



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	GLOBAL ACADEMY OF TECHNOLOGY
Name of the head of the Institution	N Rana Pratap Reddy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08028603158
Mobile no.	9591510211
Registered Email	principal@gat.ac.in
Alternate Email	info@gat.ac.in
Address	Ideal Homes, Rajarajeshwarinagar
City/Town	Bengaluru
State/UT	Karnataka
Pincode	560098
<b>2. Institutional Status</b>	

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. RAVI J
Phone no/Alternate Phone no.	08028603158
Mobile no.	9481252624
Registered Email	iqac@gat.ac.in
Alternate Email	gnkereravi@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.gat.ac.in/?page_id=5375">http://www.gat.ac.in/?page_id=5375</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.gat.ac.in/?page_id=5314">http://www.gat.ac.in/?page_id=5314</a>

### 5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.09	2017	30-Oct-2017	29-Oct-2022

<b>6. Date of Establishment of IQAC</b>	23-Aug-2016
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### 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
Setting Quality benchmarks	10-Jun-2020 1	30

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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
Global Academy of Technology	VGST/KSCST	VGST/KSCST/VTU/AICTE/ISRO	2020 3	4721500
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

2

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 Uploaded 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 Initiated actions to complete the pending syllabus in the even semester of academic year 201920 and conduct of internal examinations online mode during the pandemic. 2 Conduction of Online webinars on latest technological developments in association with industries and institutions of repute for the benefit of faculties and students. 3 Access to NPTEL/ MOOCs platform for students and faculty was provided to upgrade their skills during the lockdown period was initiated and succeeded in getting fruitful results. 4 Appropriate measures were taken to implement the standard operating procedures to be followed during the pandemic in the campus to ensure the safety of the faculty and students. 5 A committee was formed to initiate actions related to obtaining autonomous status for the institution. Application for seeking autonomy was submitted to UGC during June 2019. The peer committee from UGC visited the institute and granted autonomy for a period of ten years from the academic year 202021. 6 To promote innovation and entrepreneurial activities in the campus, a proposal to start incubation centre was submitted to the management during 2019 and the incubation centre was started.

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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
Estblishing quality benchamrks	Quality benchmarks achieved
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
BOG	02-Nov-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

02-Nov-2019

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020

Date of Submission

12-Feb-2020

**17. Does the Institution have Management Information System ?**

Yes

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

Organisations embarking on academic data management face two challenges: a framework for implementation administration of the process itself and academic and innovation within this framework. The contineo IT platform is used for management information system which helps the organization to quickly implement the processes and provide insightful analytics so that a majority of the time can be utilized to focus on academic innovation and research. The following are the modules being taken care through Management Information System

1. Granular tracking of academic plan
2. Early warning system for key operating parameters
3. Measurement of academic operating parameters
4. Academic Statutory compliances
5. Real time reporting to stakeholders

## 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 institute is affiliated to VTU, Belagavi and follows the curriculum prescribed by the university. The approved curriculum is notified on the university website and copies of the syllabus, rules and regulations of the university are provided to the institute for effective delivery of syllabus. The institute in turn distributes syllabus to students, faculty and library for effectively implementing the curriculum. Further, the college library initiates and procures textbooks, reference books and related ICT materials for effective transaction of the curriculum. For the effective implementation of the curriculum, keeping in mind the Outcome Based Education (OBE), Institute has constituted Teaching Learning Process (TLP) committee headed by Principal. All heads of the department are members of the committee. The function of this committee is to plan and implement curriculum for effective student learning. The faculty prepares teaching learning materials as per the process prescribed by the TLP committee adhering to the curriculum prescribed by the affiliating University. For development of higher order cognitive skills, the institute supports the students by providing hands on work experience in practical subjects, projects, internships, industrial workshops, industrial visits, and training. The institute also has a very active IQA cell which monitors curriculum implementation by conducting academic audits during the semester. A team was constituted under the supervision of Principal to find the best solutions for completing the pending syllabus in the even semester of the academic year 2019-20 and conduction of internal examinations though online mode. Faculties and students were encouraged to use MOOCs platform to upgrade their skills during lockdown period. The team worked on bringing innovative online resources for teaching and learning, facilitated Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching learning, Assessment and Evaluation, project reviews using Google meet, Zoom app, WebEx.

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
NIL	NIL	Nil	0	NIL	NIL

#### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	Nil
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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
BE	Computer Science Engineering	29/07/2019

BE	Civil Engineering	29/07/2019
BE	Electronics and Communication Engineering	29/07/2019
BE	Electrical and Electronics Engineering	29/07/2019
BE	Information Science and Engineering	29/07/2019
BE	Mechanical Engineering	29/07/2019
Mtech	Structural Engineering	23/09/2019
Mtech	Thermal Engineering	23/09/2019
Mtech	Digital Electronics	23/09/2019
Mtech	Computer Science	23/09/2019
MBA	Master of Business Administration	10/09/2019

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

	Certificate	Diploma Course
Number of Students	0	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
Image Processing	04/02/2020	44
Hands on Training on Hydraulics and Pneumatics	17/10/2019	33
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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
BE	Computer Science and Engineering	214
BE	Information Science and Engineering	41
BE	Electronics and Communication Engineering	186
BE	Electrical and Electronics Engineering	61
BE	Mechanical Engineering	128
BE	Civil Engineering	140
MBA	MBA	120
Mtech	Structural Engineering	17
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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

• Students' feedback about each course in a semester is obtained at the end of the semester. • The feedback on teaching learning is obtained through Course End Survey and Exit surveys from passed out students. • Both Course Outcome evaluations and Staff performance Evaluation are being done through the students' feedback. • Staff Evaluation Reports, Students Feedback Report, Staff Self Appraisal and stakeholders' feedback are discussed in Department Advisory Committee meetings and corrective measures are planned accordingly. • After collecting the feedback from the stakeholders, the contents of feedback are analyzed and the constructive suggestions indicated in the survey shall be forwarded to the Department advisory committees to make possible changes in the course content and structure for the design of next curriculum. The final approval for academic activities shall be accorded by the Academic Council of the institution. • Feedback on career guidance facilities like training on soft skills and other placement related activities are also collected through Graduate Exit Survey to measure the satisfaction level of students and to identify the necessary steps for improvement. The analysis of the survey along with recommendations are sent to Training and Placement department for incorporation. • Employer surveys conducted every year, through Training and Placement Department, act as a tool to gain feedback on and measure employee engagement, morale and performance. • Alumni and Parents surveys are obtained through a questionnaire during parent-teacher meetings and their suggestions are taken into account for the overall improvement. • Feedback is also collected on institutional resources and services such as classroom, laboratory, and computer centre facilities and also on other supporting facilities and services like library, sports and games and hostels. After the analysis, a consolidated set of recommendations will be forwarded to the appropriate departments for necessary action and implementation.

## 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
BE	Electronics and Communication Engineering	180	264	184
BE	Civil Engineering	120	123	100
BE	Computer Science Engineering	180	341	192
Mtech	Structural	18	20	18

	Engineering			
Mtech	Digital Electronics, Computer Science	48	0	0
Mtech	Thermal Engineering	18	2	1
MBA	Master of Business Administration	120	156	120
BE	Mechanical Engineering	120	99	82
BE	Information Science and Engineering	60	77	63
BE	Electrical and Electronics Engineering	60	62	53
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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	3118	276	158	11	2

## 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
171	171	6	53	8	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)

Yes - Mentoring system is available at GAT. A dedicated counselling centre spearheads all activities of the centre with trained faculty members from every department. Through the centre, students are facilitated to overcome impediments coming in way of learning and performance in examination. Need based analysis is undertaken to identify students who are in need of counselling. During various stages of counselling, parents of the students are also involved to make the efforts more effective. Twenty students are assigned to a faculty member at the commencement of the program. Mentors meet their students and guide them with their studies and extracurricular activities. They also provide advice relating to career guidance and personal problems. Parents of the students are informed about the lack of attendance, poor academic performance and psychosocial problems as and when the necessity arises. Mentors manage student personal information, academic performance, participation in curricular and co-curricular activities and training information. Counselling forms are



maintained by the counsellors which comprises of personal information, Academic records- previous and current, details of internship and industrial training programs attended by the student, scholarships and awards received, participation in co-curricular and extra-curricular activities. Efforts are being made to conduct psychometric test to enable them to know their strengths and weaknesses at the beginning of the program by an external agency through the training and placement cell of the institute. Induction program for first year students is generally conducted for a two week period creating awareness on the facilities available in the institute, teaching learning methodologies, opportunities for co-curricular and extra-curricular activities, sports facilities, and Training and Placement. The program also makes them reflect on their relationship with their families and extended family in the college (with hostel staff and others). It also connects students with each other and with teachers so that they can share any difficulty they might be facing and seek help. Induction program includes- Physical Activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to Local Area, Familiarization to Department/Branch and Innovations, etc. The Induction Program enables the students to rectify some critical lacunae such communication in English. Departments conduct orientation programs for their students during the beginning of the third semester.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3394	171	1 : 20

## 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
176	180	0	5	2

### 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. Shalini G	Associate Professor	Best Poster Award National Centre for Costal Research (NCCR)
2019	Khushbu K B	Assistant Professor	Change Maker Award, Bengaluru. Awarding Agency - (Livesta Instant Coffee and Radio city)

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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
BE	CS, EC, IS, EE, ME, CV	Semester	01/06/2020	01/10/2020
Mtech	CSE, SCS, MTP, DEC	semester	22/06/2020	22/10/2020

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

Institute is affiliated to Visvesvaraya Technological University, Belagavi and follows the rules and regulations of the affiliating University. Some of the evaluation reforms of the University adopted by Institute are • Uploading of final internal assessment marks on the University website by the respective faculty • Online submission of Examination/ revaluation applications through University website • Online delivery of end semester examination question papers through Question Paper Delivery System (QPDS) • Online project report evaluation for postgraduate degree program Some of the evaluation reforms initiated by the Institute are • Decentralization of internal assessments for effective monitoring by the departments • Assessment of students based on course outcomes/learning outcomes • Online uploading of day to day attendance and Internal assessment marks on student ERP software • Auto triggering of SMS to parents, if their ward is absent to any of the classes • Communication to parents about internal assessment marks through SMS • Availability of information about attendance and marks on mobile app

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

The Institute is affiliated to VTU, the university releases the calendar of events for the affiliated colleges at beginning of every academic semester, which includes start and end dates of the semester and examination schedules. With reference to University calendar Teaching Learning Committee of the Institute prepares the detailed calendar of events at the institute level. The Institute academic calendar includes start and end dates of semester, list of holidays, internal assessment schedules (Laboratory/ Theory) and Institutional level events like Parent teachers meet, socio-cultural events. The departments also prepares calendar of events to include departmental activities such guest lectures, trainings, workshops etc..

## 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.gat.ac.in>

### 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
CV	Mtech	Structural Engineering	18	18	100
ME	BE	Mechanical Engineering	128	127	99
ISE	BE	Information Science and Engineering	47	44	90
EE	BE	Electrical and Electronics Engineering	61	57	93

EC	BE	Electronics and communication Engineering	184	177	96
CV	BE	Civil Engineering	140	127	91
CSE	BE	Computer science and Engineering	213	212	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://www.gat.ac.in/downloads/igac/Student-Satisfaction-Survey-2019-Report.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	730	AICTE	12.7	10.2
Major Projects	365	VGST	5	5
Major Projects	1095	ISRO	39.7	19.4
Students Research Projects (Other than compulsory by the University)	180	KSCST	0.1	0.1
Projects sponsored by the University	182	VTU-TEQIP	2	2
Industry sponsored Projects	365	Venkat Switchgears SACH Electromech Pvt.Ltd	0.42	0.42
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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
Course on Machine	Mechanical Engineering	24/08/2019

learning using PYTHON		
Seminar on Basics of Hydraulic systems	Mechanical Engineering	17/10/2019
Workshop on Hands on Training on Hydraulics and Pneumatics	Mechanical Engineering	17/10/2019
Seminar on Basics of air handling Unit in HVAC system	Mechanical Engineering	22/10/2019
Seminar on Aerospace Design	Mechanical Engineering	14/02/2020
Seminar on Fundamentals of Refrigeration and Air conditioning	Mechanical Engineering	16/05/2020
Workshop on Industrial Automation - Basics to Essentials	Mechanical Engineering	15/06/2020
Webinar on Mobile Edge Computing (MEC) computing for 5G latency application	Electronics and Communication Engineering	06/07/2020
Webinar on VLSI design for Artificial Intelligence and Machine Learning	Electronics and Communication Engineering	29/06/2020
Online Webinar on NON Orthogonal Multiple Access (NOMA)	Electronics and Communication Engineering	10/06/2020
5-Days Faculty Development Programme on Engineering statistics and Linear Algebra	Electronics and Communication Engineering	22/01/2020
Workshop on IoT and its applications	Electronics and Communication Engineering	08/11/2019
3-Days Enrichment Program on latest trends in VLSI technology using Cadence Tool	Electronics and Communication Engineering	17/10/2019
13-day FDP on Artificial Intelligence and Machine Learning	Computer Science Engineering	01/07/2019
10-day Workshop on Blockchain and its Applications	Computer Science Engineering	19/09/2019
5-day Workshop on Machine Learning Big Data Analytics	Computer Science Engineering	29/04/2019
6 days Workshop On Blockchain and its applications	Computer Science Engineering	19/09/2019

Infy TQ based foundation program and faculty readiness	Computer Science Engineering	22/07/2019
Image Processing and Pattern Recognition	Computer Science Engineering	06/03/2020
Five Day Workshop on Robotics and Control	Electrical and Electronics Engineering	04/11/2019
Cyber Security and Career Planning	Information Science and Engineering	20/07/2020

### 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
Contribution in the field of environmental conversation	Change Maker of Bangaluru	Levista instant coffee and Radiocity	01/03/2020	Teachers
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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
Incubation Centre	Global Academy of Technology Incubation Centre	Global Academy of Technology	M/s. Vigyaworx	Core Engineering	03/01/2020
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	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
Computer Science Engineering	1
Civil Engineering	0
Electronics and Communication Engineering	1
Electrical and Electronics Engineering	3
Information Science and Engineering	0
Mechanical Engineering	0
Master of Business Administration	0
Science and Humanities 1	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)
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International	Civil Engineering	3	Nil
International	Computer Science Engineering	11	1.56
International	Electronics and Communication Engineering	11	Nil
International	Electrical and Electronics Engineering	5	4.6
International	Information Science and Engineering	31	Nil
International	Mechanical Engineering	7	Nil
International	Master of Business Administration	3	Nil
International	Science and Humanities	6	1.35
National	Electrical and Electronics Engineering	5	Nil
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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
Information Science and Engineering	7
Electrical and Electronics Engineering	11
Civil Engineering	7
Computer Science Engineering	4
Electronics and Communication Engineering	5
MBA	2
Basic science	3
Mechanical Engineering	3
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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
Fuel properties of B100 and blends	Dr. Ranapratap Reddy N	Biofuels	2020	2	Global Academy of Technology	Nil

of Terminalia belerica (Roxb.) oil biodiesel synthesised using SrO as a basic heterogeneous catalyst						
Characterization of banana fiber reinforced polypropylene composites	Mahesh D, Kowshigha K R, N V Raju Pankaj K Aggarwal	Journal of Indian Academy of wood Sciences	2019	10	Global Academy of Technology	8
The effects of surfactant in the sol-gel synthesis of CuO/TiO <sub>2</sub> nanocomposites on its photocatalytic activities under UV-visible and visible light illuminations	T. N. Ravishankar, M. de O. Vaz and S. R. Teixeira	New Journal of Chemistry	2019	17	Global Academy of Technology	17
photodecolorization of Rhodamine B under UV-visible and visible light illuminations	T.N. Ravishankar , M. de O. Vaz , T. Ramakrishna ppa , S.R. Teixeira , J. Dupont	Materials Today Chemistry	2019	3	Global Academy of Technology	3
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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
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The effects of surfactant in the sol-gel synthesis of CuO/TiO <sub>2</sub> nanocomposites on its photocatalytic activities under UV-visible and visible light illuminations	T. N. Ravishankar, M. de O. Vaz and S. R. Teixeira	New Journal of Chemistry	2019	122	17	Global Academy of Technology
Reduction of Fragmentation Problem in Cloud Via Retreating Data History	Sushmitha S, Vanishree M L	GIS Science Journal	2020	1	0	Global Academy of Technology
OCM Derived Chlorophyll-a Dynamics in the nearshore region of the central west coast of India: Implications for fish catch in the area	Shalini G	Journal of Marine Biology Oceanography	2019	49	11	Global Academy of Technology
Provenance and implications of heavy minerals in the beach sands of India's Central west coast	Shalini G	Journal of Coastal Research	2019	90	4	Global Academy of Technology

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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	17	39	27	55
Presented papers	24	4	Nil	Nil
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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
A Technical Survey - Assistance For Visually Challenged	Deepa Academy	2	4
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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
NIL	NIL	NIL	0
No file uploaded.			

#### 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
NIL	NIL	NIL	0	0
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
NIL	NIL	Nil	Nil
No file uploaded.			

#### 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

MOU	Research	IIIT, ALLAHABAD	01/08/2019	Nil	2
MOU	Internship Training	IIIT, ALLAHABAD	01/01/2020	01/02/2020	4
MOU	Internship Training	IIIT, ALLAHABAD	11/07/2019	11/08/2019	16
<a href="#">View File</a>					

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
IIIT - Allahabad	11/03/2019	FDP and Workshop	366
Mahatma Gandhi University	20/04/2019	1 Day Webinar entitled How to formulate a high impact publication and funded projects	100
Datumone Applied Technologies LLP	18/06/2020	Submitted academic project Development of computerized fabrofeel	5
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#### **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
20000000	20227408

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

## 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
Libsoft	Fully	12.0	2019

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	26192	7633574	669	228119	26861	7861693
Reference Books	6175	1851473	76	34602	6251	1886075
e-Books	Nil	Nil	21113	Nil	21113	Nil
Journals	60	140242	54	14852	114	155094
e-Journals	8361	2463250	7400	2586500	15761	5049750
Digital Database	9	Nil	9	Nil	18	Nil
CD & Video	3003	Nil	14	Nil	3017	Nil
Library Automation	1	95000	1	30000	2	125000

[View File](#)

### 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
Dr. Krishna Rao T	Ball bearings, Gears1 introduction, Spur Helical gears nomenclature, etc..	Youtube Creator Studio	11/05/2020
Dr. C V Srinivasa	Introduction and types of spillway	zoom	11/04/2020
Dr. N. Guruprasad	Introduction to loop control structures	YOUTUBE	26/03/2020
Kumaraswamy S	Restricted assignment problem	YOUTUBE	07/04/2020
Ms. Sushmitha S	Dictionary Part 2	YOUTUBE	18/05/2020
Dr. Sangeeta K Siri	Introduction to Multisim software and Astable Multivibrator using Multisim software	You Tube Videos	28/05/2020

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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	1144	20	1	1	1	20	12	100	0
Added	0	0	0	0	0	0	0	55	0
Total	1144	20	1	1	1	20	12	155	0

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

155 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
Kahoot, Hot Potatoes, Mentimeter, Quiz on CMS, Microsoft office, Youtube	<a href="https://www.cms.gat.ac.in">https://www.cms.gat.ac.in</a>

#### 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
2500000	2211998	10000751	18015410

##### 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)

Global Academy of Technology, Bengaluru follows a set of established procedures and policies for maintaining and utilizing physical, academic and support facilities- Laboratory, Library, Sports complex, Computers and Class rooms. The college management ensures optimal allocation and utilization of the available financial resources for regular maintenance and updating various facilities by conducting meetings on regular basis of various committees constituted for this purpose and using the grants allocated by the college management as per the requirements in the interest of student community. ?

Laboratory: Lab instructors in each department maintain the stock register by physically verifying the items round the year on regular basis. Department wise annual stock verification is done by the concerned head of the department. The calibration, repairing and maintenance of sophisticated equipments in the laboratory are done by technicians of concerned lab. Record of maintenance account is maintained by lab technician, lab in-charge and supervised by HODs of the concerned department. ?

Library: The requirement and list of books are collected from the concerned department through HODs. The finalized list of required books is duly approved by principal and management. OPAC (Online Public Access Catalogue) library users can check the availability of books through GAT website. E-resources can be accessed through IP based access and also remote access is provided through Knimbus. ?

Sports complex: Sports facilities includes: Football ground, Cricket ground, Basket ball court and Well-equipped

gymnasium. The college also has an indoor stadium for Badminton, Table tennis, caroms etc. The Physical Education Director keeps a well documented record of all the equipments. Procurement of new equipment is done by following a proper procedure. The materials are purchased according to the needs of the teams that practice for the different sports activities, such as Inter-College, State, National level tournaments. Department maintains the record of student attending the sports practice and requirements related to their respective games. Department also looks after the routine services of various equipments used in the sports activities. ? Computers: The office of principal in consultation with the System Admin decides about purchasing required IT equipments as per the recommendations received from departments and college. IT facilities are maintained by System Admin of the college and upgraded whenever required. Few employees are exclusively appointed for the maintenance of these facilities. ? Classrooms Building Maintenance: Physical infrastructure which includes the classrooms, main building, annexure block, auditorium, seminar hall are maintained by the caretakers and housekeeping staff. Building maintenance and safety are taken care by competent authority of estate office. Garden and lawns are maintained by gardeners. Sports ground is looked after by grounds men and physical director. The cleanliness of classrooms is maintained by housekeeping staff. It is ensured that all the classrooms have adequate physical infrastructure.If required purchase committee will be appraised about the needs and approve the same. There are LCDs in all the classrooms besides smart classrooms. ? Canteen: Hygienic food is served at affordable cost in canteen and is kept open on all working days.

<https://www.gat.ac.in>

## 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	Nil	0	0
Financial Support from Other Sources			
a) National	BCM/SC/ST cell	1484	30969080
b)International	Nil	0	0
<a href="#">View File</a>			

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 implemetation	Number of students enrolled	Agencies involved
Awareness of trends in technology- Talk on Entrepreneurship	31/08/2019	200	Mr.Mahendar, CEO Hatti Kappe
Awareness of trends in technology- Robotics, Drone and IoT	27/08/2019	60	Mr.SalaiDeva, Technical Engineer
Awareness of trends in	19/09/2019	78	Dr.Venkateshan, Dr.Shekar Verma,

technology-Blockchain and its Applications			Professor, IIITA
Awareness of trends in technology- Desired Learning Focus with industry case studies on Project management	11/03/2020	341	Mr.Srinivasa R, Regional Head,TCS
<a href="#">View File</a>			

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	career counseling activities	0	1776	0	147
<a href="#">View File</a>					

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
2	2	2

## 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
Tata Consultancy Services (TCS), SAP Labs India Pvt. Ltd, Value Labs, Infosys (through HackWithInfy/InfyTQ), etc..	442	348	36	200	47
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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	higher education				
2019	7	BE	Electronics and Communication	INDIANA UNIVERSITY, BMS LAW, INDUS BUSINESS ACADEMY, etc...	M.Tech, MBA
2019	17	BE	Civil Engineering	Amity University Noida, The University of Texas Arlington, University of South Florida Deakin University, etc...	MS, M.Tech, MBA
2019	1	BE	Electrical and Electronics Engineering	BMSIT, Bangalore	M.Tech
2019	4	BE	Computer Science Engineering	Portland State University, Duke University, GAT, Blore, Royal Holloway, University of London	MS, M.Tech
2019	14	BE	Mechanical Engineering	University of Adelaide University of Wollongong, etc..	ME, MS, MBA, M.Tech
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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	6
GMAT	1
CAT	1
GRE	5
TOFEL	10
Civil Services	8
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports	Institutional	188
Cultural	Institutional	200
Sports	State and Zonal Level	847
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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
2019	Nil	Nil	Nil	Nil	Nil	Nil
No file uploaded.						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institution involves the students in various administrative and other allied activities to a greater extent making them an integral part of various facts of its functioning. A cultural committee has been constituted in Global Academy of Technology, consisting of faculty members and students, representatives to take care of all the cultural activities. The main objective of the cultural committee is to bring out the hidden talents of the students and to provide a platform for budding artists and musicians, and to inculcate team spirit in them. The committee strives to celebrate the cultural diversity in the campus by organizing cultural activities for the students as well as staff members. Cultural committee helps in capturing the vibrant personality of the students by offering them a platform and opportunity to showcase their talent as dancers, musicians, actors and encourages them to participate in various competition and events organized in the campus and off campus.

Intercollege Techno Cultural fest-“Interact” is conducted every year in the month of April through the cultural committee. In the fest, more than 30 events in all varieties like art, music, literature, dance, debate, quiz, photography, rangoli, face painting, mime, management skills events, fashion show and many more organized. Departmental forums also provide an additional platform for students to showcase their talents. The students of cultural team of Global Academy of Technology participate in the VTU-Annual fest. “Ethnic day” at the college level is organized by the cultural committee. On that day students dress up in their traditional cloths highlighting the cultural importance of the region they come from and on the same day few events like-Team fashion show, Mr.GAT Miss. GAT, Mr. Miss Fresh face, Ethnic dance, Miss. Gorgeous and Mr. handsome are conducted for students. ‘Graduation Day’ and ‘Farewell functions’ are organized every year to the outgoing students of the institute.

Internal Quality Assurance Cell (IQAC): it has the representation of student members. Different academic and students development matters are discussed with the active participation of the students. Department advisory committee (DAC): Students have been indicated into DACs in order to project their views on curricular modifications and over all development of the department concerned.

Central Library: the committee consists of student representatives. Students are given an opportunity to discuss the requirements regarding the availability of digital content, accessibility factors and such other advancement related matters, and digital up gradations are under taken in tune with the expectations of the students. Anti-Ragging Committee: students have representation in the anti-Ragging committee constitute as per the guidelines



of the UGC with internal and external members (Revenue, Police officials and elite of the society) Training Placement: Students are involved as TP coordinators for assisting the placement cell during the recruitment drives. Canteen committee: students are involved in canteen committee in order to take feedback regarding the function of the canteen pertaining to quality, cost, variety, etc. Extension activities are conducted through NSS and departments involving students. Blood donation, walkathon, marathon on social/health causes, and reaching, and

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

555

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1

### 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 institute believes in and practices decentralization and participative management. The Academic quality assurance by importing quality education is done by Teaching and Learning centre. The governing council is based on participatory management to provide much needed transparency by including senior faculty as its members • The department started assisting training and placement officer through identifying the core industries for the respective departments. • COVID-19 counter initiative safety security along with excellence in academics and RD became the top priority during the outbreak of COVID-19. A team was constitute under the supervision of head-IT department to find the best solutions for completing the pending syllabus in the even semester of the academic year 2019-20 and conduction of internal examinations through online mode. The team worked on bringing innovative online resources for teaching and learning, facilitated network, Wi-Fi, Connectivity with adequate bandwidth to continue academic activities such as online teaching learning, assessment and evaluation with online examination for CIE examinations, project reviews and virtual laboratories for Lab based courses using Googlemeet, Zoom App, and Microsoft Team App etc. The Principal constituted a committee comprising of senior faculty members and maintenance staff to look after the sanitization and COVID-19 preventive actions in the campus effectively. The following activities were carried out through the team: • Sanitization of physical infracture, classrooms, corridors, washrooms, office areas and maintenance of hygiene. • COVID specific posters and instructions are displayed at important places in the campus to bring out awareness and reinforce responsible behavior. • Screening and social distance protocol on body temperature checking and sanitization is followed.

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

Partial

## 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	Office of the Principal will take care of all admission related activities using student information system MIS tool
Industry Interaction / Collaboration	<p>Development of skills for students by inviting experts from the industry on advanced technologies. Skill development programs for students are conducted through the Training Placement cell of Institute. Students and Faculties participate in various initiatives conducted through ICT Academy. Institute has signed MOU with more than twenty leading and reputed industries and institutions of repute. GAT has an understanding with many Governmental departments like Pollution Control Board of Karnataka, BBMP, KRIDL for undertaking projects related to structural designs, water management and environmental studies. The Industry Institute Interaction Cell at GAT helps to prepare students for professional opportunities related to industries. Peer tutoring, Interviews of industry experts by students, conduction of LITFEST, Open day and Commemorative events, arranging Industrial visits are some of the best practices of III cell.</p>
Human Resource Management	It is directly managed by Principal with support of Governing Council and board of management
Library, ICT and Physical Infrastructure / Instrumentation	Exclusive unit heads work directly under Principal to provide and maintain all necessary facilities
Research and Development	The institute has a research and consultancy policy for the development of RD from 2019. The faculty members who are pursuing Ph.D. are encouraged to complete their Ph.D. work by granting special casual leaves and reducing their workload whenever the necessity arises. The faculty members are financially supported by reimbursing registration fees, travel, stay, and attending conferences. The faculty who completed their Ph.D. are recognized, increments and salary hike are given as per the regulations of the institute. The total Number of Ph.D.

holders in the institute as on 2019-20 is . To strengthen RD, enhance research capacities of the teachers, augment consultancy and roll out intellectual properties worthy of industrial and societal use, new incentives and motivational trends have been set in at the college. It is worthy to state here that faculty members are entitled for a sum of INR 2000 and 5000 respectively for making paper presentation at a conference and for publishing research findings in Scopus indexed, Web of Science and Science Citation index journals. Ample OODs are sanctioned for participating/attending events in and beyond the city. Furthermore, incentives are offered for earning externally funded research projects, equalling to 10 of the cost of non-consumables under the sanctioned project. Adding wealth to institute via consultancy projects is also adequately rewarded. Incubation centre is established in the institution for innovation and incubation. Financial support is extended to students for making their innovative projects. Organized FDPs and Training programs involving faculty from IIIT to enhance innovative thinking.

Examination and Evaluation

As GAT is Tier 2 Institute, semester end examinations are conducted by VTU. GAT conducts internal assessment examination. Students will be provided with 3 IA tests and 1 laboratory test as per guidelines of VTU

Teaching and Learning

GAT has dedicated TLC headed by an experienced senior professor to train and guide faculty members for effective teaching learning process

Curriculum Development

Introduction Choice Based Credit System (CBCS) in practice. Open electives across the programs to enhance the knowledge, breadth, and professional competency of the students. Internship is made mandatory in the curriculum. The students are encouraged to solve real life problems, in a group of students/individual. Students develop the software/hardware models in the seventh eighth semester as a part of their major project. Training modules include topics on communication skills, analytical skills, leadership qualities, case studies, resume building, group

discussions, critical thinking, and situational response.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Institute has Contineo campus management software for managing autonomous system, examinations, student attendance, continuous evaluation process and online student feedback for faculty, and Tally accounting software to manage general administration. The institute is working under CCTV surveillance. Libsys software has been used for the management of library related activities. In view of COVID-19, online classes are being arranged along with offline laboratory classes for all programs, using Zoom, Microsoft team, Goggle meet etc.</p>
<p>Administration</p>	<p>Governing Council is the highest body to guide the institute to align to its society/industry perspective of vision and mission. Governing Council is responsible for review and approval of recommendations in respect of short term and long-term goals to achieve the set objectives. The Governing Council is based on participatory management to provide much needed transparency by including a senior faculty of the institute as a member in the governing body. Each year, based on the working of the previous year and feedback from stake holders, principal will prepare set of recommendations/request to management, through Governing Council, the necessary changes in academics and budgetary allocations. Management, in consultation with Governing Council, reviews the recommendations and allocates necessary funds for each department/purpose under each head. With confirmed allocations, Principal would have the necessary discretionary powers to go ahead with time-bound creation of facilities.</p>
<p>Finance and Accounts</p>	<p>Tally software is in operation for administrative work (Payment of salaries, accountability of CL/ML/vacation leaves etc. and Student Records). Student Admission and other activities related to student fee payment, examination fee payment is supported by Contineo software. Administrative officer looks after the</p>

	general administration of the institution. Senior Manager and Office Manager assist the Administrative officer in the matters related to salary, purchase, etc. A finance committee comprising of the management, Principal, Dean and Senior manager is responsible for the approval of all finance related activities.
Student Admission and Support	Managed by Contineo (MIS tool)
Examination	Managed by Contineo (MIS tool)

### 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
Nil	Mrs. Shreekala N	ASHRAE	ASHRAE	1533
2019	Mr. Narendra R	ISHRAE	ISHRAE	5310
2019	Dr.G.Shalini	International Symposium on 'Advances in Coastal Research with special reference to Indo Pacific-2019 (AdCoRe IP-2019) Chennai, India	Not applicable	6900
2019	Mr. Gurunagendra G R	SAE	SAE, INDIA	1298

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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)
2020	Latest Technologies in Association with Oracle Vol	NIL	06/07/2020	13/07/2020	100	Nil

	unteering					
2020	5-Days Faculty Development Programme on "Engineering statistics and Linear Algebra	NIL	22/01/2020	26/01/2020	57	Nil
2020	Online Webinar on NON Orthogonal Multiple Access (NOMA)	NIL	10/06/2020	10/06/2020	95	Nil
2020	Webinar on VLSI design for Artificial Intelligence and Machine Learning	NIL	29/06/2020	29/06/2020	100	Nil
2020	Webinar on Mobile Edge Computing (MEC) computing for 5G latency application	NIL	06/07/2020	06/07/2020	79	Nil
2020	Five day national online FDP on Deep learning techniques and Application	NIL	03/08/2020	07/08/2020	56	Nil
2019	VMC Operating Training	NIL	22/11/2019	22/11/2019	8	5
2019	Mathematics in Machine Learning	NIL	16/12/2019	20/12/2019	37	Nil
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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	Number of teachers	From Date	To date	Duration
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professional development programme	who attended			
Block chain	1	26/05/2020	30/05/2020	5
Artificial Intelligence	1	28/11/2019	02/12/2019	5
TEQIP sponsored International Workshop on "Electric Power Grid Modernisation: Trends, Challenges and Opportunities" (online)	1	20/07/2020	24/07/2020	5
AICTE Training And Learning (ATAL) Academy online FDP on "Data Sciences", Dr Babasheb Ambedkar Technological University, Lonere,	1	30/04/2020	04/05/2020	5
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
5	5	2	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident fund, Gratuity, Group insurance	Provident fund, Gratuity, Group insurance	Group Insurance

**6.4 – Financial Management and Resource Mobilization**

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

National Education Foundation trust undergoes both Internal and External audits as per the norms of the Institute and Government regularly. Accounts department headed by Senior Manager maintains financial accounts and prepares all financial statements and submits them to the management. Financial statements for statutory bodies like AICTE, UGC and State Government are prepared and sent by the office of the Senior Manager. The college has both Internal and External audit system. Finance committee: There is a finance committee constituted as per UGC recommendations and the committee is responsible for the complete financial transactions of the institution. The Committee verifies Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various

accounts, balance dates, and postings. External Audit: N N Somesh has been the auditor for the Institution from the past two decades. An annual external audit is conducted, and the audited balance sheet of every year is submitted to the management. Audit of funds received from Government, Non-Government, research funding agencies, and consultancy is done as per the guidelines of the funding agencies as and when required.

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
NIL	0	NIL
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

0
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## 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	No	Nil	Yes	GAT IQAC
Administrative	Yes	Somesh Co.	No	Nil

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

- Pre-admission counselling of students with parents is conducted every year.
- Parents-Teacher meet in every semester is conducted and students' performance will be discussed with parents.
- The activities of the department are also highlighted to the parents during the meeting.

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

- Support staff will be provided with opportunity for higher studies
- They are sent for training program on need basis.
- Institute organized 5 day Technical staff development program on Professional Skills.

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

1. Due to the outbreak of Pandemic, there were many academic issues. Pending syllabus in the even semester of academic year 2019-20 was completed and remaining internal examinations were conducted in online mode.
2. Provision of Hardware and Software facilities to conduct the classwork for 2020-21 academic year through online mode was initiated.
3. Precautions/measures in the campus against COVID-19 unlock were initiated as per the Standard Operating Procedures issued by the Government.
4. Internal training programs for teachers on teaching learning process including outcome based education.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year





		community					
2019	Nil	Nil	14/08/2019	Nil	nil	nil	Nil
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
Nil	12/11/2019	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nil	02/08/2019	24/07/2020	Nil
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Waste water treatment and recycling.
- Increase in plantation and greenery area
- Rain water harvesting
- Solar Power for captive use
- World Environment Day celebrations

**7.2 – Best Practices**

7.2.1 – Describe at least two institutional best practices

1. Counselling and Mentoring Each faculty in the department has been assigned 15 -20 students. The faculty mentor interacts with the mentees periodically and provides necessary information about college practices, follow up their progress regularly and guides them throughout the four-year course. The mentor discusses with the student, finds out whether there are non-academic reasons for a student's declining performance, and advises on appropriate study or other measures to be taken and mediate between a student and other faculty members if necessary. If it is necessary, the case will be forwarded to higher level (Institute student counsellor)

2. Innovative teaching and learning practices Innovative Teaching and learning process is required for the better understanding of the curriculum by the students. It is also helpful in bridging the gap between the curriculum and the Industry. The faculty members use modern teaching aids like PPTs, videos, live demonstration, models, and case studies in the classrooms to facilitate better understanding of concepts. The students are given an opportunity to learn and present concepts which aid in improving their communication skills, self-learning capability and learn to work in a team.

3. Parents' Teacher Interaction Parent-teachers meeting is organized between parents, and teachers to discuss students progress in college. In case of students with shortage of attendance, Parent-teacher meet is arranged to inform the parent about the low attendance and poor performance and work in tandem with the mentor in mitigating this problem. The Parent-Teacher Meeting is one of the important parameters which creates harmonization, coordination and synchronization amongst parents and teachers. A Parent-Teacher meeting is organized every semester with an objective to bring the institute and parents together for improving students' performance by maintaining harmonious relationship between parents and teachers. Global Academy of Technology is successful in such interaction with parents and is highly appreciated by parents' community.

4. Issuing additional books for academic toppers To encourage bright students, department identifies meritorious students in all semesters and are honoured for their efforts by distributing certificates. Additional support is given to the students by providing additional textbooks for every semester from department library as well as college library.

5. Appreciation letter to faculty members achieving 100 results Great teachers are

passionate about their subjects and make a lasting impact on their students. Appreciating teachers can inspire them to work better and help them to achieve even better results. Global Academy of Technology appreciates faculty members by giving them appreciation letter for their excellent efforts in achieving 100 results. 6. News letters Every department at Global Academy of Technology publishes biannual or annual newsletters. The newsletter provides a platform for the students to showcase their technical and written communication skills. The newsletter is designed by students and includes articles written by them. It also publishes student and faculty achievements, sport events, cultural events, paper presentations, workshops, and conference details.

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

### 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

1. Counseling of prospective students at the time of admission by the head of the institution in the presence of parents 2. Internship for students at premier Institutes 3. Industry institute interaction and counseling center

Provide the weblink of the institution

[www.gat.ac.in](http://www.gat.ac.in)

### 8.Future Plans of Actions for Next Academic Year

The focus of the institute is to improve the laboratory infrastructure by bringing new industry relevant technology to enable higher level of learning in students, foster integrated learning by providing multiple industry relevant interfaces, enable students to take up industry relevant projects and encourage faculty to take up research by providing ability to add customer logic. Future Plans i. As part of the vision of the institution, IQAC shall initiate actions to secure National Institutional Ranking Framework (NIRF) ranking within 200 within a year or two. ii. The pandemic has given a paradigm shift to the teaching learning processes and the importance of online classes is fully recognized by IQAC. IQAC shall make available the e-content useful to the students by improving facilities of e-Content development. iii. IQAC, through Entrepreneurship Development Cell of the institute, shall initiate actions to conduct more number of Entrepreneurship Development Programs. iv. Innovations, Incubation, start-ups are becoming an integral part of engineering education. IQAC shall interact with all stakeholders to enhance the activities of Incubation centre and encourage incubating startups in the campus. v. IQAC shall initiate actions to obtain NBA accreditation to non-accredited branches of the institution. vi. IQAC shall revise the Performance Appraisal System comprising various parameters related to academic talent, qualifications, innovations, Research Development, contributions to the society, etc. and set benchmarks for those parameters to meet the requirements of an autonomous institution. vii. IQAC shall encourage faculty to register for Ph.D., assist the research scholars to improve the quality of their research, and encourage faculties to publish quality papers in reputed journals. viii. IQAC shall encourage the departments to have more number of MOUs with reputed industries. Departments must ensure that at least two MOUs must be signed during 2020- 2021. ix. IQAC shall encourage the departments to have at least one major funded research project form funding agencies like AICTE, DST, CSIR, VGST, ISRO, and corporates from IT industry. x. IQAC shall encourage the departments to conduct at least one faculty development program / national conference/international conference. xi. IQAC to initiate actions for sending faculties to Academic Development Programs/ Industry Training Programs in the

specific areas requiring assistance for effective teaching. xii. IQAC to strengthen Alumni involvement in Research funding, consultancy, Incubations, Startups, etc.