	67
UGC – Faculty Improvement Programme	32
HRD programmes	42
Orientation programmes	75
Faculty exchange programme	4
Staff training conducted by the university	20
Staff training conducted by other institutions	124
Summer / Winter schools, Workshops, etc.	140
Others	50

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	134	12	12	Nil
Technical Staff	89	17	14	Nil

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- An in- house body, called research monitoring committee (RMC) is functional to monitor research activities in-house. The body is represented by all Heads of the Departments, senior Professors, Dean R&D (secretary, RMC body), and Principal etc.

- The institute has unique system of research evaluation by a body consisting of eminent experts from different fields. The expert body is called Research council and the opinion expressed by the body is recorded in the form of minute which is authenticated by the chairman of RC.

- The institute has a Central library and each department has its own departmental library, all of which are well stocked with books and journals on state of the art, technologies and new frontiers of research. Books are regularly procured for the libraries and e-journals are subscribed regularly.

- Institute has subscribed to e-journals such as IEEE, Elsevier, ASME, Springer, ASCE, McGraw-Hill, ASTM, J-Gate.

- Thirty computer terminals are provided for the researchers to access online journals and NPTEL audio-video study materials.

- Digital Library to access back volumes of Journals.

- Important information on various subject interests is generated through seminars, conferences, symposia, workshops, etc.

- Inviting Industry professionals to visit the Institute / Departments and interact with faculties / technicians and organizing their visits to labs, infrastructural facility centers etc.

- The College advocates and publicizes the available expertise for consultancy services through its publication in monthly news bulletin Campus Flash. The awards and the achievements of the faculty members are highlighted through news items in the news bulletin as well as reports read out on the College stage.

- Faculty members are encouraged to obtain consultancy work through their personal contacts and visits to industries.

- By giving incentives such as Duty Leave to faculty members for their contributions in consultancy services.

- Providing academic leave to the faculty members to carry out their PhD work.

- In plant training and industrial visits for students and teachers

- Encouraging the faculty members to publish papers in reputed journals from each student project.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	8	14	10
Outlay in Rs.	163,73,980	33,86,020	197,60,000	226,00,000

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	1	8	11
Outlay in Rs.	31,91,000	5,25,000	37,16,000	38,62,000

3.4   Details on research publications

	International	National	Others
Peer Review Journals	76		
Non-Peer Review Journals	385	19	
e-Journals	10		
Conference proceedings	90	19	

3.5 Details on Impact factor of publications:

Range | 0.1 to 6.00 | Average | 2 | h-index | 18.0 | Nos. in SCOPUS | 65 |

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	3 Years	DST/NIMAT/MODROB (AICTE)	117,00,000/- + 80,000,00	31,00,000/-
	3 Years	MINISTRY OF MINES	28,95,000/-	28,95,000/-
Minor Projects	1 Year	MSME/NIMAT	63,91,000/-	10,92,000/-
Interdisciplinary Projects	Nil	Nil	Nil	Nil
Industry sponsored	3 year	NALCO	24,92,000/-	24,92,000/-
Projects sponsored by the University/ College	2	GIET	7,00,000/-	7,00,000/-
Students research projects *(other than compulsory by the University)*	1	GIET and IGBC	5,00,000/-	5,00,000/-
Any other(Specify)	Nil	Nil	Nil	Nil
Total			32678000/-	10779000/-

3.7 No. of books published   i) With ISBN No. | 7 | Chapters in Edited Books | 18 |

ii) Without ISBN No. | Nil |

3.8 No. of University Departments receiving funds from

UGC-SAP | Nil   CAS | Nil   DST-FIST | 01

DPE | Nil   DBT Scheme/funds | 1

Apart from DST and DBT, we receive funds from NALCO, Damanjodi, Ministry of Mines and MSME to carry out the project works.

3.9 For colleges   Autonomy | ✓   CPE | Nil   DBT Star Scheme | Nil

INSPIRE | Nil   CE | Nil   Any Other (specify) | 02

3.10 Revenue generated through consultancy   Rs. 34, 21,000/-

3.11 No. of conferences Organized by the Institution

Level	International	National	State	University	College
Number	1	10	Nil	Nil	8
Sponsoring agencies	AICTE	MSME,ISTE,ISI,IE, GIET			GIET

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations | 18   International | Nil   National | 18   Any other | Nil

3.14 No. of linkages created during this year | 26

3.15 Total budget for research for current year in lakhs: | 353 Lakhs

From funding agency | 326 Lakhs   From Management of University/College | 27

Total | 353 Lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	13
	Granted	02
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
21	12	2				7

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them   19   22

3.19 No. of Ph.D. awarded by faculty from the Institution | Nil

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones): Nil

JRF [Nil]   SRF [Nil]   Project Fellows [Nil]   Any other [Nil]

3.21 No. of students Participated in NSS events:

University level [14]   State level [22]

National level [4]   International level [Nil]

3.22 No. of students participated in NCC events: Nil

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.23 No. of Awards won in NSS:

University level [14]   State level [22]

National level [4]   International level [0]

3.24 No. of Awards won in NCC: Nil

University level [Nil]   State level [Nil]

National level [Nil]   International level [Nil]

3.25 No. of Extension activities organized: 32

University forum [Nil]   College forum [10]

NCC [Nil]   NSS [22]   Any other [Nil]

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

NSS PROGRAMM DETAILS DURING 2018-2019

SLNO	DATE	PROGRAME DETAILS	Units of blood and participation
1	12th Feb. 2018	Mega Blood Donation Camp	333 Units Of Blood Collected
2	8th March 2018	International Women Day	80 Students Participated
3	21st June 2018	International Yoga Day	90 Students Participated
4	14th July 2018	Rath Yatra Seva Program	150 Students Participated
5	22nd july2018	Bahuda Yatra Seva Program	120 Students Participated
6	29th july 2018	Swach Bharat Abhiyan	Railway Station Gunpur
7	31st July 218	Blood Donation Camp	29 Units Of Blood Collected
8	22nd August 2018	Blood Donation Camp	25 Units Of Blood Collected
9	25th August 2018	Rakhya Bandhan Program	Balaniketan
10	9th Sept. 2018	Swacha Bharat Camp	Gokul Dham Campus Primess
11	24th Sept. 2018	Mega Blood Donation Camp	639 Blood Units Collected
12	30th oct 2018	Blood Donation Camp	19 Units Blood Collected
13	27th Nov 2018	Blood Donation Camp	38units Of Blood Collected
14	30th Dec 2018	Blood Donation Camp	20 Units Of Blood Collected
15	12th Jan 2019	Vivekananda Jayanti Celebration	70 Students Participated
16	23rd Jan 2019	Netaji Jayanti Celebration And Blood Donation Camp	22 Units Of Blood Collected
17	25th Jan 2019	Observed National Voters Day	80 Students Participated
18	10th February 2019	Awarness Programm Regada Village	110 Students Participated
19	20th February2019	Mega Blood Donation Camp	**222 Units Of Blood Collected**
20	1st March 2019	Eradiction Of Congress Grass From Giet University Campus	60 Students Participated
21	4th March 2019	Maha Sivaratri	80 Students Participated
22	8th March 2019	INTERNATIONAL WOMEN DAY	150 Participated

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	63.05 Acre	12.48 Acre	Trust Fund	75.53 Acre
Class rooms	57	12	Trust Fund	69
Laboratories	101	00	Trust Fund	101
Seminar Halls	07	01	Trust Fund	08
No. of important equipments purchased ($\geq$ 1.0 Lakh) during the current year.	74	12	Trust Fund, Consultancy, DST&AICTE	86
Value of the equipment purchased during the year	Rs.21691571	35,00,000	Trust Fund, Consultancy, DST&AICTE	25191571
Others				

4.2 Computerization of administration and library

Digital library, Online proctor management system, Student portal

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value(Rs.)	No.	Value(Rs.)
Text Books	54829	2355737	2134	847945	56963	3203682
Reference Books	9452	346392	845	357739	10297	704131
Journals	80	277033	80	286783		
e-Journals	633	2027417	1118	1670025		
Digital Database	0	0	7182	150000	0	0
CD & Video	4441	155435	175	40775	4616	196210
Others (specify)						

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet (mbps)	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	939	13	400	02	Nil	1	Nil	
Added	187	Nil	Nil	Nil	Nil	Nil	Nil	
Total	1166	13	400	02	Nil	1	Nil	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up-gradation (Networking, e-Governance etc.)

ERP System, e-commerce

4.6 Amount spent on maintenance in lakhs :

i) ICT

22

ii) Campus Infrastructure and facilities

51

iii) Equipments

35.12

iv) Others

18.16

Total:

126.28

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The institution publishes its updated Prospectus, Handbook and News Bulletin annually. The following information is provided to students through these documents and enhances the awareness about the student support services:

PROSPECTUS: The institution publishes its updated Prospectus annually where the Institution provides clear information to students about admission procedures, requirements for all programmes (eligibility and documents necessary), the fee-structure and refund policies, financial aid and student-support services. Besides, it contains information like the composition of the Governing Body, history of the College, College Staff (Faculty and Non-teaching Staff), courses offered and subject combinations allowed, Library facilities and rules, Canteen facilities, excursions, medical facilities, co-curricular activities, Anti-Ragging Cell & Rules of conduct and discipline, details of fees structure, etc.

HANDBOOK: The student handbook contains the mission, vision statement and academic calendar of the institution. This also contains the students' code of conduct to give information on DOs / DONTS in the institution. Through this handbook the institution convey message to the students about the fees structure for the semester.

NEWS BULLETIN(Monthly): The news bulletin (**Campus Flash**) disseminates information regarding infrastructural additions, results, aids and incentives to the needy and meritorious, sports achievements, achievements of NSS, Eco-Club, Health Unit etc. Activities of the various committees and different departments are also highlighted. Various events in the College like debates, quiz, Cultural activities, endowment prizes are covered as well as the programmes undertaken for academic enhancement of the faculty and the activities of the Career and counselling cell are also focused on.

- IQAC conducted one day Orientation programme at the beginning of the academic year for the newly admitted students to make them aware of the student support programmes.
- IQAC updates notice boards and college website regularly to ensure active participation by students in various activities.
- IQAC implemented Student Support Services. Introduction of student centric welfare schemes, addressing various requirements of students and providing necessary support system for student related issues are managed by the Deans of the Institute, wardens of the Hostels and Student representatives.

5.2 Efforts made by the institution for tracking the progression
- Alumni database has been initiated to capture the relevant information
- Students' progress was tracked both academically and in extracurricular activities.
- Academically, the students were traced by the internal assessment, analysis of results, remedial coaching, extra lectures for better understanding, mentoring, parent-teacher

meeting, etc.

- Percentage of attendance of students are calculated and the names of those who have less than 75% are displayed on all notice boards and the parents of these students are also informed by sending letter.

- In the area of sports, internal games were conducted to select the students for representing the college, university, state and country.

- The Institutional cultural fest & technical fest were conducted with the aim of providing a platform to the students to showcase their inherent talents

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3144	117	Nil	Nil

(b) No. of students outside the state

1128

(c) No. of international students

43

Men

No	%
43	

Women

No	%
0	-

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1495	190	134	795	NIL	2714	1775	219	141	1009	NIL	3144

Demand ratio: 0.69   Dropout %: 0%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Organizing coaching classes for competitive exams

The institution is supporting the students beyond the syllabus by arranging special training programs, soft skill training programs for students on a regular basis, by the internal and external experts. Being an engineering college, a special arrangement for GATE coaching classes are organized and conducted by many departments of the Institution. In the GATE coaching classes, primary emphasis is given to solve the questions of last ten years. Tricks and tips is another regular practice of the GATE coaching classes.

Skill development (spoken English, computer literacy, etc.,)

GIET regularly conducts Personality Development Programmes which enhance the IQ level and communication skills of the participants for which Smart Class room is provided with audiovisual facility. The Institute also invites Guest speakers from the industry who provide regional and global employment opportunities for the students. Special spoken English classes are taken for communication skill development taking into considerations the rural backgrounds of the students.

Support for "slow learners"

The institution believes that slow learners can go steadily. So, personal care is taken by individual faculty members for the students. Students are allowed to ask their problems without any hesitation. **Remedial classes**, **extra-hour classes**, **frequent tests** are arranged on regular basis. All the members of the faculty participate in academic and career counselling.

Exposures of students to other institution of higher learning/corporate/business house etc.

Industry visit, participation in seminar/workshops/conferences organized in other institutes or industrial organization are the common practices so that students could well aware of the outside world.

5.5 No. of students qualified in these examinations

NET	1	SET/SLET		GATE	36	CAT	
IAS/IPS etc		State PSC	12	UPSC	2	Others	54

5.6 Details of student counselling and career guidance

Student Counselling:

Here in GIET, Gunupur each of the section of a particular batch consists of maximum 60 students. Two mentors, among them one of a mentor is designated as class teacher for each of the section. The class teachers and mentor have a keen watch at a micro level about the student activities like Performance, Abnormality in attendance etc. We maintain personal files for each of the students starting from the 1st semester to 8th semester. When class teachers changes the files are handed over to next semester class teachers which contains all information like address, parent phone no, semester result sheet, medical certificate(if any), and previous track records of the students etc. The other mentor is the proctor, who deals with 20 students. The proctor meets the 2 students daily for counselling the students in regards to their academic problems and non-academic problems. The daily meeting discussions with the students are recorded and send to the higher authority by means of Proctor Management System. The academic problems are being handled by the Department head and the non academic problems are handled by the respective higher authorities.

Career Guidance

- Organizing PPT Classes
- GATE coaching classes
- BEC Vantage certified course
- ORACLE certified course
- Short term, value added courses

No. of students benefitted | 2259 |

- GIET has an in-house qualified student counsellor who counsels the students on various aspects like, anxiety, confusion, anger management and depression
- The Institute also has a very active placement cell which organizes sessions on career

guidance as well as helps in the on campus placement.

- Soft skill training for all students.

Promotion of entrepreneurship & skill development in collaboration with NEN

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
70	711	593	56

5.8 Details of gender sensitization programmes

GIET, Gunupur is committed to gender equality which is evident by the programmes it has undertaken in the last year.

Campaigns and Significant Days

Independence Day (August 15, 2018): Theme "Women Hold Half the Sky". Growing violence against women has been a matter of serious concern. The NSS Club of GIET held a poster exhibition depicting different forms of discrimination against women, gender stereotypes and dimensions of violence against women. Film screening of "Bol" on domestic violence, street play – *ansuni awaaz* on issue of female foeticide was performed.

Observed International Women's Day in the College campus and conducted various competitions, some of them are poster presentation on women empowerment, awareness of self-defence etc.,

World Human Rights Day – Women's Human Rights (December 10, 2018): The NSS Club of GIET celebrated this day by having a quiz on women's human rights, poster exhibition, group discussion on, right to the city".

Women's Safety Audit on College Campus: (December 2018) This was undertaken to make the campus safer for women.

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level | 58 | National level | 13 | International level | Nil

No. of students participated in cultural events

State/ University level | 125 | National level | Nil | International level | Nil

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level | 01 | National level | Nil | International level | Nil

Cultural: State/ University level | 8 | National level | Nil | International level | Nil |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	386	15440,451/-
Financial support from government	982	63830157/-
Financial support from other sources	26	1690219/-
Number of students who received International/ National recognitions	nil	

5.11   Student organised / initiatives

Fairs   : State/ University level | √ | National level | | International level | |

Exhibition: State/ University level | √ | National level | | International level | |

5.12   No. of social initiatives undertaken by the students | 22 |

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To foster prosperity through technological development by means of education, innovation and collaborative research and emerge as a premier technical institution

Mission: To provide quality education of international standards for producing technocrats and future leaders in a disciplined and conducive environment as an integral part of our social commitment to promote education in globally.

6.2 Does the Institution has a management Information System: Yes

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Teaching plans & methodologies.
- Subject allocation as per specialization of teachers.
- Feedback from alumni, corporate, visiting faculties.

6.3.2 Teaching and Learning

- Mechanisms to adopt Learner-centric education approach, academic planning, improved and use of modern teaching-learning aids and application of ICT resources to make the curriculum interesting and effective for the students to facilitate effective learning outcome.

- Learner-centric education approach through appropriate methodologies like Academic Calendar, Interactive instructional techniques, use of debates, projects, presentations, Field work, surveys, experiments and practical classes, Lectures by experts from other colleges & Inter-departmental lecture exchange

- Academic calendar ensures clarity, co-ordination, planning and distribution of classes properly.

- College has well equipped Laboratories according to the revised syllabus required for practical classes.

- Use of Audio-Visual mode of teaching aids for all departments with Blackboard, Flow Charts, Overhead Projector, LCD Projector, Laptop, ICT as teaching aids & use Computers & internet facilities, Generator for continuous power supply for effective teaching learning process & research work for faculty.

- Total computerized of cataloging of books of the central library & creating a digital database for effective use by students & staff of the college.

6.3.3 Examination and Evaluation

E-evaluation methods and transparency is achieved. University appointed college examination officers to ensures smooth conduction of exams.

- All the class tests and end semester examinations are conducted as per the schedule of the university.

- The class tests answer scripts are manually written, where as the answer scripts of university examination are bar coded.

- The answer scripts of the class tests are evaluated within three days and the same are shown to the students to bring out transparency in the internal examination.

- Re-examination system has been introduced for both non-appearing and poor performing students. It is conducted within 10 days of the respective class tests.

6.3.4 Research and Development

- Seed money for R&D

- Incentives for paper publication

- Financial support for paper presentation, participation in conferences, workshop etc.

- Academic leave for higher study

- MoU with several other industries and organizations for Research, Consultancy and Extension activities.

- Mechanism to promote research culture, research publication, & professional development faculty members for quality enhancement of the teaching community.

- The Research Monitoring Committee encourages the research activities of the college and monitors the research activities, infrastructure provided and required by the faculty members to carry out research activities

- Full autonomy is given to the principal investigator by the institution to facilitate smooth progress and implementation of research schemes/projects

- The Institution makes all necessary arrangements for timely availability or release of resources for smooth progress and implementation of research schemes/projects

- Internet, LAN and journal and e-journal subscription is made available to the principal investigator by the institution to facilitate smooth progress and implementation of research schemes/projects

- Conferences and Seminars are organized by the Departments to attract researchers of eminence to visit the campus and interact with teachers and students

- The provision of leave facility for the faculties for Paper presentations in different International and National Conferences

- Encouraging Publication by faculty in different International and National refereed journals, books, articles in edited volumes, seminar proceedings etc.

- The institution has an institute industry interaction cell through the Training and Placement Cell headed by the Training and Placement Officer. They promote industrial training for the students and for the faculty as well. Students are sent for internship programmes for a maximum of four weeks to industries both domestic and abroad for promoting collaboration.

- Hence, the institution creates a tie up and signs MOUs.

- Every academic year it is made sure that the students are taken for industrial visits.

- Both UG and PG students are motivated to undertake their end semester project in the relevant industries of their domain, thus exposing and preparing them to meet the real time requirement in the industry.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Laboratories and Library are updated, ICT based instruments and computers are purchased and used

- 24 x 7 Internet, Wi-Fi, CC TV surveillance services

6.3.6 Human Resource Management

- Implementing bodies - Committee System for academic & administration.

- Interaction with stake holders

- Welfare measures for the staff and faculty

- Mechanisms for performance assessment (teaching, research, service) of faculty and staff

- The institution uses the evaluations to improve teaching/ research of the faculty and service of the faculty by other staff

- The strategies and implementation plans of the institution, to recruit and retain faculty and other staff who have the desired qualifications, knowledge and skills

- The institution supports and ensures the professional development of the faculty through budget allocation for staff development, sponsoring for advanced study, research, participation in seminars, conferences, workshops, etc. and supporting membership and active involvement in local, state, national and international professional associations

- Staff development programmes for skill up-gradation and training of the staff

- Facilities provided to faculty to carry out their work effectively

- An entrepreneurship awareness programme for women The programme would hopefully contribute to women empowerment.

- To impart values among students the Institute has conducted Value Education and Positive Thinking workshop

- An awareness programme was organised on the National Pollution Control Day and famous environmental activist was invited to address the audience.

- A workshop on Anger Management has been organized by our college. The programme was mandatory for all staff members including support staff.

6.3.7 Faculty and Staff recruitment

Recruitment of teaching staff is normally done as per AICTE norms i.e. by inviting applications from eligible candidates either through paper advertisement or directly from identified candidates, screening applications by a committee and through interview by an expert committee for the screened candidates.   Newly recruited staff is given orientation for his / her work and that is continuously monitored for their development by the Management and Principal with the coordination of respective HoDs. Performance Appraisals of the employees is done by the immediate Head of the Department & Head of the Institution and is reviewed at the next level of supervision. On satisfactory completion of probation, an employee is considered for confirmation in service.

6.3.8 Industry Interaction / Collaboration

- Active I2I cell for industry to institute interaction

- Industry delegates are invited for seminar, workshops

- Institute organizes alumni meet every year

- The institution has an institute industry interaction cell through the Training and Placement Cell headed by the Training and Placement Officer. They promote industrial training for the students and for the faculty as well. Students are sent for internship programmes for a maximum of four weeks to industries both domestic and abroad for promoting collaboration.

- Hence, the institution creates a tie up and signs MOUs.

- Every academic year it is made sure that the students are taken for industrial visits.

- Both UG and PG students are motivated to undertake their end semester project in the relevant industries of their domain, thus exposing and preparing them to meet the real time requirement in the industry.

6.3.9 Admission of Students

- For undergraduate programs, students are selected on the basis of merit list of common entrance, conducted by the JEE (Main) every year. A minimum mark is specified for qualifying the test and ranks are awarded based on the marks secured. Students exercise their options to select the Institute and branch as per their choice and priority.

- For appearing JEE (Main), a candidate should have cleared or have appeared in class 12 exams with Physics, Mathematics and one of the subjects from Chemistry / Computer Science / Biotechnology / Biology. Engineering Diploma Holders can also appear for the

exam. The Minimum % of the qualifying examination is 45% for the above criteria students.

- Admission for M.Tech. is through PGAT (Post Graduate Admission Test) conducted by the OJEE, Govt. of Odisha.

6.4 Welfare schemes for

Teaching

- Salary paid on the last day of Every Month
- The college has adopted the Employee Provident Fund Scheme whereby the management contributes its share equal to the share of the employee every month.
- First Aid Unit and Health Check Up by the college
- Annual Sports are organized for the Staff.
- College has a LTC scheme.
- Medi-claim and General Insurance Scheme

Nonteaching

- Salary paid on the last day of Every Month
- The college has adopted the Employee Provident Fund Scheme whereby the management contributes its share equal to the share of the employee every month.
- First Aid Unit and Health Check Up by the college
- Annual Sports are organized for the Staff.
- College has a LTC scheme.
- Medi-claim and General Insurance Scheme

Students
- Tuition Fee Wavier scheme
- Institution Freeship

6.5 Total corpus fund generated   10,00, 00,000/-

6.6 Whether annual financial audit has been done   Yes √   No ☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Anil Mihir &Associates	Yes	Sanath Patnaik (CA)
Administrative	Yes	Anil Mihir &Associates	Yes	Sanath Patnaik (CA)

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes √ No ☐

For PG Programmes   Yes √ No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The Autonomous status to the institute has given the privilege of conducting both Mid-semester and end-semester examinations at the institute level. Question papers are prepared through the help of outside experts from different reputed institution. Timely conduct of examination also made it feasible for timely publication of results within 15 days of completion of examination. The online paper evaluation is also done at the institute level. The process of revaluation and rechecking has also become simpler as it is carried out at the institute level. In the mean time GIET, Gunupur is conferred University status and a new controller of examination is appointed. Being a university the examination cell has now become more vital and the college has also procured new examination ERP software for smooth conduction of all examination related activities.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

GIET, Gunupur has been conferred autonomy from BPUT vide letter No-BPUT/22682, Dt-August12, 2017 .

6.11 Activities and support from the Alumni Association

ALUMNI ACTIVITY DURING 2018-2019

- Mr. Tophan Dash,working as System Engineer(TCS),Ms.Rinkle Baral working as a software developer (Tech Mahindra),Ms.Upasana Mishra working as a software engineer (Accenture),2015 batch an alumni of ECE Dept.addressed the Final yr students of ECE Dept. on 19.01.2018

- Mr. Abinash Mahanta, a proud alumnus of Mechanical branch, batch 2006-2010, working as an Asst. Manager at ESSAR STEEL INDIA PVT. LTD at KEONJHAR, ODISHA interacted and shared his experience with the 4th year students of the Dept. of Mechanical Engineering on 16.3.2018

- Mr. Abhishek ku Jha, a proud alumnus of of 2012-16 batch of Dept. of AE&IE, now working as Associate software engineer in Xerox Conduent, Noida, addressed the 4th year students of the Dept. of Electronics regarding the placement opportunity available for the students of Electronics Engineering on 20.4.2018

- Mr. P. NAVYA SIDDHARTH, working as a software engineer in DELL-EMC,Bangalore & MR.B.GIRI GOPAL working at his own poultry business at Rourkerla ,2005 ECE Alumnus visited campus and met with their batchmates 12.5.2018.

- Mr. Amar Pratap Singh of 2012-16 batch, working in JKPaper mill visited the campus. He interacted with 2nd Year students and shared his one year experience in the industry on 11.6.2018.

- Mr.Saroj Das EEE-2011batch alumnus working in Cognizant as a Sr.Associate at Vancouver,Canada visited and interacted with the 2nd & 3rd yr. of EEE student about the preparedness of pre placement and new technology on dt.17.12.2018

- Mr. Dibya Ranjan Das alumnus of 2012 EEE working in Accenture Bangalore as software engineer interacted 3rd & 4th yr students about new trends of technology.on dt.3.1.2019

- Mr. Sonu kumar Ray,alumnus of CSE 2013 batch working at ATOS Bangalore as a Tech Lead interacted and addressed pre final year students about importance of Coding ,C++ and communication.on dt.7.1.2019

- Mr.Ajay Choudhury alumnus of EEE-2013 batch working in XPO Logistics,Inc,Canada as a Asst. Operations Manager addressed MBA,CSE branch students about the career opportunity for engineers.on dt.13.2.2019

ALUMNI MEET-NEPAL CHAPTER.

- Nepal Alumni Meet was conducted at Kathmandu on 26th May.2018.

ALUMNI SUPPORTED FOR PLACEMENT.

- Mr.deepankar nayak-mba-2015 working as hr in thyrocare, mumbai visited campus for campus recruitment drive on 5.1.2019.

- Mr. Ranjit das –cse-2009 provided lead for amazon.on dt.19.1.2019.

- Mr.upamanyu samal –e&i-2009 working as analyst at vishnu chemicals visited campus and conducted a drive on dt.2.2.2019.

- Mr.dipoo singh cse-2010 working as software engineer in process map ,bbsr, had a drive on 14.12.2018

- Ms.pallavi singh and md.anas khan cse-2018 working in milliman, gurugram visted camus for recruitment drive on 26.3.2019.

Alumni Support

Sl.No	Name Of The Alumni	Year Of Passing	Company Arranged
1	Mr.Jayant Kumar Panda	2001	Gsx, Bangalore
2	Mr.Priyabrata Mishra	2001	Wipro, Bangalore
3	Mr.Rashmi Ranjan Choudhury	2001	Nissan, Chennai
4	Mr.Kalindi Sahu	2001	Igate, Bangalore
5	Sairam Tripathy	2001	Ibm
6	Robin Prusty	2001	Aricent
7	Pradipta Kumar Ojha	2001	Fujitsu
8	Sreemanta Kumar Biswal	2001	Quickheal
9	Mr. Avs Pratap	2001	Sai Management Solutions
10	Lalatendu Pattanaik	2002	Steag
11	Mr.Sunil Kumar Prusty	2002	Lantech Srikakulum
12	Nikhil Panigrahi	2003	Enmas Andritz Pvt Ltd
13	Pallab Acharya	2003	Siemens
14	Bibhuti Bhusan Tosh	2003	Nethawk
15	Sambit Kumar Pradhan	2004	Discoventure
16	Mr.S Jagadish	2004	Ibm Bangalore
17	Kingsuk Mitra	2006	Datapattern
18	Mr. Subhrajyoti Mohanty	2005	Jindal Saw Ltd. Mundra, Bhuj
19	Mr.Asit Kumar Panda	2006	Enercon India Ltd. Mumbai
20	Mr. Byomkesh Gada Nayak	2007	HCL, New Delhi
21	Tusar Pal	2007	Neco Jaiswal Ltd. Raipur
22	Debasish Sharma	2008	Alembic Pharma
23	Mr. Sanjay Kumar Sahu	2009	Wind World India Ltd. Mumbai
24	Binay Pradhan	2010	Infosys
25	Arpita Patro	2011	Arpita Patro
26	Mr. Ayush Ghosh	2012	Source Easy, Bangalore
27	Mr. Ankit Kumar Gupta	2013	Tecnics Ltd, Hyderabad

6.12 Activities and support from the Parent – Teacher Association

- Parent feedback
- Parents meet conducted at different places

6.13 Development programmes for support staff

- Industrial training to the support staff
- Skill Development Programme
- Yoga classes

6.14 Initiatives taken by the institution to make the campus eco-friendly

- E-Waste Management
- Hazardous waste management
- Green Audit System
- Energy Conservation
- Water harvesting (Recycling)
- Efforts for carbon neutrality
- Plantation

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Paperless Office: Group Email services
- More emphasis is given on Research activities and publication of research papers by students in different conferences/seminar/journals.
- Continuous evaluation and regular monitoring and review of performance of teachers based on online feedback system and percentage of pass.
- To make the students practice their courses, tutorial classes are introduced in the curriculum. In these practice classes, students interact with the concerned teacher to make their doubts cleared. For every 20 students, one teacher is allocated as a proctor.
- Remedial classes, tutorial courses to make up for weak and slow learners.
- ICT is employed in teaching-learning process.
- E-learning, NPTEL video lectures and content management system

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year.

1. Guest Lecturers:

Like previous year, this year also the institute invited renowned professors, scientists and technologist to deliver guest lecturers on topics of strategic importance in order, that concepts are understood in their proper lights.

2. Seminar/Conference:

Four Departments of the institutes have organized national seminars/ conference in the last academic session student delegates, renowned professors and technologists from premier industrial and R&D houses attended the conferences. They provided the much needed stimulus furthering debates and discussions on the burning issues of the day. Apart from this the EDP cell, GIET, Gunupur has organized three entrepreneurship awareness program in order to enhance the EDP activities.

3. Short term course/ Workshop:

Different departments of the institute conducted a host of short term course and workshops on a regular basic to keep themselves abreast of the recent developments in their respective fields. People having vast experience and expertise in the field have been invited to deliver lectures and give demonstrations on the occasion to ensure that students and faculty members, being enmeshed in theory, are not kept aloof/ detached from the practical world.

4. Industry to Institute Linkage:

The institute has signed MoUs with NALCO, IIT, NITs, NML, British Council etc for collaborative research projects and developments in teaching and learning process.

5. More placement related activities:

The training and placement cell has undertaken the following activities to enhance placement prospect for the students.

- Pre-placement Training
- Industrial Tours
- Mock Interviews
- Summer training for students

6. Departmental Disciplinary Committee:

Apart from central disciplinary committee, departmental DCs have been constituted to look into the problems surfacing at the departmental level. The DCs at the departmental level see to it that problems are amicably settled.

7. Extracurricular activities:

The students of the institute have been sent to IITs, NITs, Universities and Deemed Universities for getting exposure through participation in Technical festivals, seminars, conferences, workshops, sports and a host of other competitions.

8. Improvement of University results:

To enhance academic performance, the institute has devised a "Zero back log" recipe under which lecturer notes, probable short questions and solved papers of previous year of all subjects are made available in the library so that students can have photocopies for preparing for the examinations. This academic year many students have qualified in GATE. 24 students scored above 95 percentile in GATE 2018.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

Best practices of the Institute which have contributed to the achievement of the Institutional Objectives and contributed to the Quality improvement of the core activities of the college are:

1. Continuous Monitoring of Academic Activities.
2. Empowerment of Green Energy Practices in GIET Campus (Through Energy Enigma Solutions, GIET)

7.4 Contribution to environmental awareness / protection

- **Energy conservation**
  - ✓ The Institute class rooms are so airy and well lighted that they hardly need any artificial lighting. Still the institution has done away with the orthodox lighting system and installed tube lights

- ✓ All floors are checked if lights, fans, and ACs are unnecessarily on.
- ✓ Computers, printers, photocopiers etc, which are not in use are shut down at the end of a working day.
- ✓ Electronic equipments and gadgets are switched- off during non-working hours

➢ **Use of renewable energy**
- ✓ There is a plan to install solar based electric devices in the campus

➢ **Efforts for Carbon neutrality**

Campus has a large green coverage which acts as a natural carbon sink. The College at its own level has taken up certain preventive measures to check the emission of carbon Dioxide. It has made arrangements for the parking of the vehicles of the students and staff near the entrance. This helps in keeping the campus as much clean as possible. In order to reduce pollution and unnecessary wastage of vehicle fuel, the College does not allow two wheelers of students in campus. The campus is also smoke free. The dead leaves and waste papers are not allowed to be put on fire. The dead leaves and waste papers are scientifically decomposed off by burying them in the soil by making pit in the adjacent areas. The college has emphasised on paperless office to save carbon emission in printers.

➢ **Plantation**

The college has a serene green campus comprising of a variety of trees and plants. The NSS unit often organizes tree-plantation & maintenance programmes outside the campus. These planted trees are also maintained carefully by the college authorities.

➢ **Hazardous waste management**

Waste chemicals from chemistry laboratory are properly disposed by keeping them separately in protected sheets/bottles. The main hazardous waste is plastic. This waste is minimized at the originating point itself by emphasizing the concept of zero plastic zone. The sanitary napkins, batteries and other hazardous wastes are disposed off. The Institute has tie up with the local Municipality Corporation for the disposal of wastage of different types.

➢ **e-waste management**

Electronic wastes such as discarded computers, refrigerators and other electronic equipments are sold as scrap to local vendors. The non-working computer spare parts and other non-working equipments are safely disposed outside.

➢ **Water harvesting**

Rain water harvesting is done through our NSS unit

1) The institute celebrates "National Pollution Control Day" on 1st December 2018
2) The institute celebrates "SAFE DRIVE AND SAVE LIFE" awareness programme on road safety on 21st March, 2018. Free helmates were distributed in the event.

7.5 Whether environmental audit was conducted?   Yes √ No ☐

7.6 Any other relevant information the institution wishes to add.

Strengths:

1. 1 UG, EEE along with earlier CSE, MECH,EIECHEM, ,programmes are presently accredited by NBA. Other UG Programmes ECE, BIOTECH are under process of Accreditation.

2. The Institute possesses an effective and efficient mix of young, dynamic, versatile experienced faculty members with outstanding records of teaching and research acumen.

3. 35% of faculty members having Ph.D. degree while others are M.Tech.

4. Constant encouragement provided to the faculty for Research work leading to Ph. D.

5. Well maintained state-of-the-art infrastructure and laboratory.

6. Eco-friendly and amicable working atmosphere.

7. Diagnostic Test conducted to identify the gap of knowledge among the first year students.

8. To enhance domain knowledge ICT enabled Teaching learning methodology practiced through NPTEL, etc.

9. Encouragement provided to the students for nurturing their innovative ideas and converts it to usable products through Innovation Cell.

10. Skill development training is provided to the students to flourish their latent Entrepreneurship qualities.

11. Conduct students' interaction with Industry through CII by in-house programmes and visit to Industry.

Weakness:

1. Newly admitted students from various vernacular and ethnic backgrounds carrying the heterogeneous students groups, which creates problem to bring them at par.
2. Collaborative R & D and Consultancy work in MORE EFFECTIVE AND PRAPOSEFUL WAY

Opportunities:

1. linkages to conduct more interaction programmes with the Industry.

2. Motivate faculty members to submit more R&D proposals to various funding agencies to increase external revenue.

3. Prepare students for GATE and other competitive examination for obtaining more Govt. jobs and avail opportunity for higher studies.

4. Authorized BEC Vantage centre in campus provides easy access to the students to assess

their competency in English.

5. Strategic alliances and partnerships with International Universities

6. Diversification of sources of revenue through better exploitation of consultancy

7. Increased focus on Inter Multi disciplinary approach for better learning

8. To find means and ways to conserve our fast depleting resources and initiate programmes to save the planet

9. To encourage faculty to apply to different state and central funding agencies for research projects

10. To have more collaborations with Industries

11. To continue the services to the downtrodden by contributing food to the slums identified

12. Services of alumni to be better utilized

Threats:

1. Continuous up gradation of programme delivery content to keep pace with the fast changing Industry is a strong challenge.

2. Upgrading Faculty competence to match rapid growth and technology advances.

3. Overall recession in the national/ international market bleaks the placement scenario.

4. To motivate students in Entrepreneurship development.

5. To match up to the competition from other institutions

6. To attract more foreign students

7. To introduce more UG & PG Course with special reference to industry needs

8. To meet the diverse need of Student community and to make them employable and to meet the Global competition

8. Plans of institution for next year

- Preparing for NBA accreditation in other branches.
- Maintaining university status successfully.
- Promoting the proctor system purposefully.
- MOU with different software and core companies.
- Conduct of more value added courses.
- Conduct of seminars/ workshops on industry and research oriented topic.
- Development of exploratory projects.
- Submission of project proposals to different funding agencies for development of R&D and academic facilities.
- Purchase of new books and software etc.
- R&D on thrust areas.
- BEC ventage examination will be conducted for students to help them in enhancing their communication English.

- Fulfilment of social responsibilities through NSS wing.

- Conduct of different activities of ISTE,ISI,CSI,IE,.

- Opening a chapter under, Institute of Engineers.

- Addition of new laboratories and equipments in the existing labs to make them more sophisticated.

- Encouraging teachers for higher education.

- Effective measures of Swachha Bharat Abhiyan

- Awards and ranking: NIRF

- Tie up with more Professional and Institutional bodies

- To increase collaboration with leading industries and provide consultancy

- To publish maximum number of international journal papers of repute

- Effective involvement of Alumni in various College Activities

- To improve Student Internship Programme

- To activate Incubation Cell (PIC) more effective way

- Plagiarism check for Project & Assignment submissions

Name Dr. Subodh Panda   *Name Prof. (Dr.) K. Senthil Kumar*

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

Annexure -1

Academic Calendar

GIET UNIVERSITY, GUNUPUR, ODISHA-765022, INDIA
ACADEMIC CALENDAR 2018-2019 (EVEN SEMESTER)
REVISED ACADEMIC CALENDAR (01/02/2019)

EVEN SEMESTER ACTIVITIES	2ND Semester	4TH Semester	6TH Semester	8TH Semester
Starting Date of Instruction	3/1/2019	3/1/2019	10/12/2018	6/12/2018
Registration without fine	3/1/2019 to 05/01/2019		17/12/2018-22/12/2018	
Registration (Fine of 500/-)	19/1/2019		12/1/2019	
Registration (Fine of 1000/-)				
Mid Exam-I	04/02/2019 TO 06/02/2019	04/02/2019 TO 06/02/2019	4/2/2019-6/2/2019	4/2/2019-6/2/2019
Last date of Evaluation of Mid Exam-I	11/2/2019	11/2/2019	11/2/2019	11/2/2019
Displaying of internal marks and sending to parents	12/2/2019	12/2/2019	12/2/2019	12/2/2019
Science & Tech-Expo-2K19	23/02,24/02 and 25/02 - 2019.			
Mid Exam-II	04/04/2019 TO 06/04/2019	04/04/2019 TO 06/04/2019	1/04/2019 TO 3/04/2019	05/03/2019 TO 07/03/2019
Last date of Evaluation of Mid Exam-II	12/4/2019	12/4/2019	8/4/2019	11/3/2019
Displaying of internal marks and sending to parents	13/04/2019	13/04/2019	9/4/2019	13/03/2019
Lab Viva-voce	25/04/2019 TO 30/04/2019	25/04/2019 TO 30/04/2019	10/04/2019 to 15/04/2019	08/03/2019 to15/03/2019
Closing date of Instruction	23/4/2019	23/4/2019	15/4/2019	15/3/2019
Sending of Internal Marks	1/5/2019	1/5/2019	16/4/2019 &1 7/4/2019	19/03/2019 & 21/03/2019
End Semester Examination	2/5/2019	2/5/2019	28/04/2019 to 09/05/2019	25/03/2019 to 05/04/2019
Commencement of odd Semster Classes	8/7/2019	8/7/2019		****
Semester Break	19/05/2019 TO 30/06/2019	19/05/2019 TO 30/06/2019	11/05/2019 TO 30/06/2019	****
Publication of Results	5/6/2019	5/6/2019	25/07/2019	25/06/2019
Special supplementery Exam	10/6/2019			

Note:- The Examination dates are subjected to change with prior Notice for any Administrative reasons

Dean Academics

Registrar

Principal
School of Engineering

<div align="center">

Annexure -2

Gandhi Institute of Engineering & Technology, (Autonomous)

ALUMNI FEED BACK FORM

</div>

We shall be thankful to and appreciate you, if you can spare some of your valuable time to fill up this feedback form and give us your valuable suggestion for further improvement of the Institution programme. Your valuable input will be of great use to improve the quality of our academic program and enhance the credibility of the Institute.

Yours Truly,
PRINCIPAL

Name of the Alumni:		Roll No:
Programme:	Dept.:	
Year of Graduation		
Name of the Organization where you are working		
Designation		

Please give your overall assessment of the Institute academics. Please rate us on

1. Very Good (VG)

2. Good (G)

3. Fair (F)

4. Satisfactory (S)

5. Unsatisfactory (UN)

6. Not applicable (NA)

S. N.	Details	Graduate Attributes	Program Outcome	Assessment				
				VG	G	F	S	UN
1	Environment	NA						
2	Infrastructure	Modern Tool Usage	PO 5					
3	Lab facilities	Modern Tool usage	PO 5					
4	Faculty	i) Engineering knowledge ii) Ethics iii) Communication	PO1, PO8, PO10					
5	Project Guidance Other Co-Curricular activities	i) Engineering Knowledge ii) Problem Analysis iii) Design / Development of Solutions iv) Solving complex problems v) Engineer & Society iv) Modern Tool usage v) Individual & Team Work vi) Communication	PO1, PO2, PO3 PO4 PO5, PO6 PO9, PO10					
6	Environment and sustainability related programs	i) Environment and sustainability:	PO 7					
7	Quality of	NA	NA					

	Support Material								
8	Training and placement	i) Individual & Team Work ii) Communication	PO 9 PO 10						
9	Library facilities	NA	NA						
10	Canteen facilities	NA	NA						
11	Hostel facilities	NA	PO 9						
12	Overall rating of the Department	NA	NA						
13	Overall rating of the College	NA	NA						
14	Alumni Association / Networking of old friends	NA	NA						

Your suggestions

1. Relevance of curriculum in your job.

2. Need any change in curriculum and syllabi.

3. Improvement in Teaching Learning process.

4. Have you learned the basic concepts through your projects?

5. Any other suggestions / Comments.

……
.

NAME & SIGNATURE

Gandhi Institute of Engineering and Technology (Autonomous)
Parent Feedback Form

Dear Sri/Smt. _____

We request you to assist us by answering a few questions listed below in connection with our services to your son /daughter /ward studying in our institute. Your feedback would be invaluable to us in improving our teaching processes to serve the needs of our students better.

Name of the student : _____

Class   : _____

BPUT Regn.No. : _____

	Please tick the appropriate ratings : 1 = Poor, 2 = Less than satisfactory, 3 = Satisfactory, 4 = Very good , 5 = Excellent					
1	How happy are you with the performance of the student?	1	2	3	4	5
2	Improvement in the student's personality as compared to the same at the time of joining the institute?					
3	Improvement in the student's communication skills as compared to the same at the time of joining institute?					
4	How well did we do in transforming the student into a good and responsible citizen?					
5	Feedback received by you from the student with regard to teaching.					
6	Feedback received by you from the student with regard to extra-curricular activities.					
7	Feedback received by you from the student with regard to laboratory facilities.					
8	Feedback received by you from the student with regard to computer facilities.					
9	Feedback received by you from the student with regard to general infrastructural facilities.					
10	Feedback received by you from the student with regard to hostel facilities (only if applicable).					
11	Feedback received by you from the student with regard to the student's ability to cope with other students.					
12	Feedback received by you from the student with regard to the administration of the institute.					
13	Given the circumstances under which you admitted the student in the institute, your level of satisfaction in realizing your objectives.					
14	How strongly would you consider this institute for admitting another student, if you have to?					

_____
Name & dated Signature

For office use only:
Overall average:

Gandhi Institute of Engineering & Technology, (Autonomous)

SURVEY QUESTIONNAIRE TO EMPLOYER

Sir,

Our Institute is falling in line with outcome based education in continuity with the international practices (as per Washington Accord). The assessment of the outcome has to be through a survey (such as Graduate survey, Alumni survey, parent feedback, employer survey etc.). The following questions need your valued consideration. Please find some time and send in your answers to the following questions. This report will be kept confidential.

Yours Truly,

PRINCIPAL

Company Name :		
Mailing Address :		
City	State	Pin code
Employment details	year	Mobile and E-mail

Survey questionnaire to employer

S. N.	Questions	Graduate attributes	POs	Excellent [5]	Very Good [4]	Good [3]	Satisfactory [2]	Poor [1]
1	Your views on strengths of our graduates?	i) Engineering Knowledge ii) Ethics iii) Individual & Team Work iv) Communication v) Project Management & Finance vi) Life Long Learning	PO1 PO8 PO9 PO10 PO11 PO12					
2	How did you find our student in applying the knowledge of maths, science in the solution of complying engineering problems?	i) Engineering Knowledge ii) Design & Development of solution iii) Conduct Investigations of complex problems iv) Modern tool usage v) The engineer & Society	PO1 PO3 PO4 PO5 PO6					
3	How you found our student with respect to technical skills?	i) Problem Analysis ii) Design & Development of solution iii) conduct Investigations of complex problems	PO2 PO3 PO4					

4	How you rate our student with respect to their ethical and moral values?	Ethics	PO8					
5	How you rate our students with respect to work?	Individual & Team Work	PO9					
6	How you find our curriculum with respect to industry?	Life Long Learning	PO12					
7	How you rate our student with respect to communication skills?	Communication	PO10					
8	How you rate our student with respect to being open to new ideas and learning new technologies	Lifelong learning	PO12					
9	How do you rate our student with respect overall performance in terms of percentage contribution to your organization?	Adheres to all 12 Graduate Attributes	PO 1 to PO12					
10	Were you happy with the support you received from the college during placement drive?	NA	NA					

NA: NOT APPLICABLE

List of PEO's and POs is appended for your reference

Your detailed comments on our graduate employee

Gandhi Institute of Engineering & Technology (Autonomous)
Gunupur-765 022
Student EXIT Survey Form
Name of the Department:

Personal Details	
Name: _____	**Self-Mobile No** : _____
Branch: _____	**Fathers Mobile No:** _____
College Roll No_____ **Regd. No:** _____	**Mothers Mobile No:** _____
Email ID _____	**Home Land Line No:** _____

Permanent Address	Present Address
C/o _____	C/o _____
At: _____ Po: _____	At: _____ Po: _____
Via:_____ Dist.: _____	Via: _____ Dist.: _____
State: _____ Pin: _____	State: _____ Pin: _____
Parent Email ID: _____	Phone Number: _____

S.N.	Program Outcomes	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)	PO
1	Infrastructural facilities such as Library, Laboratories, Class rooms, workshops						
2	How was encouragement for students participation in various co-curricular activities (seminars, conferences, guest lecturers etc.,)						
3	How is quality of academic resources – say teaching faculty, course material, guiding projects etc.,						
4	Canteen, Hostel and other campus facilities.						
5	How was encouragement towards extracurricular activities						

6	How about mentoring facility						
7	Are you placed in the Campus?	YES/NO if Your answer is yes mention the name of the company:					
8	If going for Higher Studies, give details?						
9	Want to be Proud Alumnus?	Yes / No :					
10	Your suggestions for betterment:						

Signature of the Student