



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	GANDHI INSTITUTE FOR TECHNOLOGICAL ADVANCEMENT (GITA)
Name of the head of the Institution	MANMATHA KUMAR ROUL
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0674-2538660
Mobile no.	8260045006
Registered Email	principal@gita.edu.in
Alternate Email	gita@gita.edu.in
Address	At-Badaraghunathpur, PO-Madanpur, Dist-Khordha, PIN-752054
City/Town	BHUBANESWAR
State/UT	Orissa
Pincode	752054

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Prof. Narasinga Prasad Patro			
Phone no/Alternate Phone no.		06742538660			
Mobile no.		9078075042			
Registered Email		nppatro@gita.edu.in			
Alternate Email		dir.training@gita.edu.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://www.gita.edu.in/IOAC/AOAR/AOAR%202018-19.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://gita.edu.in/IOAC/AOAR/acd1920.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.30	2015	11-May-2015	10-May-2020
6. Date of Establishment of IQAC			15-Jun-2015		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries	

Strengthening Mentorship Programme	29-Jun-2020 365	3057
Strengthening Summer Internship	06-Jan-2020 60	1292
Pre-placement Training	19-Aug-2019 120	514
Coaching for Higher Studies	18-Nov-2019 120	514
Value Added Courses	22-Jul-2019 220	589
Academic calendar prepared & monitored as a benchmark for various academic activities	26-Jul-2019 02	28
External Academic Audit for the year	16-Jul-2020 02	54
FDP on Industrial Revolution Four point zero	17-Feb-2020 06	186
Recommendation system towards data science	09-Mar-2020 01	214
International conference on recent advances in computer science, soft computing, and information technology	20-Dec-2019 03	382
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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
Principal, GITA Bhubaneswar	International Conference on Recent Advance in Computer Science, Soft Computing and Information Technology	BPUT TEQIP III	2019 02	447500
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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

4

year :	
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)

1.One National Conferences was on Advance in Material, Energy, Communication and computing conducted during the year 2.One International Conference was conducted on Recent Advances in Computer Science, Soft Computing and Information Technology during the year 3.Two patents with application no. 201931040018 201931048062 got published during the year 4.One FDP was conducted on the emerging subject of Industry 4.0 5.The students exchange programme was implemented with our paired Institution College of Engineering, Pune under the Ek Bharat Shrestha Bharat program of Govt. of India.

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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
Workshop on Trend analysis of ecommerce websites using deep learning	Organised by CSE Department and was sponsored by TEQUIP III BPUT
National Conference on Advance in Material, Energy, Communication and computing	Organised by Electrical Engineering Department and was sponsored by TEQUIP III BPUT
A workshop will be organised on Novel techniques to estimate the concentration of floride in mines water with the combination of photonics and machine learning technique.	Organised by ECE Department and was sponsored by TEQUIP III BPUT
Entreprenerurship Awareness Camp for students	Organised by EDP & IIPC and was sponsored by EDII and DST
Student Exchange programme under Ek Bharat Shrestha Bharat programme	Six days exchange programme was organised with College of Engineering, Pune under Ek Bharat Shrestha Bharat
A Project on Simulation and Performance analysis of Electrical Power System using Benchtransmission line simulation	Project done by Electrical Engineering Department
FDP on Industry four point zero and Robotics	FDP Conducted by Electrical Engineering Department

International Conference on Recent Advances in Computer Science, Soft Computing and Information Technology	International Conference was Conducted by CSE Department
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Governors	05-Aug-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	18-Mar-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	10-Feb-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>1. Admission - Admission modules help in admission process of all UG and PG students of the institute. They facilitate data collection, segregation, and preparation of reporting status of candidates in the institution with their complete personal data. The module also helps in allotting the different sections to the students and preparing the attendance sheet. 2. Examinations - This module takes care of the exam activities in the form of collection of the question papers, collection and compilation of continuous internal evaluation and submission of marks and sending them to the University in due time for declaration of results. 3. Administration - The day to day data related to attendance of faculty and nonteaching staff is part of this module which also helps in monthly salary payment to all employee of the institute including maintenance of leave records. 4. Academic Activities -</p>
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The information related to the students' details, classes, Lesson Plans, course details, class status, attendance analysis, and other related information is part of this module. 5. Stores Management - This module helps in vendor registration, tender procedure used for procurement of consumables and equipments, the repair and maintenance of institute's infrastructure such as receiving tenders, preparing comparative statements, preparing orders and getting the necessary administrative approvals of the procurement placing orders. It also keeps a record of existing stock. 6. Time Table - Preparation and display of academic calendar and timetables. 7. Attendance - The Institute has online attendance recording system. All students and teachers register their attendance. This attendance system is connected to the attendance module of the ERP which provides analysis part and facilitates decision making related to attendance absenteeism. 11. Leave Management - Through this module all faculty members of the institute apply for the types of leave they are entitled to and their application goes for necessary approval and record of total number of leaves consumed throughout the year. And the balance leave available with the applicant are maintained. 12. Faculty service records - This module keeps service record of all faculties. 13. Fees Payment - Students through this module can pay their annual tuition fee, exam fee and other fees using online mode. 14. Accounts and Finance - Institutes' accounts and finance department use its accounts and finance modules for their day-today accounting.

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

The College follows the curriculum developed by at Biju Patnaik University of Technology, Rourkela, Odisha. The college draws up an annual academic calendar at the start of every academic year. The College Principal sets the time table schedule for and teaching subject which includes lecture hours, realistic classes and holiday list. The department head holds instructional preparation

sessions to prepare and coordinate lecture schedules and spread the syllabus to their departmental faculty members. The faculty members are advised to complete the syllabus within stipulated time by the head of departments. If a faculty fails to complete its syllabus within the stipulated period for some reason, he / she will be asked to arrange extra classes for his / her subject. New text books & reference books are ordered according to the guidance of the university as well as the subject teachers and the students. Teachers have adopted teaching methods for the implementation of the curriculum as per the specially developed GITA Teaching & Learning Methodology which includes presentations, assignments and seminars, quiz tests, surprise tests, etc. for successful learning. The university's Board of Studies sets the subjects' curriculum. The institution also plans to integrate courses and value-added courses to meet business requirements and close the gap between academia and industry. The college provides daily circular notifications via the university's letters and emails about the program improvements or modifications. The Principal tells departments concerned with curriculum changes and requests for the lesson to be prepared accordingly. Faculty Members get all sorts of help from college to execute the program. Timely meetings are held and instructions are given as per plan for submitting assignments and performing unit tests and class exams, and publishing the results before the semester review. Additional FDPs are performed in the subject areas and outside the syllabus to encourage Faculty members. The organization has developed bridge courses to fill the void between business standards and the program the affiliating university has embraced.

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
ADDITIVE MANUFACTURING		21/11/2019	45	EMPLOYABILITY Y	YES
AI FOR EVERYONE		06/01/2020	28	EMPLOYABILITY Y	YES
ADVANCED WELDING		12/11/2019	30	EMPLOYABILITY Y	YES
ANSYS		14/01/2020	120	EMPLOYABILITY Y	YES
ARDUINO		18/03/2020	45	EMPLOYABILITY Y	YES
AUTO CAD		07/10/2019	120	EMPLOYABILITY Y	YES
BUSINESS ENGLISH CERTIFICATE		22/10/2019	180	EMPLOYABILITY Y	YES
CATIA		16/03/2020	45	EMPLOYABILITY Y	YES
CYBER SECURITY AND APPLICATION		04/07/2019	90	EMPLOYABILITY Y	YES
DBMS		21/06/2019	120	EMPLOYABILITY Y	YES
EXCEL TO MYSQL:ANALYTIC TECHNIQUES		12/02/2020	42	EMPLOYABILITY Y	YES

INDUSTRIAL AUTOMATION	16/07/2019	18	EMPLOYABILIT Y	YES
IOT	07/01/2020	120	EMPLOYABILIT Y	YES
JAVA	15/01/2020	120	EMPLOYABILIT Y	YES
MIGRATING TO CLOUD COMPUTING	12/02/2020	120	EMPLOYABILIT Y	YES
PROGRAMMABLE LOGIC CONTRO LLER (PLC)	07/01/2020	90	EMPLOYABILIT Y	YES
PYTHON	06/02/2020	90	EMPLOYABILIT Y	YES
QUANTUM COMPUTING	12/10/2019	135	EMPLOYABILIT Y	YES
ROBOTICS	06/02/2019	90	EMPLOYABILIT Y	YES
SCADA	15/01/2020	90	EMPLOYABILIT Y	YES
STAD. PRO	22/10/2019	45	EMPLOYABILIT Y	YES
TOTAL STATION SURVEY	08/06/2019	75	EMPLOYABILIT Y	YES
DIGITAL MARKETING	25/11/2019	60	EMPLOYABILIT Y	YES
WEBSITE DESIGNING	16/12/2019	60	EMPLOYABILIT Y	YES
ENTREPRENEUR SHIP FOR CREATING BUSINESS	06/01/2020	26	EMPLOYABILIT Y	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	COMPUTER SCIENCE AND INFORMATION TECHNOLOGY	02/09/2019
BTech	COMPUTER SCIENCE AND TECHNOLOGY	02/09/2019
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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 AND ENGINEERING	05/08/2019

BTech	COMPUTER SCIENCE AND IT	02/09/2019
BTech	COMPUTER SCIENCE AND TECHNOLOGY	02/09/2019
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	05/08/2019
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	05/08/2019
BTech	ELECTRICAL ENGINEERING	05/08/2019
MBA	MBA	05/08/2019
MCA	MCA	05/08/2019
Mtech	PRODUCTION ENGINEERING	05/08/2019
Mtech	THERMAL ENGINEERING	05/08/2019
Mtech	POWER SYSTEM ENGINEERING	05/08/2019
Mtech	COMPUTER SCIENCE AND ENGINEERING	05/08/2019
BTech	MECHANICAL ENGINEERING	05/08/2019
BTech	CIVIL ENGINEERING	05/08/2019

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

	Certificate	Diploma Course
Number of Students	1618	0

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
PREDICTIVE ANALYTICS	09/09/2019	80
RASBERRY PI WTH PYTHON	03/02/2020	58
CLOUD COMPUTING	16/09/2019	92
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	ME	256
BTech	CSE	318
BTech	ECE	111
BTech	EE	92
BTech	EEE	94
BTech	CE	168
MBA	MBA	167
MCA	MCA	85
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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

The institutions Academic Council has set a benchmark of 70 as a sufficient standard of input and is updated when appropriate. The Institution receives input from individual faculty members through the Deans office, Academics, twice in a semester. The feedback collection mode is via on-line (e-feedback system) to ensure device transparency. The data obtained from the reviews are carefully analyzed by the Dean, Academics and are held for consideration within the institutions Academic Council. After comprehensive review and debate, the Academic Council recommends the Departmental Academic Committee to take remedial action for faculty members who have received recommendations for further progress on less than 70 scores. The Department Academic Committee advises the faculty members concerned to attend Faculty Development Program as a first step. In a second step towards change, the faculty members concerned are encouraged to accompany the senior faculty members to the class and take note of the standard of teaching and mode of delivery. This is also recommended that they follow the teaching methods of senior faculty members in order to gain better skills. The faculty member who acquires the highest input is recommended for an accelerated increase along with the annual increase. He / She is often rewarded by the head of the organization with a letter of appreciation. In addition, the IQAC also collects input from all its stakeholders, such as parents, industries where the institutions students are working. Feedback from students who have gone out of the institution this year is also being sought. The IQAC carefully analyzes all the feedbacks received and eventually places its report before the institutions Academic Council with appropriate recommendations and corrective steps. After intense debate, the Council formulates new ways of developing the students.

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	COMPUTER SCIENCE AND ENGINEERING	189	0	189

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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 teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2019	655	255	201	31	5
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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
237	237	6	81	14	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)

An engineering graduate during the four years of the course is subjected to many phases of life where a personal touch coupled with educational and professional guidance is very vital. And this is achieved through our “Student Mentoring System.” For finer nuances e.g. career options or fear of a subject/course need greater involvement of the mentor. A designate mentor remains with the respective mentees for the entire four years. A similar system as discussed above, namely ‘Faculty Advisor’ exists in this college since its inception. This system is put diligently into practice and certainly helps in improving the overall academic experience of the students. In the process ‘Mentoring System’, each faculty is the mentor of maximum 20 students. First years will have mentors from the Department of Basic Sciences and Humanities and in other years the students will have mentors from their parent departments. Responsibilities of a Mentor: 1. Meet the mentees at least once in a week. 2. Continuously monitor, counsel, guide and motivate in all academic matters. 3. Aid in choice of electives, project, summer training etc. 4. Contact parents/guardians if needed, e.g. academic irregularities, negative demeanour, detrimental activities etc. 5. Advise students in career choices. 6. Keep in touch even after their graduation. 7. Suggest HODs for administrative action. 8. Maintain a detail progressive record of the student. 9. Maintain a record of all discussions with students. Responsibilities of HOD: 1. Meet all mentors of his/her department at least once a month to review the proper implementation of the system. 2. Advise mentors. 3. Initiate necessary administrative action. 4. Keep the Principal informed. Responsibilities of Academic committee: 1. It will discuss mentoring related issues at least twice in a semester and take steps. 2. To advise the students regarding choice of electives, projects, summer training, etc. 3. To counsel and motivate the students in all academic matters either directly or indirectly. 4. To guide the students in taking up extra academic and professional activities for value addition. 5. To contact the parents/guardians of the students in case of their academic irregularities, behavioural changes, etc, through the Head of the Department or College.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3131	237	13:21

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
237	237	0	9	87

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	Prof. Dr. Gopinath Palai	Professor	University Foundation Day Research Award

2019	Prof. Kali Prasanna Swain	Associate Professor	Day Research Award
2019	Prof. Chandra Sekhar Mishra	Assistant Professor	Foundation Day Research Award
2019	Prof. Dr. P.K.Parida	Professor	Best Technical Paper Award, Digital India Conclave

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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
MBA	NA	SECOND/2020	03/10/2020	19/10/2020
MBA	NA	FOURTH/2020	20/10/2020	30/10/2020
MCA	NA	SECOND/2020	03/10/2020	19/10/2020
MCA	NA	FOURTH/2020	20/10/2020	30/10/2020
MCA	NA	SIXTH/2020	20/10/2020	30/10/2020
BTech	NA	SECOND/2020	03/10/2020	19/10/2020
BTech	NA	FOURTH/2020	20/10/2020	30/10/2020
BTech	NA	SIXTH/2020	20/10/2020	30/10/2020
BTech	NA	EIGHTH/2020	09/08/2020	19/08/2020

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

The college also follows criteria for internal college evaluation system. The college displays all the circulars and notices on notice boards from time to time. The system provides ways and means to ensure its credibility, transparency and reliability. 1. Class Tests (30): The College conducts two class tests, as prescribed by the university, in each semester of 15 marks each. The questions are set as per the pattern of the university semester examination covering all the modules taught in the classroom as per the lesson plan. The answer papers are evaluated by the faculty members and are shown to the students for verification and revision. 2. Assignment (5): The faculty members of the department design the assignments so meticulously that the students will practice consistently to acquire competence in solving the complex engineering problems. The assignments are made as per the chapters taught in the class with practical applications to the engineering problems. The students are asked to submit the assignments and the faculty members return the assignment copies after making necessary corrections and discussions with the students. 3. Quiz Test (5): The faculty members conduct quiz tests in the classroom. The questions are set in multiple choices and each student is asked to answer the questions in turn. 4. Attendance (5): The college strictly follows the attendance of students for appearing semester examination and award of internal marks. The students having more than 75 attendance are awarded with marks and students having less than 75 are asked to attend extra classes to compensate the shortage of attendance. 5. Surprise Test (5): Such tests are

conducted after the end of each module without any prior notice. The questions are set comprising all the chapters of the module. The teachers examine the answer papers and award marks out of five to each student. The absentees of the tests are asked to appear another surprise test on another day. 6. Seminar: Seminars are conducted for all students in classroom on selective and assigned topics related to subject. Presentation skills, subject knowledge, communicative ability, responses given to questions are the criteria to evaluate the performance of the students. 7. Project-work: Every student has to undergo a mini project and a major project during the programme. The faculty members of the department guide the students in designing and analyzing projects based on the complex problems of engineering. The students are required to prepare project report based on field assigned to them. The teachers evaluate the projects on the basis of the field work done by the students and active participation for completion of project. The students are awarded with grades after successful completion of the assigned projects. 8. Practical Exam: It is mandatory to conduct practical exams for all the engineering students. Practical exams are conducted in college in accordance with prescribed syllabus. In this activity, each student is asked to appear a test on experiment and has to face viva-voce along with questions asked by the external examiners.

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

The IQAC has taken an active role in the preparation of the Academic Calendar of the institution for two days from 20/07/2019 to 22/07/2019. Members comprising of both teaching and non-teaching staff members attended the meeting and expressed their valuable suggestions for the preparation of the Academic Calendar and smooth monitoring for its successful implementation. After vivid discussion and with a reference to the Academic Calendar prepared by the Biju Patnaik University of Technology, all the members unanimously agreed to formulate the proposed calendar which is to be placed before the Governing Body for approval. After obtaining due approval from the Governing Body, the Academic Calendar was circulated and uploaded in the website of the institution.

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://www.gita.edu.in/gita/department/cse.html>

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
	BTech	Computer Science and Engineering	189	185	99

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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://gita.edu.in/IQAC/AQAR/SSS.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
Major Projects	365	BPUT TEQUIP 111	195000	195000
Minor Projects	365	BPUT TEQUIP 111	257700	257700
Major Projects	365	BPUT TEQUIP 111	292270	292270

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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 Intellectual Property Right	IIPC	17/02/2020

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
Energetic and Exertic investigation of a N20 Ejector expansion	Mr. Pranay Mohanty	C V Raman College of Engineering	30/11/2019	STUDENT
Baad Vivad	Mr. Maheswar Suna	IIT BHUBANESWAR	14/09/2019	STUDENT
University Foundation Day Research Award	Prof. Chandra Sekhar Mishra	BPUT	17/12/2019	Faculty
University Foundation Day Research Award	Prof. Kali Prasanna Swain	BPUT	17/12/2019	Faculty
University Foundation Day Research Award	Dr Gopinath Palai	BPUT	17/12/2019	Faculty

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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
GITA INCUBATION CENTER	Dr Sarat Kumar Swain	GITA BHUBANESWAR	Smart bed for disabled persons	Health and Welfare	08/01/2020
GITA INCUBATION CENTER	Dipesh Gaurav, Debi Prasad Samal, Shivam Giri	GITA BHUBANESWAR	Nayabazar	Education	09/12/2019

GITA INCUBATION CENTER	Abhinav Prakash, Ankit Jaiswal, Raj Shankar Tiwari, Suraj Singh, Gauri Panda, Aparna Singh	GITA BHUBANESWAR	Snake bite patient management portal	Social Welfare	13/11/2019
GITA INCUBATION CENTER	Dipesh Gaurav, Shankar Chakrovorty, Rishabh Raj	GITA BHUBANESWAR	getmycolleges.com	Education	18/11/2019
GITA INCUBATION CENTER	Saurav Panda	GITA BHUBANESWAR	paperbooks.in	Education	23/12/2019
GITA INCUBATION CENTER	Suraj Singh, Viswajit Sahu, Amit Upadhya, Anku Sinha	GITA BHUBANESWAR	eliterankers.com	Education	27/01/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
120000	420000	0

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

Name of the Department	Number of PhD's Awarded
Not Applicable	0

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	Computer Science and Engineering	14	3.2
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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
MASTERS IN COMPUTER APPLICATION	15
MASTERS IN BUSINESS ADMINISTRATION	59
BASIC SCIENCE AND HUMANITY	45
COMPUTERS SCIENCE AND ENGINEERING	93
ELECTRICAL AND ELECTRONICS ENGINEERING	12
ELECTRONICS AND COMMUNICATION ENGINEERING	125

ELECTRICAL ENGINEERING	36
CIVIL ENGINEERING	42
MECHANICAL ENGINEERING	65
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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
A New Approach to Economic Load Dispatch by using Improved QEMA based Particle Swarm Optimization Considering Generator Constraints	DR S KS DASH	IRJET	2020	0	GITA BHUBA NESWAR	1
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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
A Genetic Algorithm-Based Approach for Test Case Prioritization	Sudhir Kumar Mohapatra	Communications in Computer and Information Science	2019	4	2	GITA BHUBA NESWAR
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	92	50	13	4
Presented papers	78	23	0	0
Resource persons	24	18	19	3
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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
BLOOD DONATION CAMP	YOUTH RED CROSS AND NSS, GITA BHUBANESWAR IN COLLABORATION WITH CENTRAL RED CROSS CAPITAL HOSPITAL, BHUBANESWAR	16	189
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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
PLANTATION PROGRAMME	PRAKRUTI BANDHU AWARD	HORTICULTURE DEPARTMENT	285
LIQUOR FREE ODISHA	TRUE NEIGHBOUR	YOUTH CLUB, MADANPUR	167
HEALTH CHECK UP CAMP	HEALTH FOR SOCIETY	IMS BHUBANESWAR	203
WOMEN EMPOWERMENT WORKSHOP	NARI JAGRITI AWARD	BADARAGHUNATHPUR WORKING MAHILA ASSOCIATION CLUB	78
BLOOD DONATION CAMP	HIGHEST UNITS AWARD	REDCROSS SOCIETY	189
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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
SOCIALRESPONSIB ILITY	GITA VINTAGE IN COLLABORATIONWI TH STUDENTCOUNCIL	FREE COACHINGTO POOR SCHOOLCHILDREN OFNEARBY VILLAGEMADANPUR	14	36
BLOOD DONATION CAMP	YOUTH RED CROSS AND NSS, GITA BHUBANESWAR IN COLLABORATION WITH CENTRAL RED CROSS CAPITAL HOSPITAL, BHUBANESWAR	BLOOD DONATION CAMP	16	189
PLANTATION PROGRAMME	NSS, GITA BHUBANESWAR IN	PLANTATION PROGRAMME	26	285

	COLLABORATION WITH HORTICULTURE DEPARTMENT OF GOVT. OF ODISHA			
AWARENESS CAMP FOR LIQUOR FREE ODISHA	NSS, GITA BHUBANESWAR IN COLLABORATION WITH THE YOUTH CLUB, MADANPUR	PROHIBITION	22	167
AIDS AWARENESS PROGRAMME	GITA VINTAGE IN COLLABORATION WITH NSS, GITA BHUBANESWAR	AIDS AWARENESS PROGRAMME	35	194
DENTAL CAMP	NSS, GITA BHUBANESWAR IN COLLABORATION WITH CORAL DENTIST, BHUBANESWAR	DENTAL CAMP	7	155
SWACHH BHARAT ABHIYAN	NSS, GITA BHUBANESWAR IN COLLABORATION WITH THE YOUTH CLUB, MADANPUR	SWACHH BHARAT ABHIYAN	34	123
GENDER SENSITIZATION	WOMENS CELL, GITA BHUBANESWAR IN COLLABORATION WITH SWABHIMAN	GENDER SENSITIZATION	25	85
No file uploaded.				

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
RESEARCH	TEACHERS	GITA BHUBANESWAR	15
TRAINING	STUDENTS	GITA BHUBANESWAR	21
STUDENT EXCHANGE CAMPS	TEACHERS, STUDENTS	GITA BHUBANESWAR	7
INTERNSHIP	STUDENTS	GITA BHUBANESWAR	60
TRAINING	NON TEACHING STAFF	GITA BHUBANESWAR	2
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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	ACC CEMENT, BARAGARH, GENERAL MANAGER	21/05/2020	09/06/2020	16
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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
PARLEY G BISCUIT	11/06/2019	INDUSTRY VISIT ON ENTREPRENEURSHIP AWARENESS CAMP	524
JUPITER PUBLIC SCHOOL	10/09/2019	DESIGN AND CONSTRUCTION OF NEW ACADEMIC BUILDING	124
M/s RADIANT CONNECT, MANCHESWAR	07/10/2019	ERP IMPLEMENTATION	76
NAVA BHARAT VENTURES LTD	18/11/2019	INDUSTRY VISIT	248
CTTC	09/12/2019	VALUE ADDED COURSE ON ADDITIVE MANUFACTURING	228
JUPITER WOMENS SCIENCE COLLEGE	20/12/2019	ACADEMIC SOFTWARE INSTALATION AND DEMONSTRATION	84
No file uploaded.			

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
860.5	778.72

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
Video Centre	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
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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 partially)	Version	Year of automation
LIBSYS	Fully	6.0	2008
DSPACE	Fully	6.3	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23550	10619100	750	338187	24300	10957287
Reference Books	7700	2702000	260	104000	7960	2806000
e-Books	1560	410000	1200	330000	2760	740000
Journals	110	333000	21	94500	131	427500
e-Journals	1100	1640670	510	765000	1610	2405670
Digital Database	90	158900	12	22800	102	181700

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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
No Data Entered/Not Applicable !!!			
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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	972	15	972	2	5	10	10	210	0
Added	120	4	120	0	0	0	0	0	0
Total	1092	19	1092	2	5	10	10	210	0

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

250 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
E-LIBRARY	https://www.gita.edu.in/gita/footerlink/gallery.html
E-CONTENT DEVELOPMENT CENTRE	https://www.gita.edu.in/gita/footerlink

	/gallery.html
AUDIO VISUAL CLASSROOM	https://www.gita.edu.in/gita/footerlink/gallery.html
COMPUTER CENTRE	https://www.gita.edu.in/gita/footerlink/gallery.html
CONTENT PRESENTATION ROOM	https://www.gita.edu.in/gita/footerlink/gallery.html

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
235.5	209.45	545	492.1

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)

The institution has a specific organizational structure for maintaining and utilizing the infrastructure and facilities. The Dean, Administration looks after the overall maintenance and provision of facilities to the students. He is assisted by a team under the direct supervision of the Administrative Officer.

The institution has eight departments working for maintenance and facility. Each department is provided with office bearers for smooth-functioning so that there will be no hindrance in maintenance. Laboratories: The laboratories are maintained under the supervision of the Heads of the departments. There are faculty-in-charge for each laboratory. The consumables and the maintenance of the laboratories are made in consultation with the Head of the departments which are later approved by the Dean, Administration. Library: The library comprises of the Librarian and other supporting staff members. There is a faculty-in-charge to look after the maintenance and utilisation of the library properly. The day to day maintenance is done under the supervision of the Librarian and any type of financial involvement is done through the faculty in charge after due approval from the dean, Administration. Sports Complex: The college has employed three PETs and a gym instructor for the students. The maintenance of the playground and sports complex is done under the supervision of the Chief PET in consultation with the dean, Administration. Computers: The computers of the institution are maintained by the Department of Computer Science and Engineering. The institution has appointed a hardware engineer for proper maintenance of the computer. Necessary maintenance works are identified by the Hardware Engineer and placed before the Head of the Department of Computer Science and engineering who allows the maintenance after due approval from the Dean, Administration. Electrical Maintenance: The earth pit of the institution is maintained in a regular interval of two months. The earth pit maintenance is supervised and certified by the HOD, Electrical Engineering Department. All hazardous installation places are displayed with caution boards. A logbook of electrical maintenance is maintained regularly by the Administrative Officer of the institution. General Maintenance: The civil structures have regular maintenance like repairing, plastering where required and colouring of the college building and hostels. All other day to day maintenance is supervised by the Administrative Officer who reports the Dean Administration and necessary maintenance work is carried out after his approval. The detail organisational structure of the Maintenance department is uploaded on the website of the institution.

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	Merit Scholarship	278	2780000
Financial Support from Other Sources			
a) National	National Scholarship	593	18139200
b) International	NIL	0	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 enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
ANSYS	11/07/2019	88	CTTC, BHUBANESWAR
BRITISH ENGLISH CERTIFICATE COURSE	13/12/2019	154	BRITISH COUNCIL

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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
2019	COACHING FOR HIGHER STUDIES	514	514	82	443
2019	VALUE ADDED COURSES	589	589	82	443
2019	PRE-PLACEMENT TRAINING	514	514	443	443
2019	STUDENT PARTICIPATION IN INTERNATIONAL CONFERENCES	382	382	443	443

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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
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		redressal
2	2	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
64	443	369	12	146	74
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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
2020	91	BTech, MBA, MCA	Mechanical Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, MBA, MCA, Civil Engineering	XIMB, KIIT, SOA, IIT, XUB	M Tech, MS, 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
GATE	88
CAT	3
Civil Services	2
Any Other	2
GRE	3
GMAT	6
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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
FOOTBALL	INTER-COLLEGE	75
VOLEYBALL	INTER-COLLEGE	66
BASKETBALL	INTER-COLLEGE	68

BADMINTON	INTER-COLLEGE	32
TABLE TENNIS	INTER-COLLEGE	25
STREET THEATRE	INTER-COLLEGE	22
SONG COMPETITION	INTER-COLLEGE	26
BAND COMPETITION	INTER-COLLEGE	32
DANCE COMPETITION	INTER-COLLEGE	46
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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
No Data Entered/Not Applicable !!!						
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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)

There is a nominated Student Council in the institution which gets involved in all student-related activities. The Council comprises of students from all the years irrespective of departments and nominated by the Heads of the Departments of the institution. The Council is nominated on the basis of academic performance in the previous semester, attendance in the current semester, the impression of the mentor and achievements in co-curricular and extra-curricular activities. The Council takes an active role in all the students' related activities such as academics, administration, co-curricular and extra-curricular activities of the institution. The Council takes an active role during the collection of student feedback and holds regular meetings with the principal regarding the performance of teachers in the classroom and other academic activities. The student Council is consulted at the time of preparation of Academic Calendar. The Student's council provides an opportunity for students to develop their leadership skills through active participation in college administration and students collaboration. The student council performs the following functions: 1. Organizing cultural activities and sports activities for students. 2. Communicating problems faced by students to Principal and management of the college. 3. Maintaining discipline in the college campus. 4. Maintaining college campus clean and green. 5. Participation in extension activities like Swachh Bharat Abhiyan, Tree Plantation, Yoga Day, Blood Donation etc. 6. They give their suggestions for the purchase of books, magazines for the library. 7. Campaign for a ragging - free environment in the College. The members of the Students' Council are also members of various committees of the institution such as 1) Anti-Ragging Committee 2) Athletic Committee 3) NSSCommittee 4) Alumni Association 5) Anti-Sexual Harassment Cell 6) AnnualMagazine Committee 7) Cultural Committee 8) Technical Societies 9) DisciplineCommittee 10) Hostel and Maintenance Committee 11) Committee for preparation of the academic calendar.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Academic Calendar. The Student's council provides an opportunity for students

to develop their leadership skills through active participation in college administration and students collaboration. The student council performs the following functions: 1. Organizing cultural activities and sports activities for students. 2. Communicating problems faced by students to Principal and management of the college. 3. Maintaining discipline in the college campus. 4. Maintaining college campus clean and green. 5. Participation in extension activities like Swachh Bharat Abhiyan, Tree Plantation, Yoga Day, Blood Donation etc. 6. They give their suggestions for the purchase of books, magazines for the library. 7. Campaign for a ragging - free environment in the College. The members of the Students' Council are also members of various committees of the institution such as 1) Anti-Ragging Committee 2) Athletic Committee 3) NSS Committee 4) Alumni Association 5) Anti-Sexual Harassment Cell 6) Annual Magazine Committee 7) Cultural Committee 8) Technical Societies 9) Discipline Committee 10) Hostel and Maintenance Committee 11) Committee for preparation of academic Calendar

5.4 - Alumni Engagement 5.4.1 - Whether the institution has registered Alumni Association? Yes GITA Alumni are the flag bearers of their Alma Mater. The Alumni Association of GITA, Bhubaneswar is a registered association as GITA VINTAGE under SOCIETY REGISTRATION ACT OF 1860, BBS, No. 1987-63 of 2014-2015 from 18 November 2014. GITA goes global with the Alumni located with their underlining presence across many countries of the world. Most of the alumni pursue their career in research and development, M.S. and PhD in foreign and top Indian Universities, incorporate and multinationals and top positions in government and private sectors. Most significantly, quite a few GITA Alumni are visible entrepreneurs and into many start-ups as well. They contribute huge efforts into charity, social works and social awareness campaigns to support a cause of humans existing for fellow humans. Few of their charitable programs include teaching unprivileged school kids from the villages near GITA, providing teaching and playing gadgets at orphanages and in deaf and blind schools across Bhubaneswar, organizing counselling camps for mental wellness, extending their supports to a few old age homes in the city and to stand for people during natural calamities. Its BANGALORE CHAPTER is there, working for the last two years for the fellow GITANS in creating opportunities for the deserving candidates in software and corporate sectors. Besides GITA Vintage organizes lectures by eminent alumni in different fields, provides a platform for training, skills and placement programs. GITA Alumni Association is a run-way for its fellow members to take off as a successful technocrat and to land as a good human being. Seven hundred and fifty students have been enrolled as alumni in the year 2019-20.

5.4.2 – No. of enrolled Alumni:

9664

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

1596000

5.4.4 – Meetings/activities organized by Alumni Association :

1 Meeting yearly, 4 Social Responsibility activities such as 1) FREE COACHING TO POOR SCHOOL CHILDREN OF NEARBY VILLAGE BADARAGHUNATHPUR 2) POPULARISATION OF SCIENCE AMONG RURAL PEOPLE 3) AIDS AWARENESS PROGRAMME 4) DISTRIBUTION OF MUSICAL INSTRUMENTS IN DEAF AND BLIND SCHOOL

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)

The Institution has adopted the decentralisation and participative management

in the process of academic and administration. The Top management gives generous freedom and flexibility to the Principal together with the academic council to lead all the academic activities of the college. They regularly meet and take necessary steps to formulate and implement the perspective plan of the institution. As part of quality improvement and quality initiative, the institution and its concern IQAC and College Development Committee and other statutory Committees continuously work on quality improvement. At the beginning of the academic year, all faculty members conduct a meeting and discuss the smooth functioning of the institution. Various committees are constituted and responsibilities are assigned to them. Committee Chairman and members of the committee report to the principal and IQAC about the planning and implementation of the decision. They get the feedback from all the stakeholders of the institution and take steps for further improvements as far as they are within the capacity and recommend the management for further corrective action. The Administrative and academic duties are controlled by the Principal of the Institution. Head of the department works under the guidance of the Principal and Internal Quality Assurance Cell. The Heads of the Department are given specific duties and responsibilities to attend the day to day routine work. Every faculty member is involved in the various academic and administrative or other statutory and non-statutory committees. Internal Quality Assurance Cell monitors academic and administrative activities. Mentorship is introduced in all the departments and it is effectively monitored by the Principal. All activities are monitored by the Internal Quality Assurance Cell. Academic Calendar is meticulously planned and prepared in advance by the Academic Committee and ensures the proper implementation of the academic calendar. Heads of the department ensure the functioning of the departmental activities. Faculty members ensure academic activities. Faculties conduct the lecture, practical, attendance, examination and result and provide the feedback for further improvements. The Governing Body of the Institution conducts regular meetings and discuss the issue and challenge with the developmental aspect of the institute. Thus, the Governing Body of the Institution encourages the teachers, students and non-teaching staff, alumni and co-ordinators to share their ideas, opinions and suggestions through the proper channel. The input received from various committees and feedback analysis are considered for the future decision making. Moreover there is a provision of granting twenty thousand rupees per month as imprest money to each Head of the departments to meet the expenditure of day to day activities and the Principal is granted two lakh rupees as imprest money per month for the same.

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
Admission of Students	Admission according to the guidelines of State Govt./AICTE/JEE (Main). Candidates interested to study engineering in GITA, Bhubaneswar, must have appeared JEE Main and must have JEE-Main Rank. They will take admission through the counselling process conducted by OJEE, Odisha.
Industry Interaction / Collaboration	With constant encouragement by the management, the departments constantly strive to enter into MoUs with

the industries to provide summer internships, main projects for students. Industry experts are invited to give seminars on the advanced technology. Interaction with industry helps to provide industrial visits, arranging training programmes to students. Interaction with industry is providing opportunities for consultancy works and research.

Human Resource Management

1) Self-Performance appraisal system is followed 2) HR rule book is followed. 3) Salaries are paid as per norms 4) Annual Increments are based on self-appraisal and Merit. Staff attendance is monitored on daily basis 5) FDPs are Conducted to train the newly recruited faculty and also for existing faculty 6) Workshops are organized to train the faculty and staff to update their knowledge. 7) IQAC creates awareness among faculty on quality in teaching learning etc... 8) Grievance cell address issues for both staff and students

Library, ICT and Physical Infrastructure / Instrumentation

1. Use of ICT in education, e-library, more budgetary support for maintenance infrastructure 2. E-library, facility for E-documentation of study materials, facility for printing, National Digital Library access available for teachers students. 3. Library created its resources Database and provided Online Public Access Catalogue (OPAC) through which users can be accessed from any of the computer connected in the LAN can know the status of the book. 4. Institute Library Information is subscribing online e-books and e-journals databases as per the requirement of the institute and fulfilling AICTE norms. IP based access is given to all computers connected on-campus LAN to access e-journals. 5. An exclusive Server with Content Management Software for e-learning is provided in the Library. This provides access to staff and students to e-learning resources such as NPTEL Lectures, MIT Lectures etc. 6. For the effective utilization of resources, Information Literacy training programs are conducted to the staff and students. Every year 3 to 4 programs are conducted for the users. 7. GITA Library is one of the members resources sharing Networks such as NLIST-INFLIBNET, National Digital Library and

	AICTE-INDEST.
Research and Development	<p>1- Mechanism to promote research culture, publications professional development among teachers for quality enhancement. 2- Research cell headed by Director- R D, monitors research activities, encourages participation conduction of seminars/ FDP/ WS/Funding Research. 3- Incentives for publication/ GITA Research PromotionScheme in place/Paid leave for research allowed. 4- Innovation cell set up for looking into various projects by students faculties, participation in various events such as Hackathons. Biju Patnaik University of Technology, Rourkela has recognised our institution as Research Centre. DSIR Govt of India has recognised GITA Bhubaneswar as a Center of Industrial Research in the state of Odisha.</p>
Examination and Evaluation	<p>1. Continuous internal assessment done as per university norms result intimated to parents through SMS. 2. A Proper Examination system has been devised for Autonomous system starting with question setting, examination, evaluation, publication through our own ERP. 3. Continuous assessment is done through surprise tests, Quiz, Assignments, Mini Projects, Presentations and Project Demonstration. 4. Assignments are given module wise and assignment copies are evaluated and returned back to the students on time. the affiliating university BPUT has identified the institution as a centre for e-evaluation.</p>
Teaching and Learning	<p>1. Learner-centric education approach through appropriate methodologies like academic calendar, interactive techniques, seasonal classes based on GITA model Teaching-Learning Model. 2. Use of teaching-learning aids application of ICT resources makes teaching effectively for students. 3. Computerized Central Library e-Resources much effective for teachers students. 4. Non-negotiable academic calendar. 5. Standard guidelines for teachers to prepare a lesson plan, model questions answers course handouts.</p>
Curriculum Development	<p>The College follows the curriculum designed by Biju Patnaik University of</p>

Technology, Rourkela, Odisha. At the beginning of every academic year, the college chalks out an academic calendar. The Principal of the college sets the time table schedule of each subject for teaching which includes Lecture hours, practical classes and list of holidays. The head of the departments conducts academic planning meeting to plan and organize the schedule of lectures and distributes the syllabus among the faculty members of their departments. The faculty Members are instructed by the head of departments to complete the syllabus within stipulated time. If, for any reason, a faculty fails to finish his/her syllabus within the stipulated time, he/she is being asked to arrange extra classes for his/her subject. New Text Books Reference books are ordered as per the university guidelines and the subject teachers and students. The institution has designed bridge courses to fill the gap between the expectations of the industries and curriculum adopted by the affiliating university.

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

E-governance area	Details
<p>Planning and Development</p>	<p>1. The information related to the students' details, classes, lesson plans, course details, class status, attendance analysis, and other related information is part of this module.</p> <p>2. This module helps in vendor registration, the tender procedure used for procurement of consumables and equipment's, the repair and maintenance of institute's infrastructure such as receiving tenders, preparing comparative statements, preparing orders and getting the necessary administrative approvals of the procurement placing orders. It also keeps a record of existing stock.</p> <p>3. This module helps in vendor registration, the tender procedure used for procurement of consumables and equipment, the repair and maintenance of institute's infrastructure such as receiving tenders, preparing comparative statements, preparing orders and getting the necessary administrative approvals of the procurement placing orders. It also keeps a record of existing stock.</p>

Administration	The day to day data related to attendance of faculty and nonteaching staff is part of this module which also helps in monthly salary payment to all employees of the institute including maintenance of leave records.
Finance and Accounts	Institutes' accounts and finance department uses its accounts and finance modules for their day to day accounting.
Finance and Accounts	Admission modules help in the admission process of all UG and PG students of the institute. They facilitate data collection, segregation, and preparation of reporting the status of candidates in the institution with their complete personal data. The module also helps in allotting the different sections to the students and preparing the attendance sheet.
Examination	This module takes care of the exam activities in the form of the collection of the question papers, collection and compilation of continuous internal evaluation and submission of marks and sending them to the University in due time for the declaration of results.

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
No Data Entered/Not Applicable !!!				
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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	EMOTIONAL INTELLIGENCE INTERPERSONAL RELATIONSHIP	NA	18/11/2019	19/11/2019	186	0
2020	COMPETENCE	NA	17/02/2020	18/02/2020	176	0

	RELATED TO TEACHING AND LEARNING PROCESS					
2019	NA	BUSINESS CORRESPONDENCE	11/11/2019	12/11/2019	0	94
2020	NA	MANERISM IN MEETINGS	21/01/2020	22/01/2020	0	78
No file uploaded.						

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
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
12	12	3	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Welfare Fund, Group Insurance, Free Medical Facilities	Welfare Fund, Group Insurance, Free Medical Facilities	Group Insurance, Scholarship, Free Medical Facilities

6.4 – Financial Management and Resource Mobilization

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

<p>The HODs are responsible for utilization of the funds allocated to their departments. HODs prepare their plans for purchase, investments and activities and monitor the execution of the plans. The Principal reviews the funds utilization every month in HODs committee meetings. Utilization of allocated funds during the budget year is ensured by the Finance Committee of the institution and finally the internal audit report of income and expenditure of the institution is approved by the Principal. The audit of the institution is carried out by a distinguished chartered accountant every year and the audited statement is made available in the official website of the institution.</p>

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/ Grants received in Rs.	Purpose
VIDYABHARATI EDUCATIONAL TRUST	105000	DENTAL CAMP
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6.4.3 – Total corpus fund generated

1205000

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	BPUT	Yes	PRINCIPAL
Administrative	Yes	Ramprasad RaoB ratam, Chartered Accountant	Yes	PRINCIPAL

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

The institution has an active Parent - Teacher Association which meets at least once in a year. Nearly 500 parents of more than 300 students meet every year in the month of January to discuss about the performance of their wards and provide constructive suggestions for the improvement of the institution. Some of the support provided by the parents to the institution are:- 1) The institution has made plannings for improvement as per the feedback provided by the parents every year. 2) Provide constructive ideas for improvement of food quality and hostel maintenance. 3) Provide support for the placement of students. 4) Help directly for improving the admission strength of the institution. 5) Attend all the committee meetings where they are members as in Anti Ragging Committee, Discipline committee, etc. 6) Support in liaisoning activities of the institution with other offices and organisations whenever necessary.

6.5.3 – Development programmes for support staff (at least three)

1) Annual training needs of supporting staff are identified and training conducted. 2) Involvement of Support Staff in all academic and non-academic activities. 3) Regular Staff meetings are conducted to address their need s and upgrade their skills 4) Scope is given for higher studies.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1) Establishment of new Library building 2) Improvement of Library Resources 3) Construction of New Food Court and Digital theatre for online classes 4) Constructions of Smart Classrooms to enable ICT based teaching and learning. 5) Improvement in RD activities. 6) Extensive Pre Placement Training. 7) Addition of emerging Value Added Courses. 8) Provision of Providing Certificate Courses. 7) Popularisation of coaching facilities for higher studies. 8) Motivated students for cultural and sports activities. 9) Introduction of new technical clubs.

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	INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN COMPUTER SCIENCE, SOFT COMPUTING AND INFORMATION TECHNOLOGY	20/12/2019	20/12/2019	24/12/2019	382
2020	WORKSHOP AND FDP ON INDUSTRIAL REVOLUTION 4.0	17/02/2020	17/02/2020	22/02/2020	186
2019	PRE-PLACEMENT TRAINING	19/08/2019	19/08/2019	20/12/2019	514
2019	ACADEMIC CALENDAR PREPARATION	15/07/2019	15/07/2019	17/07/2019	22
2019	COACHING FOR HIGHER STUDIES	18/11/2019	18/11/2019	19/02/2020	514
2019	VALUE ADDED COURSES	22/07/2019	22/07/2019	24/01/2020	589
2019	ACADEMIC AUDIT EXTERNAL	23/12/2019	23/12/2019	24/12/2019	54
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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
WORKSHOP ON WOMEN EMPOWERMENT	23/12/2019	25/12/2019	145	65
WORKSHOP ON GENDER SENSITIZATION	17/02/2020	19/02/2020	98	175

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

The college has roof top solar power production units through which 200 KW electricity is produced. The college has smaller solar plants which provide electricity to the street lights. There is Sewage Treatment Plant where the waste water is used for gardening. The College is declared as a smoke free and

tobacco free campus. The College adopts a healthy waste material disposal system. The College has a bio gas plant which uses kitchen wastes for cooking gas generation and organic manure for gardening. The 2019 cyclone had damaged these installation. But with war footing the installations were reestablished.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Rest Rooms	Yes	5
Special skill development for differently abled students	Yes	5

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
2020	1	1	12/03/2020	1	Distribution of Musical Instruments in Deaf and Blind School	SOCIAL CAUSE	56

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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)
INDUCTION TRAINING HAND BOOK	05/08/2019	The Induction Training Hand Book is supplied to the students of First Year classes who undergo an induction programme for 15 days. The detail time table and course structure are provided in the Hand Book.
RULES BOOK	05/08/2019	This Book is supplied to the students of the college at the time of entry in the first year. This Book contains all the rules and regulations related to academic and administrative discipline.

LABORATORY MANUAL	19/08/2019	These manuals are supplied to the students after continuation of Laboratory classes. This manual deals with the experiments to be undertaken in the practical classes in each subject
ANTI RAGGING HANDBOOK	01/08/2019	This handbook is distributed to all the students entering into the college after admission into first year classes. This handbook contains the various rules, regulations and laws related to the issues of ragging. It also contains the phone numbers of all the anti ragging committee members, heads of the departments, deans and the Principal. It also motivates the students to stay away from such unhealthy practices.
LEAVE RULES	12/08/2019	This handbook is supplied to the faculty members which deals with various types of leaves available for the teaching and non-teaching staff members.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
PRINCIPLE CENTRIC BEHAVIOUR CHOICES	12/09/2019	14/09/2019	425
DEVELOPING TRUSTWORTHYNESS	13/01/2020	14/01/2020	265

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. The institution has an eco-friendly green campus covering around three acres of land
2. Dustbins are kept at strategic points to keep the environment clean.
3. The Municipal Corporation is signed to clean the waste materials arising out of food, toilets, etc.
4. 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.
5. The institution adopts the e-waste disposal management

system as per the norms provided by the State Pollution Control Board, Govt. of Odisha. The Academic Council of the department is responsible for identifying the e-waste material of each department and take necessary steps for their disposal. Since the institution is established in the year 2004, no such e-waste is generated till now and whenever such e-waste will be generated, they will be disposed as per the norms provided by the State Pollution Control Board of Govt. of Odisha.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1 (Teaching, Learning and Continuous Monitoring of Academic Standard): The institution adopts all possible steps to improve teaching, learning and monitoring academic facilities in the institution. • The quality and quantum of the lecture methods and learning strategies (lecture, discussion, group discussion, question answers, case studies, role play, illustrations, and special lectures) depend upon the topics being dealt with. • Most of the courses and professional courses have practical sessions, projects, seminars and comprehensive viva-voce components in their curricula, besides the usual classroom interactions. • All departments also provide instructional materials to the students for easy understanding of the concept and subject matter. • Team project works, assignments, case studies, preparation of charts, models, quiz programs are also followed. • Expected Results/outcomes obtained from the development plan and results • Key priorities such as teaching and learning process, risks identified in the planning stage • Data collection through feedback and stakeholder meeting. • Estimation of resources required and committed for carrying out planned monitoring activities. • Staff members have to fill in the Self Appraisal form monthly. The Head of the College gives them constructive feedback regarding the same. • Monthly staff meetings are held to take stock of the activities undertaken by the various Committees. • IQAC monitors the development and application of quality benchmarks for plans and policies of the institution. Best Practice - 2 (Promotion of Research Culture in the College): The institution encourages and extends all possible help to promote research activities in the institution. • The Institution makes all necessary arrangements for timely availability or release of resources for smooth progress and implementation of research schemes/projects. • Adequate infrastructure and human resources are provided by the institution for smooth progress and implementation of research schemes/projects and other research initiatives. • Full autonomy is given to the Principal Investigator by the institution to facilitate smooth progress and IP implementation of research schemes/projects. • Encourages and leave are sanctioned for presenting a research paper in different International and National Conferences by faculty. • Provides computer and internet facilities for all departments. • Purchases books and journals according to the needs of the faculty. • Promotes Publications as Edited Volumes on research articles • Conducts National/State/Regional level workshops/seminars/conference. • Internet, LAN and journals and e-journals subscriptions are made available to all faculties to facilitate research activities in the college. • By inculcating practical aptitude among students through participation in experimental exercises. • By arranging seminars and conferences whereby students have ample opportunities to interact with eminent researchers. • Teachers are motivated in the department to pursue at least one minor/major research project in their area of specialization or one that is inter-disciplinary in nature. • Teachers who have not started their PhD work are also motivated to register for such programmes. • various departments, Units and staff of the institute interact with each other in undertaking inter-disciplinary research. Best Practice - 3 (Student-Teacher Mentoring Programme) The institution adopts all possible steps to improve the student-teacher mentoring system in the institution. • Each faculty

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

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

<http://gita.edu.in/IOAC/AOAR/bpr.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

ACADEMIC PERFORMANCE FOR THE YEAR 2019-20 GITA Bhubaneswar strives to attain superlative performance in its envisioned Goals. Accordingly the institution continuously monitors and upgrades its teaching learning methodology, teachers' development and optimization of the role of mentorship in the institution. The Institute aims to help students to develop their potential through the provision of a supportive, vibrant and challenging learning environment. All the staff members are involved in building of this learning environment. All students are valued equally during their learning journey in the institute. Accordingly, the curriculum, teaching and learning and assessment at college are student centric. The College has formulated academic committees that aim at enhancing the quality of learning, teaching and assessment across the Institute by providing academic leadership for the continued development of excellence in academic practice. The College is committed to creating an environment where students are supported to achieve their potential and working towards creating an inclusive learning community. In terms of lifelong learning this strategy is intended to be learner centric, recognizing students' prior learning, experience and abilities. This requires the identification of individual learning goals and it will emphasize the importance of reviewing student progress against agreed objectives. Students are active partners with shared responsibilities for their own learning and achievement. This strategy recognizes the need to develop progressively self directed and confident learners with the knowledge, skills, attitudes and values, which enhance their employability and progression opportunities. It acknowledges that students learn most effectively if they are supported as individuals to achieve personal development. The Academic Council of the Institution comprising of all Deans under the chairmanship of the Principal and cooperation from the Institution Academic Advisory Committee, which includes the academia and industry, strives to achieve the aforesaid objectives of the institution. The respective Heads of the Departments and the Advisory Committee of the department in association with the Academic Council of the institution controls the quality of the teaching learning process being imparted and

ensures the attainment of Learning Outcomes at a departmental level. They are helped by the Committee of Technical Training and Institution Industry Interaction, Academic Committee, Feedback Committee, Disciplinary Committee, Budget Purchase Committee, Committee of Cultural and Social activities. All of the above mentioned committees work to attain the objectives mentioned below. • Quality Control to ensure a benchmark in the quality of courses being imparted. • Progress Review to constantly monitor the progress of the students through different forms of examinations, syllabus and remedial measures to improve performance of weak students. • Data collection and Documentation of extra course being provided along with the curriculum for bridging the gap. • Ensures attainment of Learning Outcomes.

Provide the weblink of the institution

<https://www.gita.edu.in/IQAC/AOAR/bpr.pdf>

8.Future Plans of Actions for Next Academic Year

1) The Institute plans to focus more on research and development in the next Academic year by increasing the publications of faculty. 2) The Institute will conduct at least four International Conferences in the next Academic year. 3) The Institute will conduct student-focused academic and skills development activities. 4) The Institute will conduct programmes to encourage and support students for entrepreneurship. 5) The Institute will have more industry-academic interface so that there is more corporate participation in academics. 6) The Institute will enhance outreach programmes for the members of the backward community. 7) The Institute will strengthen the liaison among the stakeholders like students, teachers, parents, employers etc. 8) The Institute will enhance collaborative research among the departments and to take initiative for inter-institutional collaboration. 9) The Institute will conduct an Environmental Audit. 10) The Institute will strengthen alumni participation. 11) The Institute will open two new UG Programs on emerging areas. 12) The Institute will implement one Center of Excellence for each Department. 13) The Institute will implement one student one plant programme. 14) The Institute will implement one faculty one patent/copyright programme.