



## Yearly Status Report - 2017-2018

### 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	Santosh M Muranal
Phone no/Alternate Phone no.	08028603158
Mobile no.	9886673000
Registered Email	murnal.santosh@gat.ac.in
Alternate Email	murnal.santosh@gmail.com

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.gat.ac.in/">http://www.gat.ac.in/</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
Establishment of Teaching learning Center	02-Jul-2018 30	30
No Files Uploaded !!!		

**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
nil	nil	nil	2018 0	0
<a href="#">View File</a>				

**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

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

3

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)**

Establishment of Teaching and Learning Center Institute

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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
Improvement in teaching learning process	Establishment of teaching Learning Center
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
National Board of Accreditation	29-Mar-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	29-Mar-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	26-Mar-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	CONTINEO the MIS used at GAT has the following modules 1. Student management

## 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

For the effective implementation of the curriculum keeping in mind the outcome based education (OBE), Institute has constituted Teaching Learning Process Committee headed by Principal and all heads of the department are members of the committee. The function of this committee is to plan, disseminate and implement curriculum for effective student learning. The institute also has a very active IQA cell which monitors curriculum implementation by conducting academic audits during the semester. Curriculum delivery and documentation at GAT: The University publishes Academic Calendar at the beginning of every semester that includes the commencement of semester, last working day of the semester, semester end practical and theory examinations and also commencement of next semester. College Calendar is prepared every semester according to the guidelines of the university. This includes the schedule of three Internal Assessments and details of public holidays in addition to the details provided by the university calendar. Department Calendar: Based on the inputs from Institute Calendar, list of events is identified to fulfill the curriculum gap such as Guest Lectures, Workshops, and Industrial Visits. Then the calendar is published. With reference to the Academic Calendar and based on Subject Allotment, Lesson Plan Document will be prepared by the Course Coordinator and time table is prepared by the time table coordinator. Teaching learning Process: The process of Teaching - Learning followed by the department is as follows: The Head of the Department conducts a faculty meeting in the beginning of every semester to address the following: Subject allotment based on their preferences and Competency Guidelines for effective Teaching and Monitoring in the class Importance of taking Tutorial Class Based on subjects allotted, Time Table will be prepared by the time table Coordinator and lesson plan document is prepared by each Course Coordinator. Identification of Weak and Bright students are identified at course level. Each faculty is allotted with a set of

students to counsel them before every Internal Assessment to observe the overall progress of the student. Students found with severe issues are identified and addressed to the professional counselor appointed in the institute. Periodic Monitoring of student's attendance, Internal Assessment marks are made by each faculty as well as Class In-charge and intimated to their parents through both SMS and call. Once the Semester End Exams are over, performance of the students of each semester is analyzed and is documented.

#### 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
Microsoft certification	Microsoft certification	23/04/2018	3	Bridge the gap between academia and industry	Robotics, IOT and embedded systems

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
Mtech	Structural Engg, Thermal Engg, Computer science	01/08/2017
BE	ME, CV, EE, EC, CS, IS	01/08/2017

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

	Certificate	Diploma Course
Number of Students	65	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
No Data Entered/Not Applicable !!!		
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#### 1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CS, EC, ME, CV, IS	196
No file uploaded.		

### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
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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
<p>Student Feedback is one of the parameter to measure the performance of teachers in classrooms in Teaching Learning Process. The student feedback is taken at two levels 1. At the mid of the semester, offline feedback is collected from the students. 2. At the end of the semester, students give online feedback through Contineo software. The Faculty feedback is given by the students based on the level of preparation, presentation, motivation, ambience, clarity, discipline, punctuality, completeness, tests and relationship Action taken on student feedback 1 Faculty whose feedback grade is 4.0 and above are appreciated for their efficient teaching. 2 Faculty whose feedback grade is between 3.0 and 3.5 are instructed to improve the teaching, interact more with students and clear the concepts. They are also suggested to develop good communication skills. 3 If the Feedback grade is between 1.0 and 2.0, immediate replacement of the faculty will be made by Head of the Department to ensure quality teaching to the students. Alumni, employer and parent feedback is taken once in a year and their feedback is taken for improvement in teaching learning and towards overall personality development of the students</p>

## 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		756	810	716
Mtech		84	30	26
MBA		120	135	120
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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
2017	3149	288	168	22	190

### 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	Numberof smart classrooms	E-resources and techniques used

190	150	50	30	3	11
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student mentoring system is available in the institute at different level as mentioned below Student mentoring system is available in the institute at different level as mentioned below Individual counseling The counseling centre is designed to assist students with academic, personal, and social concerns. The Counsellor can assist with a wide-variety of personal issues, including but not limited to, stress, anxiety, depression, relationship conflicts, loss and grief, sexuality, life decisions, homesickness, college-related transition, professional skill development, and academic concerns Academic counseling Academic counseling exists to assist students with issues that affect their ability to learn or are impeding their academic success. Counsellor can assist in addressing issues such as test anxiety, test preparation, learning strategies, stage fright, time management, study skills, communication and personal management. Mandatory counseling The center overlooks the mandatory counseling of every student in the college by a proctoring/mentoring system in which a set of 20-25 students are assigned to a faculty. Each faculty has to conduct at least 3 mandatory sessions in a semester to screen students for potential issues that might affect their academic performance or general well being and refer them to the counseling center for further help Also under special circumstances such as identification of suicidal tendency, bullying, abuse, mental health issues and substance abuse, the student may be asked to mandatorily attend counseling. Family/parental counseling Support and help is provided to parents in handling adolescent related issues Crisis intervention Psychological first aid and assistance to reach first line of medical help in case of emergency Referral Referral to psychological and psychiatric service is provided when required. Need based workshops and training programs to both staff and students Psychometric assessment and profiling of students Activities Organizing, facilitating, monitoring and reporting of all counseling activities at stage I Periodic review meetings to identify and improve the effectiveness of counseling at stage I Monitoring of referrals to stage II counseling Organizations of workshops and training programs

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3437	190	1:18

## 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
190	190	0	29	10

### 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
2017	Theja S N	Assistant Professor	CSP Iyer endowment award
2018	Dr Anandthirtha B Gudi	Professor	Kannada Rajarajeshwari Award
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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last	Date of declaration of
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			semester-end/ year-end examination	results of semester-end/ year- end examination
BE	1GA	Semester	26/05/2018	28/07/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As the Institute is affiliated to Visvesvaraya Technological University, the internal evaluation system is guided by university regulations.

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

The University publishes Academic Calendar at the beginning of every semester that includes the commencement of semester, last working day of the semester, semester end practical and theory examinations and also commencement of next semester. College Calendar is prepared every semester according to the guidelines of the university. This includes the schedule of three Internal Assessments and details of public holidays in addition to the details provided by the university calendar. Department Calendar

## 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)

<http://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
1GA	BE		713	675	95
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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)

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

## 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
No Data Entered/Not Applicable !!!				
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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
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NIL	NIL	02/12/2018
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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
NIL	NIL	NIL	02/12/2018	NIL
No file uploaded.				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	02/12/2018
No file uploaded.					

**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
Electronics and Communication Engineering	1
Civil Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	15	1.8
National	Information Science	2	2.06
International	Information Science	2	1.8
International	Electronics and Communication	9	6.22
International	Computer science	4	0.32
International	Civil Engineering	3	2.05
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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
Civil Engineering	1
Electronics and communication Engineering	14
Computer science engineering	1
Mechanical Engineering	3
Information science	6
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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
Influence of Percent Filler on Tensile Strength, Impact Strength and Wear Properties of the Al7075-Cenosp here Composite	D.V. RaviKumar, Seenappa, P.B.Asha, C.R. Prakash Rao	Materials Today	2018	0	Global Academy of Technology	1
Effect of Machining Parameters on Cutting Tool Temperature and Tool Life while Turning EN 24 and Hcrhr Grade Alloy Steel	Asha P. B., Prakash Rao C. R., Kiran R., Ravi Kumar D. V.	Materials Today	2018	0	Global Academy of Technology	1
Influence of Machining Parameter on Cutting Force and Surface Roughness While Turning Alloy Steel	Poorna Chandra, C.R. Prakash Rao, R.Kiran, V. Ravi Kumar	Materials Today	2018	0	Global Academy of Technology	1
Influence of Edge Condition of Cutting Tool on Cutting Force and Surface Roughness while Machining	Prakash Rao C. R., Bhagyashekar M. S. RajagopalVeda Vyasa M	Materials Today	2018	0	Global Academy of Technology	1

Aluminum-Fly Ash Composites						
Corrosion Behavior of Cenosphere Reinforced Al 7075 Metal Matrix Composite	Ravi Kumar D. V., Seenappa, Prakash Rao C. R., Bharat V	Journal of Minerals and Materials Characterization and Engineering	2018	0	Global Academy of Technology	1
Influence of Mechanical	H.S.Kumara swamy, V.Bharat, T.Krishna Rao	Materials Today	2018	0	Global Academy of Technology	1
Effect of Stirring Parameters on Microstructure of Aluminum hybrid Metal Matrix Composite	H S Kumara swamy, V Bharat, Dr. T Krishna Rao	IOP Conf. Series	2018	0	Global Academy of Technology	1
Evolution of Diverging spits across the tropical river mouths, central west coast of India	Shalini.G	Journal of Coastal Zone Management	2017	1	Global Academy of Technology	1

No file uploaded.

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
Potentials of Rare earth and other placer mineral occurrence along the northern Karnataka	Shalini.G	Indian Journal of Geo-marine sciences	2017	1	1	Global Academy of Technology

coast  
India

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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	19	17	64	37
Presented papers	9	3	5	0
Resource persons	0	2	6	4

No file uploaded.

### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NIL	NIL	0	0

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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	0	NIL	0

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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	Duration From	Duration To	Participant
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		/research lab with contact details			
Internship	Project Placement	Mangalore University	15/06/2017	31/07/2017	05
Internship	Project Placement	Mangalore University	11/06/2018	25/07/2018	5
No file uploaded.					

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
Dayanand Sagar Academy of technology and Management, Bengaluru	04/04/2017	Research	0
ATS Infotech Pvt. Ltd	19/01/2018	Training and workshops to students	121
ATS learning solutions, NewDelhi	19/01/2018	Student training on IOT	37
Advance Electronic Systems	07/01/2018	Support project Innovations	30
ATS	19/01/2018	International Certification, Infrastructure for conducting certification exam	13
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
2000	2079

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added

Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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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 patially)	Version	Year of automation
LIBSOFT	Fully	10.0 Web version	2009

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	5621	155391	399	148475	961	30386
Journals	937	192570	64	129263	1001	199998
Digital Database	2	179916	0	0	2	99999
Library Automation	1	96000	0	0	1	96000
Text Books	22635	616299	1608	719223	24243	1335522
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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
NIL	NIL	NIL	02/12/2018
No file uploaded.			

#### 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	806	14	80	1	0	20	10	80	0
Added	79	0	20	0	0	0	0	20	0
Total	885	14	100	1	0	20	10	100	0

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

100 MBPS/ GBPS
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##### 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
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Vedoe Lectures	<a href="http://www.youtube.com/watch/Bi96J4pMEw">www.youtube.com/watch/Bi96J4pMEw</a>
Vedoe Lectures	<a href="http://unacademy.com/course/turbines-and-ic-engines/4ZQJFIAP">unacademy.com/course/turbines-and-ic-engines/4ZQJFIAP</a>
Vedoe Lectures	<a href="http://unacademy.com/course/industrial-automation/HEEU6TAR">unacademy.com/course/industrial-automation/HEEU6TAR</a>
Vedoe Lectures	<a href="http://unacademy.com/course/refrigeration-and-air-conditioning-909/1VEE0IS1">unacademy.com/course/refrigeration-and-air-conditioning-909/1VEE0IS1</a>
Vedoe Lectures	<a href="http://www.youtube.com/watch/bQpyM59Gw0">www.youtube.com/watch/bQpyM59Gw0</a>
Vedoe Lectures	<a href="http://www.youtube.com/watch/vTMNx15ZlUE">www.youtube.com/watch/vTMNx15ZlUE</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
300	270	1000	985

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)

Physical infrastructure faculties are maintained by Estate office consisting of enough manpower lead by facilities manager and estate engineer All academic activities and facilities including library are taken care by respective department heads with the concurrence of dean, principal and management. All other support facilities namely, sports, extra-curricular activities, computers are all taken care for all the departments at a central level by designated units with enough support staff. The institute website link [www.gat.ac.in](http://www.gat.ac.in) provides complete details of all facilities existing in the institute

<http://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	KMDC	36	1676210
b) International	Nil	0	0
No file uploaded.			

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
Progressive Training Program -Aptitude and	30/08/2017	110	STEP UP learning

softskill phase 3			
Progressive Training Program -Aptitude Phase 2	04/09/2017	407	FACE, STEP UP learning
Progressive Training Program -Aptitude Phase 2	05/09/2017	293	10 SECONDS, The Symphonic Ethics Foundation
Progressive Training Program -Aptitude Phase 1	05/09/2017	301	TALENTEASE
Preplacement training program - Aptitude and skill	31/07/2017	347	SEVENTH SENSE, J V GLOBAL
Progressive training program softskill phase 2	09/10/2017	512	STEP UP LEARNING, VISTA MINDSOLUTIONS,
Progressive training program Aptitude and softskill phase 2	07/11/2017	194	BIZOTIC TALENT SOLUTIONS
Progressive training program Aptitude and softskill phase 1	10/10/2017	300	LEAP CONSULTING
Progressive training program Aptitude and softskill phase 1	07/11/2017	113	STEP UP LEARNING SOLUTIONS
Progressive training program Aptitude and softskill phase2	14/03/2018	491	TALENTEASE, LEAP CONSULTING
Progressive training program Aptitude and softskill phase3	20/03/2018	550	FACE, STEP UP LEARNING SOLUTIONS
Progressive training program Aptitude and softskill phase3	24/04/2018	435	10 SECONDS, TSEF, BIZOTIC TALENT SOLUTIONS
Progressive training program Aptitude and softskill phase2	25/04/2018	75	STEP UP LEARNING SOLUTION
Fundamentals of Physics	29/01/2018	113	GAT
MATLAB programming	06/02/2018	59	GAT
No file uploaded.			

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
2017	NIL	0	0	0	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 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
Infosys, Bosch etc	4524	274	Wipro, IBM etc	557	31
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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
2017	47	Engineering	CSE, ME, ECE, CV, EE, IS	University of Massachusetts, Wayne State University, Jonkoping University, Chalmers University of Technology, Dublin Business School, Maraldalen University, Manipal University, University of Huston, Macquarie University etc	MS, MTech, 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
GRE	10
TOFEL	8
Any Other	15
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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
Bhavana Gangadhar Memorial Inter-Collegiate Throw Ball Tournament 2017	Inter Colligate State level	132
VTU Bangalore zone and Single Zone Inter collegiate Net Ball - Men women Tournament 2017	Inter Colligate State level	300
VTU Blore zone Inter Zone Kho Kho Women Tournament 2018	Inter Colligate State level	276
Throw Ball Tournament 2018	Inter department	120
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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
2018	Nil	National	0	0	nil	nil
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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)

The members of student council committee were present in the meeting convened by principal, Global Academy of Technology to give their suggestions in smooth conduction of intercollegiate fest Interact-2018. The student council members expressed their views and suggestions for the smooth conduction of the college event Interact 2018. They suggested to form core committee of student members and sub core committee of student members to take care of the responsibilities for the conduction of interact 2018 and also they suggested having ethnic day at college level before interact event. Few of student council members have took initiative to handle certain responsibilities like working in the core team members of sponsorship, marketing, stage and hospitality committees which are formed for interact 2018. Few of them took initiative in preparing the budget requirement for the event. For the benefit of students, the council members had planned to celebrate the birthday of Dr. A P J Abdul Kalam. In the mean time they took initiative in conducting collage and pating competition which related to Dr. Abdul Kalam. They also took initiative to celebrate

science day celebrate science day in the month of February

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Nil

### 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 very important part of academic excellence and imparting quality teaching would be addressed by a separate Internal Quality Assurance Cell with a mandate to review curriculum, teaching-learning and assessment 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

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
Library, ICT and Physical Infrastructure / Instrumentation	Exclusive unit heads work directly under principal of the institute to provide and maintain all necessary facilities
Human Resource Management	It is directly managed by Principal with the support of governing council and board of management
Industry Interaction / Collaboration	A senior professor at the institute level will facilitate all requirements of internship, interaction or collaboration with industries
Admission of Students	Office of the principal will take care of all admission related activities using Student Information System, MIS Tool.
Curriculum Development	GAT is a Tier 2 institute affiliated to VTU and hence curriculum content is prescribed by 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
Examination and Evaluation	GAT is a Tier 2 institute affiliated to VTU and hence semester end examination is conducted by VTU. GAT is responsible for internal assessment tests. Students will be provided with 3 IA tests and 1 laboratory test as per the guidelines of VTU.
Research and Development	Dean, R and D is exclusively working in respect of Research and Development at the institute level to guide all faculty of the institute

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

E-governance area	Details
Student Admission and Support	Managed by CONTINEO, a MIS Tool for the past 3 years
Examination	Managed by CONTINEO, a MIS Tool for the past 3 years

**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
2017	nil	nil	nil	0
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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)
2017	MSC Software Simulation in Mechanical Engineering		16/11/2017	16/11/2017	16	0
2018	System Software and Compiler Design/Operating		17/01/2018	19/01/2018	1	0

	Systems Laboratory					
2018	Machine Learning		18/01/2018	24/01/2018	19	0
2018	Advanced Machine Learning Algorithms		12/07/2018	17/07/2018	30	0
2017	Workshop on safe handling practice of lab glasswares, chemicals and safety precautions	Workshop on safe handling practice of lab glasswares, chemicals and safety precautions	06/11/2017	19/11/2017	6	3
2017	Ethics in Education		06/11/2017	19/11/2017	3	0
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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 professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Database Application Development using Java, PHP, Python	1	02/08/2017	03/08/2017	2
FDP on Data Visualization Tools	1	06/09/2017	08/09/2017	3
FDP on Free and Open source Geospatial Technologies for Natural Resource Management	2	09/04/2018	13/04/2018	5
FDP on Current Issues Of Geo-Environmental Pollution	1	23/07/2018	28/07/2018	6
FDP on Design of Embedded Systems with ARM Cortex M3, dept ECE, BNMIT, Bengaluru	2	16/01/2018	20/01/2018	5

One Day Workshop on Sonar Signal Processing, Dept ECE KSIT ,Bengaluru	2	03/02/2018	03/02/2018	1
The Three Day FDP on Computer Network Lab, Conducted by dept of ECE, DBIT, Bengaluru	1	08/01/2018	10/01/2018	3
Two day FDP on Known Your Intellectual Property Rights- Patent Awareness Works hop,Conduct by Dept ECE, Oxford College of Engineering , Bengaluru	1	28/12/2017	29/12/2017	2
Six Days FDP on Advanced Machine Learning Algorithms	1	18/01/2018	24/01/2018	6
Four day FDP on System design using systmverilog organized by Dept. of VLSI design and embedded system, VTU Belagavi	1	24/04/2018	26/04/2018	3
One week FDP on IOT organized by Dept of ECE, JSSATE,Bengaluru	3	18/06/2018	23/06/2018	6
Biomedical Signal Processing organized by Dept of CSE,BNMIT, Bengaluru	1	11/06/2018	15/06/2018	6
Six Days FDP on Advanced Machine Learning organised by	3	12/07/2018	17/07/2018	6

Dept of ISE, GAT, Bengaluru				
Two week FDP on Ethics in Education Faculty-student transformation	2	06/11/2017	19/11/2017	14
One week FDP on Emerging technologies in short range wireless communication organized by Dept of TE,RVCE ,Bengaluru	3	02/07/2018	06/07/2018	5
Three day workshop on ARM CORTEX M3 EMBEDDED CONTROLLER, organized in association with MS. charan Technologies	2	23/01/2018	25/01/2018	3
Five day Faculty development program on Development of Embedded systems using ARM Cortex M0 Processors ,organised by III cell, GAT, Bengaluru	3	09/07/2018	13/07/2018	5
FDP on IOT Application development using python at Global Academy of Technology	11	23/07/2018	25/07/2018	4
FDP on World -class New Product Design and Manufacturing	2	01/01/2018	01/01/2018	1
FDP on Finite Element Method	2	03/02/2018	03/02/2018	1
FDP on Nano technology and applications	2	27/07/2018	27/07/2018	1
FDP on	1	22/01/2018	22/01/2018	1

Computational Fluid Dynamics				
FDP on ethics in Education	1	06/11/2017	19/11/2017	15
Modern materials and their applications	3	16/01/2018	20/01/2018	5
Recent Trends in Nanoscience and Nanotechnology	5	02/05/2018	03/05/2018	2
New Model Curriculum for First year BE CBCS	4	07/05/2018	07/05/2018	1
FDP on IoT Application Development Using Python at Global Academy of Technology, Bangalore	1	23/07/2018	25/07/2018	3
FDP on Machine Learning by Dep t.ofISE,Global Academy of Technology, Bangalore	10	12/07/2018	17/07/2018	5
FDP on Development of Embedded Systems using ARM CORTEX M0	1	09/07/2018	13/07/2018	5
National Symposium on Data Science and Statistics - Trends and Challenges at Dept. of ISE, JSSATE Bangalore	1	04/07/2018	05/07/2018	2
Workshop on New Model Curriculum for First year BE CBCS as per outcome based Education format including Course Outcomes and Blooms	1	14/05/2018	14/05/2018	1



Taxonomy by VTU at M S Ramaiah Institute of Technology, Bangalore				
Workshop on Wireless Mouse and Keyboard for physically Handicapped at Dept of ECE, The Oxford College of Engineering, Bangalore	1	14/05/2018	14/05/2018	1
Entrepreneurship awareness Camp by EDII SRO at Global Academy of Technology, Bangalore	1	15/02/2018	17/02/2018	3
FDP on Advanced Machine Learning Algorithms at Dept. of ISE, Global Academy of Technology, Bangalore	1	18/01/2018	24/01/2018	6
Workshop on Big Image Data Processing Using Machine Learning Algorithms at Dept. of CSE , National Institute of Technology , Warangal	1	11/12/2017	16/12/2017	5
Workshop on Advances in Communication Networks using NS3 at Dept. of ECE, RVCE ,Bangalore	1	11/12/2017	16/12/2017	5
National Workshop on IOT and Data Analytics at CSI , Hyderabad	3	25/11/2017	25/11/2017	1
FDP on Ethics in education	1	06/11/2017	19/11/2018	4

Workshop on Computer Network Programming in JAVA and Network Simulator 2 at SJBIT, Bangalore	1	10/08/2017	12/08/2017	3
FDP on Android Development Foundation Course by VTU	5	01/08/2017	05/08/2017	5
FDP on Database Application Development using Java, PHP and Python at Dept. of CSEISE, RNSIT, Bangalore	1	02/08/2018	03/08/2018	2
Workshop on IOT Applications	3	23/07/2018	27/07/2018	5
Workshop on MATLAB	1	23/07/2018	27/07/2018	5
Workshop on Modern Power Electronic Drives Design and Future Trends	1	16/01/2018	20/01/2018	5
Workshop on Power Systems Simulation studies using MiPower	2	15/01/2018	19/01/2018	5
Workshop on Embedded Systems	2	09/07/2018	13/07/2018	5
FDP on Machine Learning	4	12/07/2018	17/07/2018	6
FDP on Advanced Machine Learning Algorithms	3	18/01/2018	24/01/2018	7
Workshop on System Software and Compiler Design/Operating Systems Laboratory	12	17/01/2018	19/01/2018	3
FDP on Biomedical	1	11/06/2018	15/06/2018	5

signal processing				
FDP on Advances in Computing tools	1	11/08/2017	12/08/2017	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
190	190	96	96

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)

GAT is a self-financing private institution affiliated to VTU. The major source of revenue to the institute is through 1. Tuition Fee collected from students and 2. Funds provided by the NEF Trust. NEF Trust will be subjected to regular internal and external audits as per the norms of institute and government respectively

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
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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		Yes	GAT IQAC
Administrative				

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

1. Parent-teachers meet in every semester 2. Student progress discussion with parents after each test 3. Pre-admission counseling of students with parents

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

1. Training program for support staff 2. Support for higher studies on part-time basis

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

1. Teaching learning Center 2. Applying for Autonomy 3. Social relevant projects

6.5.5 – Internal Quality Assurance System Details

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

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
2018	Teaching Learning Center	03/02/2018	09/07/2018	12/07/2018	30
2018	SUVIDHA Design of wetland foe waste water treatment	14/07/2018	16/07/2018	21/07/2018	20
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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
NIL	02/07/2017	20/07/2018	0	0

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
100 percentage- Power requirement is 16000 kwh and Power generation by Solar system is 20000kwh.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0

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	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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		community					
2017	1	1	05/01/2018	30	Design of wetland SUVIDHA retirement village	Waste water treatment	22
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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)
NIL	02/07/2018	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
FACULTY DEVELOPMENT PROGRAM	06/11/2017	19/11/2017	50
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. E-WASTE MANAGEMENT AWARENESS WORKSHOP 2. RAIN WATER HARVESTING 3. SEWAGE TREATMENT PLANT
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## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<b>Teaching and Learning Center Community Service</b>
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
<a href="http://www.gat.ac.in/?gat_activities=teaching-learning-center-tlc">http://www.gat.ac.in/?gat_activities=teaching-learning-center-tlc</a>

## 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

Phased personality and placement training programs for all students Establishment of teaching-learning centre to enhance quality of teaching-learning Establishment of centres of excellence and purchase of high end equipments Admission quality improvement in management category
Provide the weblink of the institution
<a href="http://www.gat.ac.in/?page_id=5375">http://www.gat.ac.in/?page_id=5375</a>

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

Application for accreditation, Application for Autonomous status, Planning to start certification programs after NBA accreditation