



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	GANDHI INSTITUTE FOR TECHNOLOGY (GIFT)
Name of the head of the Institution	Dr. SURYA NARAYAN PATTNAIK
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	06742561445
Mobile no.	7873008101
Registered Email	gift_bbsr@yahoo.co.in
Alternate Email	principal@gift.edu.in
Address	Gandhi Institute For Technology (GIFT), At:- Gramadiha, P.O:- Gangapada, City:- Bhubaneswar, Distt.:- Khurda,, Odisha-752054, India.
City/Town	Bhubaneswar
State/UT	Orissa

Pincode	752054																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. ALOK KUMAR MOHAPATRA																		
Phone no/Alternate Phone no.	06742111650																		
Mobile no.	9437208700																		
Registered Email	deaniqac@gift.edu.in																		
Alternate Email	dr.alok@gift.edu.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://college.gift.edu.in/website/AQAR-18-19.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://college.gift.edu.in/website/ACADEMIC-CALENDER-19-20.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.03</td> <td>2015</td> <td>15-Nov-2015</td> <td>14-Nov-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.03	2015	15-Nov-2015	14-Nov-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.03	2015	15-Nov-2015	14-Nov-2020														
6. Date of Establishment of IQAC	14-Jul-2015																		
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td colspan="3"> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries								
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IQAC		
Improvement of existing Collaborative learning system towards improvement of the teaching learning process.	12-Feb-2020 30	204
completion of 50	25-May-2020 30	25
Editing and development of revised standard SOP for internal evaluation of students internship.	12-Aug-2019 7	2298
Organisation of 4 IQAC meetings (on line mode during lock down due to COVID 19.)	22-Jul-2019 4	21
Organising more international conferences by each department.	18-Nov-2019 14	663
Participation in AICTE-CII survey.	19-Aug-2019 21	4
Increasing intake capacity in Diploma EE from 60 to 120, Opening new branch Mining in Diploma level, new branch as Industrial Engineering in PG level	17-Mar-2020 21	112
Completion of all processings required for renewal of NBA accreditation for EEE & ME department.	16-Dec-2019 60	820
Improvement in Alumni activity.	22-Jan-2020 3	936
View File		

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
GIFT/ME/ALOK KUMAR MOHAPATRA	FDP	TEQIP	2019 7	388000
GIFT/ME/AMAR KU DAS	SEMINAR	TEQIP	2019 2	240000
GIFT/AG/SATYANA NDA SWAIN	FDP	TEQIP	2019 7	376500
GIFT/ECE/SAUMEN	SEMINAR	TEQIP	2019	204750

DRA BEHERA				2			
No Files Uploaded !!!							
9. Whether composition of IQAC as per latest NAAC guidelines:				Yes			
Upload latest notification of formation of IQAC				View File			
10. Number of IQAC meetings held during the year :				4			
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website				Yes			
Upload the minutes of meeting and action taken report				View File			
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?				No			
12. Significant contributions made by IQAC during the current year(maximum five bullets)							
Completion of all processings required for renewal of NBA accreditation for EEE ME department.							
Devlopment of standard SOP for internal evaluation of students internship.							
Organising more international conferences by each department.							
Increasing intake capacity in Diploma EE from 60 to 120, Opening new branch Mining in Diploma level, new branch as Industrial Engineering in PG level.							
Implementation of Collaborative learning towards improvement of the teaching learning process.							
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year							
Plan of Action				Achivements/Outcomes			
Planned to conduct energy audit of GIFT campus by engaging external agency.				Energy audit completed and action taken as per report.			
To develop water conservation facility , planned for rain water harvesting in an area of 6000 sq. ft inside GIFT campus through Civil Engineering branch				Rain water harvesting in an area of 6000 sq. ft inside GIFT campus completed by students of B.Tech. Civil Engineering under the guidance of			

B.Tech. students (as student project).	department faculty.				
Planned to engage 25 faculty members of different department towards development/ updation of value added course curriculum.	25 Faculty members engaged & developed/ updated value added course curriculum successfully.				
Planned to enroll 85% of total students in value added courses conducted at GIFT.	83% of total students enrolled in value added courses.				
Planned to collect feed back from 95 Alumni, 50 Employer, 735 students & 100 faculty members related to questionnaires on Quality enhancement.	Feed back collected from 95 Alumni, 50 employers, 729 students & 100 faculty members.				
Planned to receive 70 lakhs grant from different funding agencies towards R&D activity.	Total R&D grants received 67.59 Lakhs.				
Planned for about total 200 publications by faculty members.	Total publications in journals = 207				
Planned to place 800 nos. of final year students (UG & PG) through ON/OFF campus drive.	682 students placed.				
Planned for final year students pass percentage to be 96%	Total 95% students passed.				
Planned to motivate 160 students to go for higher education.	153 students went for higher education.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th><th>Meeting Date</th></tr> </thead> <tbody> <tr> <td>Governing body</td><td>09-Nov-2020</td></tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing body	09-Nov-2020
Name of Statutory Body	Meeting Date				
Governing body	09-Nov-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	29-Jan-2021				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	05-Feb-2020				
17. Does the Institution have Management Information System ?	Yes				

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

COLLEGE MANAGEMENT SYSTEM: College Management Software automates from admission of students and beyond. It works better and smarter for administration, students, and faculty and enhances the communication between them. It captures personal, contact and course details of students. The software enables the student to submit online application forms for easy admission. Manage all enquiries registration using online forms. Real time status updates follow up with automatic reminders. Track enquiries enroll more students with dashboards reports. Centrally stores enrolment data of students in one place to send email and information alerts to students. Mark and track attendance records of students and staff. Automate attendance system with biometric integration for staff. Generate a variety of leave reports. Invoice options for tuition and other student fees. • Online payments with payment gateway interaction. Fee due alerts and payment remainder. Invoicing options for tuition and other student fees • Quick catalog search with advance search capabilities library. Configure rules for issue, returns and renewal of books. • Unique library management module is integrated with the other relevant modules of the software it manages all the activities carried out in a standard institutional library • Robust search engine for quick search by title, subject, author, keywords, publisher or year of publication. • Unique Id to every book. • Issue return function supported by Bar Code if Required. • Subscription expiry and renewal reminders for periodicals. Automatic record of fine imposed / dues receivable from members against late return of books and periodicals. • Engineering college management system is highly configurable, customizable, scalable and flexible, and ensures college leads get accurate reports about administration academic aspects for better decision making. • Unique id to every newly admitted student. • Address details such as permanent, correspondence, guardian etc. photograph can be stored. • All Student Scholarship report can be maintained. •

Creates useful MIS reports like daily fees received, outstanding amount, defaulter list etc. Employee management: • Provides Office information covers dept, Job profile, grade, etc., personal information. Processes salary of employees based on configurable components. Employees can view salary slip. Customizable deductions such as PF/IT/ PT. Generates monthly salary statement as per predefined format. Store Management: • Accepts requisition from different departments/departmental heads. • Generates purchase order to be sent to the vendors. • Generates quotations or request to be sent to empaneled vendors/ suppliers for stock. • Customized reports can be added as per requirement. • General accounting reports Ledgers, Cash book, Bank book, Purchase register, Sales register etc. Integrated with fees and admission modules, LAN connectivity. Internet facility is available for all systems in the whole campus. The entire campus is optically networked between buildings and cable within the buildings for connectivity.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Effective curriculum delivery process is in place in the organization for academic excellence and to get placements or to pursue higher studies. Courses of the curriculum are allotted to faculty based on their field of expertise and interest well before the start of the semester by the Head of the Department. Before the semester could start, course committee meeting is conducted by the course committee chairperson with other subject handling faculty. The university provides the syllabus with evaluation schemes and course objectives for every course. The prerequisite, course outcomes and programme outcome mapping, books to be referred, methods of instructional delivery are documented and this road map is approved by the Head of the Department. Course handling faculty will frame the lecture plan of delivery and prepare the lecture notes for all topics as in the curriculum and devise the assignment topics and tutorial problems which will be approved by the course committee chairperson, Head of the department and Principal before the commencement of the semester. At the start of the course, faculty will highlight to the students on the course objectives, outcomes of the course, contents of each unit and its applications in the related domain. In addition to traditional teaching methods, video lectures, NPTEL lectures, OHP, PowerPoint presentations, projects, case studies, etc are being conducted. Interactive learning is appreciated during the lecture classes and peer teaching is adopted by the

students for improvement in the teaching learning process. Students feedback about the portion coverage as per the lesson plan and suggestions for the improvement in teaching and learning process before and after each internal assessment test are addressed by the course handling faculty and Head of the Department in the class committee meeting . Guest lectures and Industrial visits are arranged to have industry exposure. To facilitate the active participation of students in the learning process, activity based learning activities are conducted by the students (Quiz, objective type questions etc.). The assessment of the course is done by assignments, two internal tests and model exam. In order to bridge the gap the curriculum, workshops and value added courses are conducted on regular basis on current topics as per the choice of students to enhance the technical skills. In laboratory courses, the objectives and outcomes of the laboratory is discussed in the first session and hands on session of all the experiments is facilitated by the course handling faculty Students are encouraged to take part in mini projects to implement the conceptual learning of the curriculum. At the end of the course, indirect assessment such as course end survey is done by all the students on the teaching process, delivery methods and the level of understanding of each unit in that course and Course outcome evaluation is carried out based on all internal tests, assignments, seminars, activity based learning methods etc., Students are encouraged to participate in NSS and other social activities so as to enable them to be socially responsible citizens.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
LATEX	NA	03/02/2020	20	Employability	Yes
Business English Certification	NA	04/11/2019	20	Employability	Yes
SOLIDWORKS	NA	12/08/2019	20	Employability	Yes
LABVIEW	NA	05/08/2019	20	Employability	Yes
PLC AND SCADA	NA	03/09/2019	20	Employability	Yes
SYSTEM VERILOG	NA	05/08/2019	20	Employability	Yes
REVIT ARCHITECTURE	NA	05/08/2019	20	Employability	Yes
PYTHON	NA	09/09/2019	20	Employability	Yes
ANDROID	NA	02/09/2019	20	Employability	Yes
SALES DEVELOPMENT BASIC PROGRAMME	NA	20/01/2020	20	Employability	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	MASTER OF BUSINESS ADMINISTRATION	08/07/2019
BTech	AGRIL/EE/EEE/ECE/CIVIL/MECH/CSE	08/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science Engineering	08/07/2019
BTech	Electrical and Electronics Engineering	08/07/2019
BTech	ELECTRONICS & COMMUNICATION N ENGINEERING	08/07/2019
BTech	MECHANICAL ENGINEERING	08/07/2019
BTech	CIVIL ENGINEERING	08/07/2019
BTech	ELECTRICAL ENGINEERING	08/07/2019
BTech	AGRICULTURE ENGINEERING	08/07/2019
MCA	MASTERS IN COMPUTER APPLICATIONS	08/07/2019
MBA	MASTERS IN BUSINESS ADMINISTRATIO N	08/07/2019
Mtech	COMPUTER SCIENCE & ENGINEERING	08/07/2019
Mtech	POWER ELECTRONICS AND POWER SYSTEMS	08/07/2019
Mtech	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	08/07/2019
Mtech	ENVIRONMENTA L ENGINEERING	08/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	952	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
SOFT SKILLS	11/09/2019	218
LANGUAGE AND COMMUNICATION SKILLS:	02/09/2019	457
LIFE SKILLS	06/07/2019	167
ICT/COMPUTING SKILLS	20/09/2019	367

[View File](#)

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
Mtech	CSE, Env, CTM, PEPS	125
MCA	MCA	55
BTech	Electronics and Communication Engineering	154
BTech	Electrical and Electronics Engineering	225
BTech	Computer Science Engineering	424
BTech	Mechanical Engineering	405
BTech	Civil Engineering	229
BTech	EE	77
BTech	Agriculture Engineering	83
MBA	MBA	147
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

1. Student feedback: Student feedback on the teaching and learning in the academic review meeting is addressed by Head of the department and concerned faculty handling the class. Student feedback on academics in the student representative meeting are addressed by the Principal. Also feedback is obtained at the end of the semester from students on the teaching process of the course handling faculty and any deviation observed, the concerned faculty is advised to improve on their performance by the Head of the department. 2. Feedback: Exit survey -This survey is obtained from the students at the end of the programme. The feedback on the level of attainment of the program outcomes of all the students are analysed and attainment score for each programme outcome is analysed and score of each programme outcome is considered in the overall programme outcome attainment score. If it is less than the target set in the department, then corrective measures are taken. 3. Feedback: Alumni survey. This survey is obtained from the alumni and the feedback on the level of attainment of programme educational objectives, programme specific outcomes and programme outcomes are analysed and corrective actions are taken. 4. Feedback: Employers feedback This is obtained from the employers in the placement cell and to cater the requirements of industry, placement cell and the concerned department will take the initiatives to strengthen the placement.

Industry related value added courses offered to reduce the gap between industry and academics. 5. Feedback: Parents feedback on the teaching and learning process is taken regarding improvement in communication skill, interview skill ,suggestions for further improvement is obtained. All the feedback are analysed in the department meetings, programme assessment committee and corrective actions are proposed for the overall development of the college. 6. Teachers Feedback: Teachers feedback on students performance is obtained through mentor/mentee system and TI PI system. Some part of the course curriculum which is not included in University Syllabus, is introduced as beyond syllabus experiment in laboratories. Invited lecturers ,workshops, seminars are organized to meet the challenge of advance technology .These are regularly analysed through the college CMS system.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Electronics and Communication Engineering	60	37	26
BTech	Electrical and Electronics Engineering	60	43	37
BTech	Electrical Engineering	60	15	12
BTech	Computer Science Engineering	180	186	171
BTech	Mechanical Engineering	120	66	57
BTech	Civil Engineering	60	29	24
BTech	Agricultural Engineering	60	58	46
MCA	MCA	60	59	55
MBA	HR, Marketing, Finance	180	156	147
Mtech	Computer Science Engineering	24	5	3
View File				

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution	Number of fulltime teachers available in the institution	Number of teachers teaching both UG and PG courses

			teaching only UG courses	teaching only PG courses	
2019	1896	537	106	22	17

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
145	139	12	46	6	6

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The rules and regulations of the examination system are strictly adopted by the institute as per the guidelines of the university (BPUT). In addition to this, the institution has made substantial measures to enrich and evaluate the performance of the students by designing few reforms in CIE at the institute level. • In order to assess the learning levels of the students, course outcomes are well defined as per revised Blooms taxonomy and mapped with POs and PSOs. Then proper lesson plan is prepared by the faculty members concerned in which appropriate content delivery and assessment tools. • As the institution has followed Outcome Based Education, it is clearly focused on student-centered learning practices such as experiential learning, participative learning, and problem- solving methodologies to assess the learning level of the students which are helping in internal evaluation. • Question papers for internal examinations are framed according to Blooms taxonomy. • Question banks for different subjects are prepared by the respective teachers and answers are prepared by the competent students which are verified by the teachers. • Internal questions are prepared not only from the text book but also from reference books to enhance the student their depth knowledge in the subject. • Laboratory experiments are conducted beyond syllabus to enhance their technical skills. • The students who present the laboratory seminar are given more weightage in the experiment. • Internal evaluation process is completed within two days after the end of internal examination. Then the evaluated scripts are shown to the students and the grievance if any are resolved immediately.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2438	145	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
145	145	Nil	6	32

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Harapriya Mishra	Associate Professor	Young Scientist Award from Odisha Environment Congress 2019
2019	Dr. Sujit Kumar	Professor	Mentor of team

	Panda		Code-Reccers from Smart India Hackathan, 2019
2019	Prof. Amar Kumar Das	Associate Professor	Sankarsan Jena memorial award, The Institution of Engineers (India).
2019	Dr. Nabnit Panigrahi	Professor	Gouri Shankar Sahu Memorial Award 60th Annual Technical Session, The Institution of Engineers (India).
2019	Dr. Sujit Kumar Panda	Professor	Mentor Proudly Award of team Coderecckers in Trithon
2019	Dr. Alok Kumar Mohaptra	Professor	Most Promising Researcher in Mechanical Engineering , Research Under Literal Access Awards from Rula Award
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	402	2/1, 4/2	11/05/2020	27/07/2020
Mtech	401	1/1, 3/2	14/12/2019	24/02/2020
MCA	302	2/1, 4/2, 6/3	16/05/2020	15/07/2020
MCA	301	1/1, 3/2, 5/3	24/12/2019	18/02/2020
MBA	202	2/1, 4/2	18/05/2020	22/06/2020
MBA	201	1/1, 3/2	24/12/2019	04/02/2020
BTech	102	2/1, 4/2, 6/3, 8/4	15/05/2020	01/07/2020
BTech	101	1/1, 3/2, 5/3, 7/4	23/12/2019	17/02/2020
View File				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The rules and regulations of the examination system are strictly adopted by the institute as per the guidelines of the university (BPUT). In addition to this, the institution has made substantial measures to enrich and evaluate the performance of the students by designing few reforms in CIE at the institute

level. • In order to assess the learning levels of the students, course outcomes are well defined as per revised Blooms taxonomy and mapped with POs and PSOs. Then proper lesson plan is prepared by the faculty members concerned in which appropriate content delivery and assessment tools. • As the institution has followed Outcome Based Education, it is clearly focused on student-centered learning practices such as experiential learning, participative learning, and problem-solving methodologies to assess the learning level of the students which are helping in internal evaluation. • Question papers for internal examinations are framed according to Blooms taxonomy. • Question banks for different subjects are prepared by the respective teachers and answers are prepared by the competent students which are verified by the teachers. • Internal questions are prepared not only from the text book but also from reference books to enhance the student their depth knowledge in the subject. • Laboratory experiments are conducted beyond syllabus to enhance their technical skills. • The students who present the laboratory seminar are given more weightage in the experiment. • Internal evaluation process is completed within two days after the end of internal examination. Then the evaluated scripts are shown to the students and the grievance if any are resolved immediately.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The institution strictly follows the academic calendar of BPUT for conducting examinations both internal and end semester. The academic calendar provides the date of commencement of the academic session, submission of internal examination marks, the duration of the semester, the period of internal assessment tests, practical examination schedule, end semester examinations, etc. In addition to this the institutional academic calendar is prepared by the Dean Academics in support with the Principal, IQAC and respective HoDs with reference of university calendar for smooth conduction of all academic and non-academic activities with list of holidays. • For internal examination of theory papers, Professor-In-Charge of examination section is prepared the schedule of examination, seating arrangement, and invigilation duty list. • For theory courses, CIE is conducted for 50 marks with four modules, such as class test, quiz test, surprise test and assignments. The class tests are marked out of 30 marks. The quiz test is marked out of 10 marks. The surprise test is marked out of 5 marks. The assignment is marked out of 5 marks. These tests are conducted according to academic calendar of the institute for the convenience and effective preparation of the students. • Faculty members send their question(s) with Blooms Taxonomy to the examination cell well before from the commencement of the examination. • For Lab courses, each experiment carrying 25 marks. The performance is marked out of 10 marks, lab record is from 10 marks and viva-voce is from 5 marks. Marks for each experiment are entered in CMS as well as laboratory attendance in regular basis. The marks of each lab experiment of the students are displayed in the laboratory notice board. • For Project courses, internal marks are awarded by the Project Review Committee based on various parameters. • Apart from the academic activities other activities like cultural activities vacations are also mentioned in academic calendar. The academic calendar is strictly adhered to and all the activities are must be scheduled as per the plan.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://college.gift.edu.in/website/mech/co.shtml>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
404	Mtech	Construction Technology & Management	23	21	91.3
407	Mtech	Environmental Engineering	18	16	88.89
301	MCA	MCA	71	68	95.77
201	MBA	MBA	117	112	95.73
107	BTech	Mechanical Engineering	189	179	94.71
106	BTech	Electrical and Electronics Engineering	91	84	92.31
105	BTech	Electrical Engineering	32	29	90.63
104	BTech	Electronics Communication Engineering	117	111	94.87
103	BTech	Computer Science Engineering	65	59	90.77
102	BTech	Civil Engineering	108	99	91.67
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://college.gift.edu.in/website/Student-Satisfaction-Survey-2019-2020.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	365	TEQIP-III	2.4	2.4
View File				

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Skill Development program	ALL	10/07/2019
Workshop On Research Presentation Skills	ALL	17/10/2019
Seminar On Importance Of Internships For Skill And Employability	ALL	25/01/2020
A seminar on Research for Production and Application of Bio-based packaging	ALL	04/02/2020
Seminar on Innovation on Data Science Machine Learning	ALL	11/02/2020
Seminar On Research and Development in sustainable developments in green technology for smart cities	ALL	14/02/2020
Workshop of Research and Innovation through Student exchange program	ALL	17/02/2020
Seminar on Latest technology in Fiber Next Generation Fiber	ALL	27/02/2020
Seminar on National Awareness in Research	ALL	27/02/2020
Seminar on Innovation on Sustainable Construction	ALL	13/03/2020
Talk on Innovation and Research -An interaction and discussion	ALL	18/03/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
COVID-19 SAMADHAN, MHRD Mega Online Challenge	Satyajit Nayak	AICTE-MIC	12/05/2020	Student Innovators
View File				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	01/12/2020
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
10	12	4

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
BSH	2
CSE	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ELECTRONICS AND COMMUNICATION ENGINEERING	23	1.5
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ELECTRONICS AND COMMUNICATION ENGINEERING	21
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Wind Flow and Temperature Variation in High-Rise ApartmentIt's Analysis	Rama Chandra Parida	International Journal of Research in Engineering and Science (IJRES)	2019	2	GIFT, Bhubaneswar	5
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nill	Nill	Nill	2019	Nill	Nill	Nill
View File						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	120	27	6	1
No file uploaded.				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Relief work during Fani cyclone	Robinhood Army, NSS	7	75
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Relief work during Fani cyclone	Certificate of Appreciation	Bhubaneswar Municipality Corporation	75
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Samaj Seva	Robinhood Army, NSS	Relief work during Fani cyclone	7	75
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Industry visit	Students/Faculty	GIFT	30
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	CTTC	01/07/2019	30/07/2019	STUDENTS
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
The Institute of Engineers	17/06/2019	Enhancing Skills and Competency enhancements, Short term course and training, Training and Certification program, Joint Seminars, Workshops etc	300
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
230.1	228.08

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
GILMS	Fully	2.0	2009

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
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Text Books	31975	7396678	1244	573042	33219	7969720
Reference Books	5945	1973740	45	14940	5990	1988680
e-Books	885	2013163	75	260704	960	2273867
Journals	273	557199	50	126712	323	683911
e-Journals	2539	2070184	740	475672	3279	2545856
Digital Database	3	168740	1	13570	4	182310
CD & Video	302	Nill	24	Nill	326	Nill
Library Automation	1	80250	Nill	Nill	1	80250
Weeding (hard & soft)	10	3930	3	985	13	4915
Others(s pecify)	2	209000	Nill	Nill	2	209000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Prof Prassana Rout	Engineering Mathematics II	GLCS (Gift Lecture Capturing System)	12/07/2019
Prof. Madan Mohan Sahu	Production Operation Management	GLCS (Gift Lecture Capturing System)	30/07/2019
Prof Satyajit Nayak	Python	GLCS (Gift Lecture Capturing System)	07/08/2019
Prof. Kedar Nath Hota	Robotics	GLCS (Gift Lecture Capturing System)	30/08/2019
Dr.R.N.Panda	Basic Electronics	GLCS (Gift Lecture Capturing System)	20/03/2020
Prof Manisha Devi	Engineering Physics	GLCS (Gift Lecture Capturing System)	16/11/2019
Prof Satya Sobhan Panigrahi	Programming with Java	GLCS (Gift Lecture Capturing System)	10/12/2019
Prof. D. Venugopal	Organizational Behaviour	GLCS (Gift Lecture Capturing System)	23/12/2019

		System)	
Dr.Biswaranjan Parida	Entrepreneurship Development	GLCS (Gift Lecture Capturing System)	27/12/2019
Dr. Mousumi Panda	Performance Management	GLCS (Gift Lecture Capturing System)	11/01/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	712	7	712	3	1	4	13	110	0
Added	0	0	0	0	0	0	0	0	0
Total	712	7	712	3	1	4	13	110	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

110 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
GLCS	Nil

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
46	45.63	340	339.08

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Gandhi Institute For Technology(GIFT) has impressive infrastructural facilities to carry out Teaching learning, research oriented and administrative services. The college campus is spread over 11 acres with well-structured building with various computing facilities, and collaborative working practices to work in a team so as to facilitate learning and motivate to add values to discover. A metamorphic building with ICT classrooms, labs and well equipped offices with latest technology will facilitate interactive and collaborative research working practices and learning. The Institute has ample numbers of class rooms, ICT rooms, seminar rooms, conference hall and laboratories, provides students with state-of-the-art learning spaces. The classrooms have features that include screens for projecting shared material and student work. The Institute also equipped with departmental library with Centralized library having reading hall for 100 students. There is also a highly advanced language laboratory with Globarena Software, to motivate students to enhance their

communication skills and personality development like gesture, posture body language. For the smooth conduction in the academic as well as administrative activities personal systems with internet connectivity is provided to all staff members. Open Auditorium with 1000 capacity is available for various cultural and literary activities of the students. Renewable energy (solar), solar plant is established with 179KWP Software for online in house resources booking facility has been developed to optimally utilize the physical resources. Campus wide Networking 100 mbps WI-Fi and CCTV facility is available in the college. A well-equipped Medical room with basic facilities is in the campus and having a regular Doctor appointed. A Govt Hospital is situated nearer to college campus College has its own Ambulance for facilitating the students and staff during medical emergency. To accommodate the students coming from distant places, the college has two boys and one girl's hostels. Transportation facilities are also provided for student and staff staying outside campus. A SBI ATM is available in the college campus. Other facilities includes clean drinking Water with RO system Staff Canteen, student canteen, girls and boy's rest room, women's rest room, telephone, sports room and Gymnasium are available in college campus. It has innovation gallery wherein creative and patented projects are displayed. Campus vigilance and security system plays a vital role in the primary facilities. GCE Incubation Center was set up in 2015 to foster entrepreneurship and promote innovation and is functioning effectively.

https://college.gift.edu.in/website/policy_2019-20.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Balaram Panda Trust Scholarship(BPT)	1575	27478000
Financial Support from Other Sources			
a) National	AICTE , PMSSS Scholarship (For JK Students) Prerana Scholarship(Odisha) Medhabruti Scholarship(Odisha) National Scholarshi p(Minority) National Scholarshi p(Tripura) Christian Scholarship National Scholarship for Paramilitary e-KALYAN SCHOLARSHIP	1602	57437320
b) International	NIL	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implemetation	Number of students	Agencies involved
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enhancement scheme		enrolled	
Remedial coaching	08/11/2019	110	Internal faculty
Computer Skills (MS-Office)	20/09/2019	367	Internal Faculty
Language Communication	01/07/2019	1320	Internal Faculty
Soft skill development	07/08/2019	1362	Confidence Factory, Bhubaneswar
Personal Counselling Mentoring	03/07/2019	1041	Internal Faculty
Yoga Meditation	06/07/2019	681	Patanjali Yoga Samiti ,Khordha

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	APTI / RESO / SOFT SKILL TRAINING	180	1041	Nil	584

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	1

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
INFINITE COMPUTER SOLUTIONS	125	12	TCS	135	17

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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2020	32	B.Tech	Electrical Electronics Engineering	CET, IGIT, G IFT, RCM, TRID ENT	M.Tech, MBA
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	130
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Festronix	State	738
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	CENTURION STATE LEVEL VOLLEY BALL CHAMPION	National	1	Nill	1701298206	DIGBIJAY SINGH
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Class Representatives are nominated from all classes starting from the 1st year to the 4th year on the basis of their academic, co-curricular and extra-curricular performances. Councils are constituted comprising these members. They are exposed to the rules and regulations pertaining to Academics and Administration. They act as a bridge between the students and teachers and top administration of the college. The Council takes up the cases, issues, grievances of the students with higher authorities to get it redressed. Innovative ideas relating to studies, syllabus and exam system are taken up with senior teachers, Dean Academics and Principal. In the process of doing all these works, students learn about the leadership traits, strategic planning and its efficacious implementation. Seminars, Workshops and Different types of presentations are organised by these Student Councils. Besides, Academic and Administrative work, the Council also raise funds for various kinds of social activities, community activity and other charitable works in the nearby villages. It also involves in other societal works in emergency situations.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Gandhi Institute For Technology (GIFT), Bhubaneswar has a registered Alumni Association which is known as GIFAA. It comprises the students who have graduated from the college and also the staff who have completed three years of service in GIFT. Election for its office bearers is held once in two years and all office bearers get a two year term. All the office bearers have got honorary posts. The members contribute a sum of Rs. 500/- as life time membership of the association. However, if one wishes to contribute more can do so. Every year Chapter wise Alumni Meets are organised in different cities and Annual Alumni Meet is conducted during 3rd / 4th week of December in the College .Expenditure on any Alumni related activities are borne from such contributions only. Alumni Coordinator is compensated with a monthly remuneration from the contributions received and other office bearers are honorary members. President, Secretary and other members of the Association meet at regular intervals to hold executive body meetings to chalk out plans for the year. Regular interactions with junior students for personality development, technical skill development and ensuring good placement for them remains on the top of the agenda.

5.4.2 – No. of enrolled Alumni:

567

5.4.3 – Alumni contribution during the year (in Rupees) :

283500

5.4.4 – Meetings/activities organized by Alumni Association :

Annual meeting held in the college campus along with zonal meet at Pune
Bangalore

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Two Practices of decentralization and participative management are Decentralization of financial power and Student Governance. The institution practices decentralization and participatory management in keeping with its belief in collective leadership and democratic traditions. A particular reflection of this practice may be seen in the extensive delegation of authority to the Heads and faculties of the various Departments in the college. The ways in which the faculties of Departments participate in the Management Process: The Head of the Department oversees the Teaching Plans of his/her departmental members. There are different associations in which students teachers participate and take decisions and conduct various activities. The Heads of Departments take decisions regarding academic innovations and other related activities in consultation with staff. Faculties are assigned with the responsibilities such as Departmental Administrative in-charge, Academic in-charge, Library in-charge, Lab in-charge and Accounts in-charge and are considered vital members of decision making body. Weekly departmental meeting is conducted to discuss the issues and scope for improvement. One faculty is nominated as Academic Coordinator of a department. He / She lead the team of Class Academic Coordinators. Class wise faculties are appointed as Class Academic Coordinators. They ensure the implementations of departmental rules and policies in their respective classes. Academic review meeting is conducted twice a semester. The meeting is headed by HOD. Faculties and CRs from each class attend the meeting to discuss issues related to academic, placement and other co-curricular activities. Faculties suggest making adjustments in the routine, to allot teaching assignments and evaluation duties. They enjoy the

privilege of attending departmental meetings where the programs for the entire term are decided. They often take the lead in planning seminars, workshops, career counselling sessions, remedial measures, interdepartmental or/and inter-college exercises, departmental excursions and study tours. They decide on the nature, pattern and duration of special and remedial classes for the students of his/her department. Faculties even take the initiative, at times to organize alumnae chapters of the department within the larger framework of the Alumnae Association of the college. The Head and departmental teachers enjoy total flexibility in planning and organizing different activities of the department. Faculties are nominated as member of Central Budget Committee and actively take part in allocation of fund for different departmental activities. There is a departmental budget provision for different seminars, workshops, study tour, guest lectures and conferences. HOD and faculties are in charge of these and expenditure is done with the approval from this committee. Faculties nominated as Professor in - charge Labs are involved in planning and purchasing of Lab equipment. We have a provision of fund for student projects. Faculty in charge of student projects take decisions on selecting projects to be funded. The faculty nominated as PIC RD is responsible for allocation of funds to support faculties for attending FDP, workshop, STTP and research projects.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Being an affiliated college, the development of the curriculum is carried out by the university and there the members of our college participated the in the in the process development. The IQAC cell and Academic Consultative Committee recommend that topics beyond the regular curriculum to be included.
Teaching and Learning	To ensure the state of the art lab facilities new teaching pedagogy like Field trips, lab exercises/ seminars, peer-to-peer teaching are organised for different category of students. The guiding standard behind workshops is to ensure that students can link theory with practices, apply their knowledge and develop new skills. We ensure a perfect blend of classroom teaching ICT enabled teaching so that the students are motivated all the times. Every Thursday, all the faculty members assemble and discuss different aspects of the teaching learning process, starting from curriculum to pedagogy, best practices, latest trends in knowledge and industry. Each course module plan is presented discussed. Also we conduct various workshops to ensure that our students get hands on experience in addition to the

theoretical knowledge. Internships have been offered for the better understanding of technologies. Project oriented learning methods are implemented. Brain storming session and collaborative learning is conducted once in a week to encourage multidisciplinary research activities.

Examination and Evaluation

The college monitored and periodically evaluated the activities of the Examination Cell to ensure the continuous and comprehensive academic evaluation of students and the timely conduct of examinations. The examination schedule and evaluation details are given in the College Handbook issued to the students and faculty members at each beginning of the academic year. Examination marks and the sessional marks were evaluated and displayed to assess learning outcome and identify areas and strategies for improvement. A Malpractice Prevention Cell functions effectively to ensure a fool proof examination system, various committees were constituted such as Exam Squad, Invigilation Committee and Result Publication Committee.

Research and Development

Research committee is active in the institution. It motivates faculties and students to participate in conferences, seminar workshop as well as Ph.D. and other research activities. Central library is always kept open and update for research work. The Institute was approved By BPUT as Research Centre for BPUT. It is a collaborative RD Project center of NALCO for Research Project on Nano Fluid. It believes that formalized research groups can have a positive effect on the quality of individual research to the group research cutting across the departments. The ongoing work in the research areas are Gas Turbine Engine/Combined Cycle, Alternative Fuel/renewable energy, Manufacture Characterization of Composite Materials etc. There are various research journals, book chapters are made by the faculties and students are published. Faculty projects like Alumina-Graphite composite for high temperature Application and Production and Properties of NALCO Alumina Nano fluid is the ongoing projects.

Library, ICT and Physical
Infrastructure / Instrumentation

The library is the cornerstone of our institute. It has more no books and subscribed National International Journal along with several online journals. The library functions as an excellent resource center for students and staffs to pursue their academic, research and training interest. The latest Books and materials in the fields of Management, Engineering, Computer and allied disciplines are subscribed to the library on regular basis. .. The Institute has library space in excess of AICTE norms with adequate seating capacity. We also subscribe Elsevier, IEEE online journals and e-books. NPTEL video courses are being used by staffs and students to enhance their skills. We have LCD enabled classrooms with Wi-Fi/LAN and seminar halls with ICT facility. The campus has all sorts of facility available inside. Standby power generators are provided in the campus to take care of the occasional power shut down. It is wholly self-contained campus comprising of mostly everything that students on campus would ever require.

Human Resource Management

The HR cell in the college is maintained to keep the public relation and the proper utilization of human resources in the college. Faculty members are encouraged to attend training Programs, Orientation programs and refresher Courses. Transparent and scientific way of recruitment with the formulation and communication of policies of the college is maintained. The cell is also taking care of support for academic advancement, adopting systematic performance appraisal system and guidance to the people concerned with the systematic promotion policies. Recruitment of staffs is based on merit according to the reservation policy made by the board. Faculties are always encouraged and facilitate to update their knowledge and pedagogy. Engagement in research recreational facilities is also provided in the campus for all.

Industry Interaction / Collaboration

Apart from the regular academics and research activities in the college, most importantly the TP cell plays a vital role in the employment. To materialize these the college has set

up a committee called Industry-Interface Cell (IIC) consisting of experts of different domains conducting the training programs for a proper execution and evaluation of the department. The institute has constituted TI/PI Cell and It has Industry representatives for suggestions with regards to curriculum development and other academic activities. The TP cell continuously strives for networking with industries for placements and internships. The Institute has signed MOU with many reputed companies like Red Hat Academy, Microsoft, Synergy consultants, Geometric software MOU with Siemens is in process. These MOUS are signed for mutual benefits, mainly for value added courses, Certification courses, internships, incubation centers projects. Also The institute has signed MOU with Institution of Engineers (India)for collaborative academia and research.

Admission of Students

The students are eligible for admission in the institute under the rules and regulations stated by BPUT and AICTE. JEE Main and Odisha JEE (OJEE) student entry programmes are available for admission of B.Tech students. The GATE and OJEE qualified students are admitted to M. Tech course and those qualified with CAT, MAT, XAT, PGAT and ATMA are directly admitted to MBA stream through OJEE counselling. The MCA admission is done through OJEE, for the students having minimum academic qualification Bachelor's degree and Mathematics as a subject in class XII or in graduation.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	GIFT is accredited with both NAAC and NBA process, which leads to the process of autonomy. This accreditation shows and encourages the institute to maintain the qualitative as well as quantitative services related to both academic and non-academic activities of the institute. The management provides all the necessary input for improving the teaching and learning process, the placements etc. to achieve these benchmarks. In the near future, the institute also expected to hold NIRF,

	ISO and QS rankings.
Administration	<p>Facilities like Google, Google Docs, Google Forms, and Google Drives etc. are used to achieve the paperless operations. The college has the implementation of biometric attendance for teaching and non-teaching staffs which are also used for the administration purposes. Electronic communications like Gmail, WhatsApp, Telegrams etc. are used for establishing communication with the students for the early, accurate and smooth functioning of the activities. ICT has been introduced in the Administrative work. The college campus would include CCTV cameras at every place of need.</p>
Finance and Accounts	<p>The college uses the software for E-governance through in-house CMS for transparent functioning of finance and accounts department of college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conduct regular audit of annual books of account. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the books of accounts properly which helps in auditing procedure. The payment of salary to the faculty and staff is done through electronic clearance deposited in the bank. The payment of student fees is also received through NEFT/RTGS mandates. Payment to affiliating bodies other stake holders is also done online through portals.</p>
Student Admission and Support	<p>The college has the separate modules in the CMS for admission purpose. After taking admission through OJEE counselling students report at the college. During the reporting, the detail information of the student is stored in the college CMS. Then through his CMS login the student can access his own account with all the required information available. Filling of admission form, scholarship form, student registration form etc. are done by the candidate and the same being updated in the CMS.</p>
Examination	<p>The College Management System of GIFT has the required modules of various</p>

exam activities like: Internal examinations and laboratory mark entry. The examination is taking care of the questions paper made for all various types of questions following the blooms taxonomy. The examination module in CMS is taking care of the result analysis, performance evaluations and all the related issues. As GIFT is a designated examination paper evaluation centre, all the communications are carried out through the online process as desired by the university. The examination cell is well-equipped with scanners, printers, computers and internet facilities.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Abhijit Mangaraj	Industrial Training on Building Structural Analysis using FEAST, SCE, KIIT University from 3rd March to 7th March 2020.	Nill	1500

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Faculty Development Programme on Orientation Of Newly Admitted Students By ECE Department	Nill	01/07/2019	06/07/2019	42	Nill

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Orientation on Newly admitted students, GIFT Bhubaneswar	5	01/07/2019	06/07/2019	6

[View File](#)

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
5	5	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Leave, EPF, Vehicle scheme, TA/DA, Funding Research, Uniform, Loan Policy, Conference and training support, Medical facility	Leave, EPF, Loan Policy, Medical facility, Uniform	Travel concession in study tour, finance for project work, 24 hour Ambulance and Free medical facility, Balaram Panda Trust Scholarship, Industrial visits, Cafeteria, Scholarship, Free Journals, Extra curricular Activities.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

GIFT, conducts statutory audit covering all financial and accounting activities of the Institute. This includes scrutiny of the following: (a) All receipts from fee, donations, grants, contributions, interest earned and returns on investments (b) All payments to staff, vendors, contractors, students and other service providers. 3. All observations/objections are communicated through their report. 4. Chartered Accountant of the Institute conducts regular accounts audit and certifies its Annual Financial Statements. All Utilization Certificates to various grant giving agencies are also countersigned by the CA. All Financial Statements have been certified by the CA. 5. Work of Internal Audit of the Institute has been entrusted to the Internal Auditor of the Institute. This is mainly pre-audit of major receipts and payments and concurrent/post audit of all other receipts and payments. He also pre-checks salary fixations, pension and gratuity payments and final payments of GPF. Internal Audit was being conducted in each month from 25th to end of the month by Internal Auditor Lal Das Co. External Audit was also being done by a chartered Firm of the institute Lal das Co after completion of the financial year for the Institute and the same have been submitted after the end of every year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Jai Kar Techno Pvt. Ltd.	40000	FESTRONIX (ANNUAL TECH-FEST)
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO,NBA, BPUT	Yes	IQAC
Administrative	Yes	ISO, Chartered Accountant	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Mentoring System 2. Parent Teacher meeting is regularly conducting in each semester where parents Grievances are addressed in the meeting. Feedback is collected from the parents. Actions have been taken according to the feedback. 3. Career Council Program 4. A Special Orientation Programme is conducted for the parents along with the newly joined Students on the first day of the college.
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6.5.3 – Development programmes for support staff (at least three)

1. The Supporting staff are encourage to improve their skill by enrolling inNSDC program like Draughtsman,MMAW, SMAW. 2. Operating System (Excell and Word) course was conducted for Supporting Staff. 3. The supporting staffs are encouraged to visit CTTC and center of excellence IN CUTM.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. The Supporting staff are encourage to improve their skill by enrolling inNSDC program like Draughtsman,MMAW, SMAW. 2. Operating System (Excell and Word) course was conducted for Supporting Staff. 3. The supporting staffs are encouraged to visit CTTC and center of excellence IN CUTM. 4. Improvement of Teaching Learning Process 5. Feedback of all Stake Holders 6. Modernization of MIS 7. MOU with Industries 8. Academic and administrative audit 9. NBA reaccreditation
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6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
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2019	Organisation of 4 IQAC meetings (on line mode during lock down due to COVID 19.)	22/07/2019	22/07/2019	05/06/2020	4
2019	Organising more international conferences by each department.	18/11/2019	18/11/2019	21/02/2020	663
2019	Participation in AICTE-CII survey.	19/08/2019	19/08/2019	28/09/2019	21
2020	Increasing intake capacity in Diploma EE from 60 to 120, Opening new branch Mining in Diploma level, new branch as Industrial Engineering in PG level	17/03/2020	17/03/2020	15/04/2020	112
2019	Completion of all processings required for renewal of NBA accreditation for EEE ME department.	16/12/2019	16/12/2019	28/02/2020	820
2020	Establishment of one NSDC approved skill training centre at GIFT for students skill training. Incomplete due to Corona.	06/01/2020	06/01/2020	30/06/2020	9
2020	Establishment	18/02/2020	18/02/2020	30/06/2020	4

	ent of one Livelihood busuness incubator through MSME support scheme. Incompleted due to Corona.				
2020	Improvement of existing Collaborative learning system towards improvement of the teaching learning process.	12/02/2020	12/02/2020	21/03/2020	204
2020	completion of 50 processing work in connection with renewal of NAAC accreditation of college.	25/05/2020	25/05/2020	30/06/2020	25
2019	Editing and development of revised standard SOP for internal evaluation of students internship.	12/08/2019	12/08/2019	22/08/2019	7
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on women research promotion schemes	26/07/2019	26/07/2019	155	132
A talk on	12/08/2019	12/08/2019	126	117

"Women in science & technology".				
Debate competition on "Are women being empowered or is it just restricted to debates?"	19/09/2019	19/09/2019	162	139
Free HB and weight check up camp	14/11/2019	14/11/2019	135	137
Legal Awareness program: MCQ competition on legal rights of women	26/11/2019	26/11/2019	126	118
Discussion on Vishaka guidelines against sexual harassment at workplace	05/12/2019	05/12/2019	38	41
Poster presentation on "educate girl child"	23/01/2020	23/01/2020	6	9
Rangoli competition on "beti bachao, beti padhao"	08/02/2020	08/02/2020	24	12
International women's day	05/03/2020	05/03/2020	39	23
Awareness raising program on "everyday sexism: see it, name it, stop it"	11/03/2020	11/03/2020	34	15

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Total power requirement Per month (units): 56000 units Renewable energy source Per month: Solar PV System Renewable energy generated and used Per month: 33600 units Energy supplied to the grid: 1350 units

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1

Ramp/Rails	Yes	1
Rest Rooms	Yes	Nil
Scribes for examination	Yes	Nil
Braille Software/facilities	No	Nil
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	1	04/07/2019	340	Job	Provided job to the local people in the college campus	12
2019	2	2	15/08/2019	1	Tree Plantation	For green village	30
2019	1	Nil	01/07/2019	340	Transport Facility	College buses are provided to students and faculties for coming to college	600
2019	1	1	02/10/2019	1	Clean Village Drive	Cleanliness of the village	35
2019	1	Nil	07/07/2019	40	Outing	Every Sunday the college buses are provided to students to go for outing	240

						purpose	
2019	1	Nill	01/12/2019	14	Pool Campus	GIFT is centre to many pool campus drive	96
2019	1	Nill	21/12/2019	8	Study Tour	Every year for every branch students study tours of 1,3 7 days are provided to make them aware of practical knowledge related to subjects.	355
2020	1	Nill	16/01/2020	1	Industrial Visit	1 day industrial visits are done to make students familiar with the working environment of industries	330
2020	1	Nill	02/01/2020	60	Evaluation Center	GIFT is the BPUT evaluation centre of semester exam for 8 colleges	58

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Hand Book	01/07/2019	Reviewed and revised.
Employee Hand Book	01/07/2019	Reviewed and revised.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
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Independence Day	15/08/2019	15/08/2019	450
Republic Day	26/01/2020	26/01/2020	480
Cancer Awareness Program Umeedein	01/12/2019	01/12/2019	150
Engineers Day	15/09/2019	15/09/2019	250
E-Waste Awareness Program	02/10/2019	02/10/2019	200
National Unity Day Celebration	31/10/2019	31/10/2019	150
Run For Unity	19/10/2019	19/10/2019	10
Public Awareness program for wearing helmet	16/01/2020	16/01/2020	340
Induction Program by Rama Krishna Mahanta	01/08/2019	07/08/2019	470
Expert Talk on Moral Issues in the Profession	23/01/2020	23/01/2020	340
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Green Landscaping with trees and plants Students and staffs using Public Transport Solar Panel Rain Water Harvesting LED Lights Solar Street Lights

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title of the practice Collaborative Learning Objective The primary purpose of this initiative is to create a platform that will give us the chance to share our knowledge about different technical proceedings, occurrences and the experience gained with due course of time by attending various seminars, workshops, by guiding projects, consultation or by experience. Context Success isnt about what we have accomplished its about what we have inspired others to achieve. Through this initiative, we aim to foster vision and strengthen professional ties and at the same time, open the window for new conversations and opportunities to grow more as an individual and as a Team-GIFT. Practice we have come up with an initiative of Collaborative Learning Groups to ensure continuous learning advancement, knowledge sharing and knowledge dissemination among all faculty members. It is an innovative idea where the knowledge acquired by one faculty member should be shared and disseminated to all other faculty members. The associates depending upon their department and common area of interest, are divided into three groups. Group-A consists of associates from CSE/IT/MCA and ECE Dept. Group-B consists of associates from EE/EEE, Mech and Civil Dept. and Group-C consists of associates from MBA, Agriculture and BSH Departments. The SPOC and Respective Assistant SPOCs will be responsible for the smooth conduction of the Collaborative Learning of the respective groups. .The respective SPOCs will be responsible for preparing the agenda circulating proceedings well in time. On Thursday, one group will be in charge of managing the Hobby Clubs, while the other two groups will be engaged in deliberating technical sessions in a suitable place which will be intimated from time to time by the SPOC of Collaborative Learning Group. It is expected that the concerned Assistant SPOC of the Group will circulate the topic/area of the

discussion well in advance with the name of the Experts in the concerned area to all concerned. The experts will disseminate his knowledge in the subject/area with the appropriate presentation tool or by the physical display of the model or the subject under consideration. The session will be followed in discussion mode where the other members of the group will participate. The associates will be allowed to change group as per their personnel interest or subject area of interest by taking due permission from their respective SPOC of the Group and SPOC of the initiative. The associate will be permitted to change the group once in six months. In this Pandemic situation we are participating on online Collaborative Learning session. Recently we have attended Collaborative Learning session on the topics like "National Education Policy" and "Tools and Techniques for Research Publication." Evidence of success Faculties are willingly participating and delivering presentation on different subjects and sharing those with students also. Problems Encountered If faculties will get more time to prepare for the presentation it will be much more effective. Resources Required Experts need to be outsourced for Collaborative session. Best Practice-2 Title of the practice Alumni Meet Objective The objective of alumni meet is to establish a rapport among professionals to interact about latest developments in different fields. It encourages an everlasting relationship among the alumni and the institute. It's an initiation to include the alumni in the developmental activities of the students. The bond of the institute with the alumni is forever. It creates a feeling of brotherhood and fraternity among all which establish a harmonious relationship. Alumni relationships establish many benefits to both the institution and the alumni. Alumni have very special and delicate relationship with the institute and as a result they are the most trustworthy supporters of the college. They are like the wealth and property of the organization. This network has a real life benefit for current students through number of innovations. The Context Alumni Meet is really beneficial for the existing students. Alumni contribute their valuable time to support the current students in building of their career. The alumni have regular contact with the students those are pursuing their education. Alumni play an active role in shaping the career of the existing students. The alumni have great dedication and gratitude for the institution and they also help funds voluntarily. This network is beneficial to the college. Now because of social media we are easily connected with our alumni. The Practice We are trying to engage our alumni through different means depending on their skills and interest. Some of the alumni are also working in our institute. We are celebrating the success of our alumni as much as we can and we have alumni blogs also where they share their experience also. Our Institute organises Alumni Meet each year. We have four alumni whats App group, one telegram group, one fb group, 450 almaa member (Almaa connect) and every year we meet students from different regions. The following are detailed activities organized by our alumni association during the session. Bangalore Chapter alumni Meet Pune Chapter Alumni Meet Bhubaneswar Chapter Alumni Meet A talk on the topic "My start up Journey How to make a career in digital marketing" by Abhisekh Satpathy (2013, IT branch) On 13th February 2019. The association suggested no. of activities and program for the welfare of students. The Alumni Committee has been established the tie among alumni and the institute which establishes an active network of alumni all over the globe. In this year Er. Patitapaban Panda (Vice Chairman), Dr. S. Krishan Mohan Rao (Principal), Dr. P.K Subudhi (Dean Academic), Mr. Mihir Kumar Rout (Dean Admin), Mr. Niladri Bihari Ray (Dean Corporate Affairs), Mr. Susant J Das (Lead Corporate Affairs and Faculty Advisor), Mr. Bikash Chandra Das (AO HR), Mr. Tapan Kumar Panda (Assistant Dean Academics), Mr. Vivek Sharma (Registrar) all our HODs, all our SPOCs and faculty members and students contributed their active support to make this event a grand success. Evidence of success Alumni feel relax after meeting with their teachers and friends. They give their valuable feedback and suggestions for the betterment of institute and Alumni

Association. Our existing students are greatly influenced and learned from the alumni. Problems Encountered This time because of because of cricket match some alumni could not attend the program. Resources Required One Alumni Chamber is required

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://college.gift.edu.in/website/Best-Practice-19-20.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

In GIFT, the concept of the research group is used to mark a formal organisational level as an engine of productivity of research from the departmental level to the institutional objective. GIFT believes that formalised research groups can have a positive effect on the quality of individual research to the group research cutting across the departments. It plans sequence of actions. RD has created a distinctive vision, priority and thrust in our institute. It is completely based on thoroughness of the planning, adequacy of industry training of students and faculty members. It is well formed on supply and reserve of support services of system. The following aspects of RD have been a continuous practice of GIFT: Publications GIFT is proud to share the massive research work from all the departments. GIFT considers that research and publication complement teaching and training and furthermore facilities connecting the students to the new developments happening across the globe. Students of GIFT are encouraged to work in research project and publish their work in reputed journals and conferences. Total number of publications per year is 230 to 250. This year is also not an exceptional to this. The publications are in different journals including UGE Care, Peer reviewed journal, Scopus and Science web. Patent GIFT continuously encourages all the stakeholders in critical thinking, innovation and translation of its innovative idea to a Patent. GIFT strongly believes in creating an environment where innovation is a key and has been successful in publishing patents in various technologies and fields. The faculty members of Gandhi Institute for Technology had successfully published a patent jointly with 'Chilika Development Authority'. The journal was published by Govt. of India. Students of GIFT have developed a mobile application CDA which is available in Google Play Store. A collaborative unmanned Ariel vehicle system, A device for easing the anxiety of a user, A digital device based for inducing safety for user, A hybrid Oriya system, System and method for agricultural grievance management, System and method for mapping, system and method for managing association and dis-association files among users entities securely, System and method for automatically detecting plagiarism, A novel selection algorithm based on similarity theory, IoT based integrated device and system for health analysis are the patents obtained by GIFT. Incubation Centre Incubation Centre has been one of the important vision and mission of GIFT. GIFT has encouraged all the stakeholders to come forward to recognize one's potential in building GIFT as one of the primary hub of incubation centres. Gandhi Institute for Technology is declared as Industry Centre of Excellence. It has signed with group of Industries like CISCO Networking Aademy, AWS Academy, Microchip Academic Programme, Paloalto, Red Hat Academy and Blueprism University.

Provide the weblink of the institution

<https://college.gift.edu.in/website/ID-19-20.pdf>

8.Future Plans of Actions for Next Academic Year

• Autonomous Status • Permanent Affiliation UGC 12 (F) UGC 12 (B) • NBA Accreditation of Civil, MBA and MCA • Research Centres • Incubation Centre • Establishing at least one Centre of Excellence • To achieve top position in affiliated colleges of BPUT • 100 Placement in core companies • Good Number of University Ranks • To enhance the employability skills of students • Increased RD Activities • To get an NIRF ranking • To improve ARIIA Ranking