



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution		GM INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. P. Prakash
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08192233345
Mobile no.		9448133377
Registered Email		principal@gmit.ac.in
Alternate Email		iqac@gmit.ac.in
Address		Post Box. No 4, P B Road
City/Town		Davanagere
State/UT		Karnataka
Pincode		577006
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Rajakumar D G
Phone no/Alternate Phone no.	08192233377
Mobile no.	9449974047
Registered Email	principal@gmit.ac.in
Alternate Email	iqac@gmit.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.com
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.gmit.ac.in/coe/201718COE_OD_D_EVEN.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B++	2.82	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC

01-Aug-2017

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
ERP	01-Aug-2017 365	2000
FDP ON MACHINE LEARNING & IMPLEMENTATION	04-Jul-2018 5	100

NCETERM Technical fest	08-Sep-2017 2	600
NAAC Accreditation	30-Oct-2017 365	2000
NSS Activity - Environmental Day	10-Aug-2017 1	100
NSS Activity - Awareness Program about Environment and cleaning the campus	21-Sep-2017 1	120
NSS Activity - Blood Donation camp	11-Nov-2017 1	100
NSS Activity - Personalty Development Program for first year students	03-Apr-2018 1	450
NSS Activity - International Yoga Day	05-Jun-2018 1	150
NSS Activity - Signing Campaign to create awareness about voting for Karnataka Assembly election 2018	11-May-2018 1	400
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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
GMIT/ME/Dr. D.B. Ganesh	VGSTCISEE	VGST, Karnataka	2017 365	1000000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

5

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. In house Development and Implementation of Institute ERP modules Library, NO Dues and "Lab exam remuneration. 2. Successful Organization of National Conference NCETERM 17.0 3. Effective Mentor Mentee System. 4. Establishment of MOUs with various companies to facilitate Internships Placement for students. 5. NSS Activities: Celebration of Environmental Day by planting 100 saplings, Initiating activities through women empowerment cell, Celebration of Women's day, Swachh Bharath Summer Internship Program in Devarabelakere village, near Davangere and Contributions in the pre accreditation phase of applying NBA for the institution.

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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
Placement training for students in the emerging Areas	Good Number of students have been placed in reputed organizations
College Website updating	Upgraded with more user friendly for easy access
Initiative towards faculty development programme	A faculty development programme was conducted on 4th,5th, & 6th July 2018
Improvements in the Library Services New Books/ Journals Subscribed	1433 New books added to library
Delta (National Level Tech Fest)	Organized on 8th and 9th September 2017
NAAC Accreditation	Institution accredited with CGPA of 2.82 on seven-point scale at B++ Grade
ERP	Computerization of Academic activities
All the departments are planning to motivate students to join online learning platforms	Students and faculty members are registered in online learning platforms like SWAYAM and NPTEL
Health Services	Basic Medical facility available for the students and staff
NSS Activities	Environmental Day organized on 10th August 2017 Awareness Program about Environment and cleaning the campus organized on 21st September 2017 Blood Donation camp organized on 11th November 2017 Personality Development Program first year students organized on 3rd April 2018 International Yoga Day celebrated on 5th June 2018 Signing Campaign to create awareness about voting for Karnataka Assembly election 2018 on 11th May 2018 Swachh Bharath Summer Internship Program organized from 23rd July to 27th July 2018

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	06-Mar-2021

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

Yes

Date of Visit

12-Apr-2017

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

13-Mar-2018

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)

The Institution has an ERP system to collect, organize process and validate different data for decision making. ERP provides functionalities specific to institutional needs and provide facilities to store and manage data by different stake holders. ERP keep the facts and figures updated and transparent. Prominently, the students' data is updated on regular basis and this information can be retrieved and the right information is made available to the right person, and is used for decision making. The access to GMIT ERP is available 24x7 ? LAN through URL: <http://gmiterp/erp/> with a speed of 20 MBPS. ? WiFi through URL: <http://erp.gmit.info/erp> with a speed of 25 MBPS. The GMITERP consist of the following modules 1. Academics 2. Students system 3. Hostel 4. Leave system 5. Payroll 6. Admission The 'Academics' section in the ERP gives access to the faculty members and higher authorities to the calendar of events, timetable, lesson plans, daily attendance report, IA marks entry, and exam marks entry. The calendar of

events includes all the academic and extracurricular planned activities such as commencement of the semester, scheduled IA dates, cultural activity day, etc...The time table section displays the scheduled classes, forum activities, and laboratories. The lesson plan section of ERP includes both 'planned dates' and 'actual dates' along with CO mapping to each module of the prescribed syllabus. The faculty documents the attendance and IA mark in ERP after every class/lab and IA respectively the access of the same is given to the student counsellors who can monitor the attendance status of the students and can counsel the student if there is a shortage of attendance. Each faculty can generate the progress report and also send the same to the parents/wards of the students of their respective counselling batch. As the faculty enter the student attendance of the class/lab, he/she should also map the respective topic discussed in the class which automatically builds the 'actual date' database in the lesson plan. Also, the leave management of the faculty is done via ERP where the faculty can apply for leave via ERP and the leave is availed when the leave is approved by HOD and the Principal. The 'Leave Management' section of ERP also includes the leave policies of the institution. The student feedback of the faculty is given via ERP and the same reflects on the respective faculty's ERP portal. The students give feedback about the faculty on 10 entities (Punctuality, Ability to explain, Blackboard work or PPT, Syllabus coverage, Organization of course activity, Discussion on test performance, Level of Motivating students, Effectiveness of teaching, Availability of teacher for consultation beyond class hours Overall rating). The same feedback is used by the higher authorities to suggest corrections in teaching methods to the faculty if required. The 'Activity section in the ERP portal includes the NBA work details wherein the faculty can document the NBArelated work done. The activity register can be used by the faculty to mention their strengths and take

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 Institution follows Outcome Based Education (OBE) process. In line with the syllabus prescribed by the VTU, Belagavi, the course teacher prepares curriculum aligning with the vision & mission of the institution. The faculty after going through the syllabus work on to establish the gap existing between the Semester End Evaluation (SEE) system as practiced by the university to which our institution has been affiliated and the attributes required to meet the expectations of the industry. The gap analysis involves identifying the gap in content or the Revised Bloom's Taxonomy Level (RBTL) to which every student is expected to learn and exhibit to use the process learnt to meet the requirements of the industry. During the beginning of the semester the lesson plan is prepared by each faculty based on the calendar of events for the respective course and is submitted to the HOD for approval. The same is communicated to students by the respective course teacher. This includes course objectives (COs), topics covered, references and Information and Communication Tools (ICT) to be employed, field visits and community orientation necessary for each curriculum component. The Curriculum delivery is planned and delivered to attain the Program Outcomes (POs) identified by each of the programs/departments aligned with POs as specified by NBA. Further the content to be delivered is designed to address attainment of Program Specific Outcomes (PSOs) detailed by the departments. The POs and PSOs for each of the departments have been uploaded to the college website. Institute follows calendar of events considering University mandatory academic schedule which is circulated to all the departments and thereby to students. Academic Deans monitor the academic activities on regular basis to ensure the execution of course curriculum as per the academic calendar. A well designed evaluation system involving effective teaching methods such as audio/visual presentations, assignments, discussions, workshops, seminars, internships, industrial visits and projects besides the traditional chalk & talk methods. Learner centric techniques such as assignments, peer learning, group discussion, certificate courses, add-on courses, case studies, projects, quiz etc. are employed for the effective delivery of the academic courses. The institute encourages its students to participate in Workshops/Conferences/Seminars organized by the University and other relevant bodies so as to update their knowledge and to improve the learning practices. The institute provides adequate number of books and other teaching and reference materials like journals, magazines, e-books and digital resources. A professional approach to preparing session plans for delivery and consumptions is being prepared to be implemented during the ensuring academic year. The faculty work on Plan-Deliver-Check/evaluation-Act (PDCA) for continuously improving the process. Teachers maintain a course file to record the lesson plan and delivery in each semester which is monitored by the HODs. Feedback from Student is taken at the end of the semester & is given due importance for continuous improvement in curriculum plan and delivery. The above process for record purposes is documented and preserved for further reference.

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
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"Java Object Oriented Programming Concepts"	Nil	01/07/2017	28	Nil	Skill development
"Training on Android Programming Tool"	Nil	01/07/2017	28	Nil	Skill development
C Object oriented Course	Nil	05/07/2017	28	Nil	Skill development

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
BE	Mechanical Engineering	07/08/2017
BE	Electronics Communication Engineering	07/08/2017
BE	Computer Science & Engineering	07/08/2017
BE	Civil Engineering	07/08/2017
BE	Information science & Engineering	07/08/2017
BE	Biotechnology	07/08/2017
MBA	Marketing/Finance	07/08/2018
MBA	Marketing/HR	07/08/2018
MBA	Core Finance	07/08/2018

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

	Certificate	Diploma Course
Number of Students	228	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
LOGO abbreviation	06/10/2017	30
General Quiz	13/10/2017	100
Tech Charades	16/02/2018	89
Technical Talk on C and C plus plus	23/02/2018	60

Cook without Fire	23/03/2018	15
Indoor Games: Badminton, Chess, Carrom	27/04/2018	50
Outdoor Games: Cricket	04/05/2018	22
Five Day "Bridge Course on OOPS with C"	05/02/2018	56
Five Day workshop on "Applications Development for File Management using C"	25/04/2018	56
Five Day workshop on "Fundamentals of GUI Design using Java Swings"	19/03/2018	51
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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
MBA	Masters of Business Administration - Internship	59
BE	E&C Engg. - Internship	98
BE	Information Science Engg. - Various Technologies in IT Field	51
BE	Civil Engg. - Field survey	62
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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
<p>As institution policy, Feedback is being obtained to evaluate the performance of the faculty about academics and classroom management inside the class room by his/her students twice during the semester at the beginning and at the end. 1. Formative feedback and 2. Summative feedback taken. The formative feedback is obtained during 3rd/4th week of every semester and the summative feedback is obtained during the final weeks of the semester. The students would participate in giving the feedback online. The formative feedback would be analyzed for both the academic performance and the inter-personal relationship criterion of the faculty competence as visualized by the student perception. The reasons for the said performances are identified by the individual</p>

faculty/department/institution and actions are strategized to eliminate the causes of disruption. The actions are implemented subsequently. The summative feedback is analyzed to establish the improvements on action initiated after the formative feedback. A feedback to evaluate the facilities provided by the institution and the ambiance provided for student centric learning is obtained at the end of the program every year from the outgoing final year students. The results are analyzed, corrective and preventive actions are initiated to overcome any flaw/s indicated by the said feedback. Also feedback is obtained from alumni towards their possible contribution to curriculum development/curriculum enlargement/enrichment, to support our students in employment and creating an awareness of expectations of the industry in fresh graduates. The obtained feedback is analyzed and the action taken report is prepared and corrective actions are implemented subsequently.

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
MBA	Masters in Business Administration	60	80	59
BE	Biotechnology	45	40	29
BE	Electronics Communication and Engineering	120	140	130
BE	Mechanical Engineering	120	118	129
BE	Civil Engineering	60	50	76
BE	Information Science and Engineering	60	75	62
BE	Computer Science and Engineering	60	70	55

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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	457	59	95	8	Nil

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	Number of	ICT Tools and	Number of ICT	Numberof smart	E-resources and
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Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
103	87	3	17	Nil	3

[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)

Most notable among the changes in teaching learning process are that we have cut out individual faculty reports and replaced them with an institutional perspective we have introduced graphs and charts to support the visualization of data trends. We have decided to showcase each year specific areas in more detail - this year we focus on the work done by each faculty. We will strive each year to make this report more readable, appealing, and strategic by providing more integrated information about the core function of teaching and learning and its interface with the research and support functions. The process of teaching learning will involve both teaching and technical staff. The students will be designated under a mentor in the first year only. The mentor will be involved in monitoring students with respect to various issues which He / She may come across during His/Her tenure in the campus. Some of the typical issues are attendance, internal assessment marks, personal psychological problem (not related to financial). The mentor will have document about the overall performance, behavior, Curricular, Co-Curricular and other activities taken up by the students. The mentor informed the parents/ Guardian the disturbance/regularities of found by the student. The main responsibility of mentor is to keep the student in disciplined academic path. The teaching staff / authorities inform the mentor about any irregularities of the student the mentor is a local guardian who develops the student by understanding the skills present in him. The mentor also sees the prospect in carries development such as soft skills. Presentation skill, attending workshop, conference and so on. When it comes to the outcomes of teaching and learning, there has been an improvement in the quality of passes across faculties yet success rates have dropped. This situation that can be partially attributed to uncertainties about the continuity of the academic year during the protest. Of particular concern is the growing gap in performance between Bright and Slow learners. We need to better understand the actual impact of extended programmes in the retention and graduation of students. The data suggest that one cannot assess the impact of the extended programmes without interrogating the mainstream courses further up the degree. Curriculum change and staff development cannot be separated. In a sense the one is dependent on the other. Curriculum change, whether along Programmes or Courses lines as proposed by University or from any other educational entities requires staff capable of engaging students in learning and sufficiently well equipped to develop appropriate assessment for each course. Student protest has also had a productive impact on structured staff development programmes such as the New Academic Practitioners Programme which has to be incorporated with new approaches to think about academics' positionality. As hybrid learning models can vary significantly, we have to focus on the hybrid learning model that refers to classroom settings that simultaneously combine the teacher and some learners in the same physical space plus other learners participating remotely.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1730	114	1:15

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
78	100	10	6	18

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	Kotreshi SN	Assistant	Bronze

		Professor	Certificate from INFOSYS, Bangalore
2017	Mr. Shivanna K	Assistant Professor	National Paper
2017	Mr. Deepak D J	Assistant Professor	National Paper
2017	Dr. Mouneshachari S	Associate Professor	ICACIE International conference springer Paper
2017	Santosh Kumar M	Assistant Professor	Bronze Certificate from INFOSYS, Bangalore
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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	UG-CS	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
BE	UG-IS	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
BE	UG-ECE	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
BE	UG-CV	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
BE	UG-ME	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
BE	UG-BT	2,4,6,8/1,2,3,4	26/05/2018	07/09/2018
MBA	PG-MBA	2,4/1,2	13/07/2018	20/09/2018
BE	UG-CS	1,3,5,7/1,2,3,4	25/11/2017	17/01/2018
BE	UG-IS	1,3,5,7/1,2,3,4	25/11/2017	17/01/2018
BE	UG-ECE	1,3,5,7/1,2,3,4	25/11/2017	17/01/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Most undergraduate courses include students with a range of academic abilities, interests, skills, and goals. Differences in preparation, abilities, and learning styles are likely to be more noticeable when new information is abstract and complex. Individual students do not make uniform progress. Faculty members of our institute begin the course with teaching portfolios composed of work samples and self-evaluative concept based on instructions and guidance of senior member or peers. A course file including copies of syllabi, assignments,

handouts, and teaching notes, Video lectures, NPTEL, or assignments. The descriptions of steps taken to evaluate and improve teaching such as exchanging course materials with colleagues or using feedback techniques. Videotaping is one way to view and listen to the class as your students do where we observe students reactions and responses to our teaching. We can also check the accuracy of our perceptions of how well you teach and identify those techniques that work and those that need improvement. Some may be informal recording by the instructor can be useful and effective. However, we can also use professional development office to view the tape with you to avoid focusing on your appearance or mannerisms. Combine classroom observation with other strategies that enrich the presentation skills such as improving students' presentation skill, reviewing materials, and examining student assignments. The students are made self-conscious about the learning that can occur for the observer. Depending on their questions and purposes Conducting Effective Classroom Observations. The senior faculties/ peer review faculty programs which include classroom visits share a number of features. These programs work best when faculty members: Use a team or partner approach, in which faculty pair up or work in small groups to visit one another's classes.

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

Adherence to Academic calendar Department calendar of events is prepared well in advance before the commencement of the semester based on college calendar of events. It consists of the activities planned for the semester which includes Academic activities, internal test dates, conduction of events like organizing guest lectures, conferences etc. VTU calendar, College Calendar and Department calendar are used to create a lesson plan before the commencement of the class and Course file will be built during the semester. There will be a little variation in date and time during execution of the lesson plan. • Course allotment is done well in advance for the staff to prepare lesson plans, course plan, soft and hard copies of the lecture notes. • As per the university guidelines 10-12 experiments are to be conducted. One or two experiments are conducted beyond the specified list for relevant courses. Laboratory manual explaining the details of the experiments, designing issues are available with the course coordinator and are given to students at the commencement of the semester. The faculty of department adopts various innovative Teaching Learning methodologies to create the best learning environment for students. • These methodologies include traditional black board teaching, presentations, video lecturing, collaborative learning methods are used where every concept is explained with real world illustrations, design and problematic aspects are conveyed by short cut methods. • Assignments are given to students for their better performance. • Invited talks and seminars on the current trends are done regularly from the Academic / industry Experts. • Tutorial/Remedial classes are conducted for the slow learners based on their performance in external exams and after the internals. • All the faculties maintain Attendance registers, course files. • Industrial visits are conducted at least once a year to reduce the gap between industry and institute. • Workshops are organized to help the students to understand concepts beyond curriculum. • Motivate the slow learners to attend tutorials and help them solve more problems. Encourage the bright students to attend more workshops and technical talks.

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://gmit.ac.in/76/po2017-18.pdf>

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
PG-MBA	MBA	Masters in Business Administration	54	36	66.67
UG-ECE	BE	Electronics and Communication Engineering	120	115	95.83
UG-BT	BE	Biotechnology	24	24	100
UG-ME	BE	Mechanical Engineering	122	118	96.75
UG-CV	BE	Civil Engineering	57	54	94.73
UG-IS	BE	Information Science & Engineering	49	49	100
UG-CS	BE	Computer Science and Engineering	66	66	100

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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://gmit.ac.in/naac/c2/2017-18/2.7/Graduate%20Survey%202017-18.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	Nill	Nill	Nill	Nill
Minor Projects	Nill	Nill	Nill	Nill
Interdisciplinary Projects	Nill	Nill	Nill	Nill
Industry sponsored Projects	Nill	Nill	Nill	Nill
Projects sponsored by the University	Nill	Nill	Nill	Nill

Students Research Projects (Other than compulsory by the University)	365	KSCST	0.55	0.55
International Projects	Nil	Nil	Nil	Nil
Any Other (Specify)	Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil	Nil
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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
No Data Entered/Not Applicable !!!		

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
Design and development of low cost 3 axis desktop CNC Milling Machine for Rapid Prototype	Vijay M N, Syad Jakeer Hussain, Venkatesh G, Vikas G U	CADD CENTER	09/07/2018	Design your Destiny
Design and development of onion topping and sorting machine	Omkar A D, Suraj Devale, Srinidi M N, Sharath Kumar H M	CADD CENTER	09/07/2018	Design your Destiny
Infosys campus connect partnership awards	Kotreshi S N	Infosys	23/03/2018	Inspire - The Campus Connect Faculty Partnership Model
Infosys campus connect partnership awards	Santhosh Kumar M	Infosys	23/03/2018	Inspire - The Campus Connect Faculty Partnership Model
A Secure Message Integrity in Cloud Computing with Combined Cryptographic Approach	Shivanna k	International Conference on Recent Innovations in Science, Engineering and Technology (ICRISET-18) held at HIT,	19/05/2018	Best Paper

Nidasoshi on
18th 19th May,
2018.

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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
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	7	Nil
International	Civil Engineering	6	6.35
International	Information Science and Engineering	4	1
International	Mechanical Engineering	9	2.5

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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
Electronics and Communication Engineering	7
Information Science and Engineering	2
Mechanical Engineering	1

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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
Privacy Preservati	Mr. Santosh Kumar M	Springer - Computer	2017	6	GM Institute	6

on in cloud computing with Double encryption Method		Communication, Networking and Internet Security			of Technology Davangere	
A survey of optimization of rate-distortion techniques for H. 264 scalable video coding	Mr. Sandeepa G S	International Proceedings on Advances in Soft Computing, Intelligent Systems and Applications. Springer	2017	1	GM Institute of Technology Davangere	1
Privacy Preservation in cloud computing with Double encryption Method	Mr. Shivanna K	Springer - Computer Communication, Networking and Internet Security	2017	6	GM Institute of Technology Davangere	6
High efficient video coding using weighted entropy with optimized quantization matrix	Dr. Sunil Kumar B S	Journal of King Saud University- Computer and Information Sciences	2017	1	GM Institute of Technology Davangere	Nil
An Extensive survey over Traffic management/Load Balancing in cloud computing	Amith Shekhar C	International Journal of Advanced computer Science and Applications	2017	1	GM Institute of Technology, Davangere	Nil
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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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A survey of optimization of rate-distortion techniques for H. 264 scalable video coding	Mr. Sandeepa GS	International Proceedings on Advances in Soft Computing, Intelligent Systems and Applications. Springer	2017	1	1	GMIT, Davangere
Privacy Preservation in cloud computing with Double encryption Method	Mr. Shivanna K	Springer - Computer Communication, Networking and Internet Security	2017	1	6	GMIT, Davangere
Privacy Preservation in cloud computing with Double encryption Method	Mr. Santoshkumar M	Springer - Computer Communication, Networking and Internet Security	2017	1	6	GMIT, Davangere
Fabrication of Piezoresistive MEMS/NEMS Nano Material Coated Cantilever and Their Resistance Response Based on Analytes Using Omnicant Experimentation	Dr. Hadi mani.H.C	International Journal of Engineering and Manufacturing Science (IJEMS)	2018	1	Nil	GMIT, Davangere
An Extensive survey over Traffic management/Load Balancing in cloud computing	Amith Shekhar C	International Journal of Advanced computer Science and Applications	2017	1	Nil	GMIT, Davangere

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	12	55	Nill
Presented papers	10	6	Nill	Nill
Resource persons	Nill	Nill	Nill	Nill

[View File](#)

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation camp	NSS GMIT	1	100
Debate Competition about Voting must be made compulsory to create awareness for young voters in view of Karnataka Assembly election 2018	NSS GMIT	1	100
International Yoga Day	NSS GMIT	1	150
International Womens Day	NSS and Womens Empowerment cell GMIT	1	500
National Science Day	NSS and Science forum, GMIT	1	550
Personalty Development Program	GMIT and Prajapitha Bramha Kumari Samaja, Davangere	1	140

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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
No Data Entered/Not Applicable !!!			
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
Awareness Program	GMIT, Davanagere	Special Lecture On Birds	1	100
Awareness Program	GMIT, Davanagere	Environment and cleaning the campus premises	1	120
Swachh Bharat	GMIT, Davanagere	Organised 5 days special camp on Swachh Bharath Summer Internship Program in Devarabelakere village, Near Davangere	1	16
Awareness About Voting	GMIT, Davanagere	Organised Signing Campaign to create awareness about voting for Karnataka Assembly election 2018	1	400

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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
Faculty exchange	UG and PG students	Management	1
Student exchange	Final year students	Self	10

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MOU	PG Internship	Applied cognition systems Pvt.Ltd, Bengaluru	12/09/2017	03/02/2018	1

Institutions	Workshop on" Machine Learning and Implementations"	Dr. Vinay Hegde Prof. Raghavendra Prasad RVCE Bengaluru	04/07/2018	08/07/2018	30
MoU	Providing internship, Industrial visits and Placement opportunities for GMIT students	Innowitech solutions	05/04/2018	07/04/2018	56
Training	Three Day Workshop Mobile Application Development	Jspiders, Bengaluru and SOA IT Solutions Pvt. Ltd, Bengaluru	16/02/2018	18/02/2018	58
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Maharaja Soaps and Detergents Pvt. Ltd. Davangere	25/12/2017	Industrial Visits and Internship	62
Management Development Consultancy, Singapore	27/06/2018	Collaborated Training Program, Consultancy Services	2
Venkateshwara Hatcheries Pvt. Ptd	04/01/2018	Internship, Industrial visits and placement	2
GM Agro Beverages Pvt. Ltd	23/12/2017	Internship, Industrial visits and placement	2
Embiot Technologies, Bengaluru	21/05/2018	Providing internship, Industrial visits and Placement opportunities for GMIT students	89
Innowitech solutions	05/06/2018	Providing internship, Industrial visits and Placement opportunities for GMIT students	89
Manvi Technologies, Bidar	09/01/2018	Training, Projects,	1

		internship and research	
Talent Yantra Technologies BVB park Hubli	30/06/2018	Training, Projects, internship and research	89
Kriya Innovative Solution	30/06/2018	Training, Projects, internship and research	89
Grasim Industries Limited	26/10/2017	Training/ Internship/ Project	15
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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
636.61	553.57

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Partially	3.2	2017

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total

Text Books	23768	6800262	1433	644002	25201	7444264
Reference Books	Nil	Nil	Nil	Nil	Nil	Nil
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
Journals	62	132640	Nil	Nil	62	132640
e-Journals	8611	100000	Nil	Nil	8611	100000
Digital Database	8	688000	Nil	Nil	8	688000
CD & Video	Nil	Nil	Nil	Nil	Nil	Nil
Library Automation	Nil	Nil	Nil	Nil	Nil	Nil
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others(s pecify)	11	12424	Nil	Nil	11	12424
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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	Nil
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	505	418	480	0	0	11	0	55	76
Added	126	26	126	0	100	0	0	0	0
Total	631	444	606	0	100	11	0	55	76

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

55 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
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
73.33	42.3	382.85	364.62

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

The college has a Maintenance Cell that oversees the buildings, classrooms, laboratories, wash, common rooms and Green Cover of the campus with adequate staff for maintaining the cleanliness to provide a congenial learning environment. The maintenance of e-resource team for maintenance and manage repair of CCTV security, internet, ERP, Computers, Printers, and all computer peripheral. Civil Maintenance cell maintains looks after the regular maintenance of civil works such as masonry and plaster works, painting, carpentry, plumbing and general house-keeping etc. Electrical maintenance team maintains and looks after the continuous power supply, Generator, UPS, Batteries, LCD, IP-Phone setups, AC, Water cooler, fire extinguishers and lighting etc. along with regular checking. In case of major fault and replacement, the quotation is called purchased as per centralized purchase procedure. The repair issue is identified by concern Laboratory staff, a request will be raised through a maintenance requisition note. The Department Head receives the maintenance requisition note and reviews the request. Maintains requests are attended and fulfilled on the Priority basis. Solid Waste Management: The waste from departments is collected in the respective floor Dustbins. The collected waste is transported outside the college every day in the morning by Municipal corporation vehicle. Then transported to the nearest land fill and solid waste management facility for proper disposal as per CPCB. Portable Water Supply: A Centralized RO System with capacity of 350 kLPD is established with a Carbon Filter unit with a Sand Filter unit adjacent to College Canteen which is combined with a RO Unit Located above Girls hostel building for safe drinking water. The quality of drinking water is tested every three months. e-Waste disposal: An e-Waste Bin arrangement is made in the campus located near College canteen for the disposable of small sized e-Waste (1-10 Inches). However the Large un-serviceable e-Waste such as computers, printers, cables, floppies, CD's, mouse and key board etc. are disposed through vendor as per guidelines of implementation for e-Waste (Management and Handling) Rules, 2011 issued by CPCB. Laboratories: All laboratories are effectively used by the students even after the college hours. Each Lab Attendance, stock register, Invoice and purchase bills are maintained. Lab Assistants and supporting faculties take care of utilization and maintaining of equipments. Library: Librarian collects the requirements of books, journals and other resources from all HODs during the commencement of academic year in turn which will be approved by the Principal. A suggestion box is installed to collect the opinion and suggestion from users to enrich the library resources. Entry register for students and staff is maintained. Stock verification of books, Weeding out of old titles, collecting rare books, maintaining torn books are resolved with the help of the library staff. Sports Facility Maintenance: Physical Director maintains the sports facilities available in the institution. Stock and Issue Register are maintained to ensure the proper handling of the sports equipments. The playground is maintained regularly by Physical Director with the supporting staff.

<https://gmit.ac.in/naac/c4/2017-18/4.4/4.4.2/proceduresandpolicies.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee wave off to rank holders and Student Appreciation for students scored 90 and above. (Gold Coin)	2	184000
Financial Support from Other Sources			
a) National	Backward Classes Welfare Department - OBC, Social Welfare Department - SC, Social Welfare Department - ST, Director of Technical Board - SC, Director of Technical Board - ST, Backward community Minority Department, and PMSS JK Scholarships, KSCST	1105	21960151
b) International	Nil	Nil	Nil

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge course /Industrial visit to solid waste management disposal facility	18/05/2018	62	Pyramid-Civil Forum
Bridge course /Workshop on MS Project	15/03/2018	62	CADD Centre, Davanagere
Bridge course /Workshop on STADD PRO	14/03/2018	67	CADD Centre, Davanagere
Bridge course /Technical trip	11/03/2018	67	Pyramid-Civil Forum
Bridge course /site visit of GMIT Central library	24/02/2018	62	Pyramid-Civil Forum
Soft skill development /Group	23/02/2018	62	Pyramid-Civil Forum

discussion			
Bridge course /site visit of GMIT Central library	22/02/2018	67	Pyramid-Civil Forum
Bridge course /Industrial visit to water and waste water treatment plant	18/11/2017	67	Pyramid-Civil Forum
Soft skill development /Power point presentation competition	14/11/2017	45	Pyramid-Civil Forum
Soft skill development /Aptitude Test	09/10/2017	67	Pyramid-Civil Forum
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	NPTEL	Nil	Nil	16	Nil
2017	Presentation on "GRE/Toefl exams & higher studies at abroad"	62	Nil	Nil	Nil
2017	Placement Training on "Employability Skills"	Nil	62	Nil	7
2017	"About Robotix & Its Implementation"	Nil	67	Nil	Nil
2017	Education to Employment	Nil	67	Nil	Nil
2017	AMCAT Awareness Session	62	Nil	Nil	Nil
2018	Higher Studies at Abroad by BYJU'S	Nil	67	Nil	Nil

2017	NPTEL	1	Nil	1	Nil
2018	NPTEL	5	Nil	Nil	Nil
2018	PGCET	1	Nil	1	28
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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
9	9	18

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
Omics International, TEK Systems, SLK Software Services, First American India, Beacon, Vee Technologies (Hiremee online test), Maintec Technologies, etc	3971	249	1. NOUS Info System, Bengaluru 2. NTT Data, Bengaluru 3. Mphasis, Bengaluru 4. Tech Mahindra, Bengaluru 5. Infosys, Bengaluru 6. J K Technosoft, Bengaluru 7. TEK System, Bengaluru 8. Terralogic, Bengaluru 9. Torry Harris, Bengaluru, etc	242	65

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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
2018	8	Mechanical Engineering	Mechanical Engineering	1. HÖGSKOLAN DALARNA, SWEDEN, 2. TECHNOLOGY ARTS AND	1. MS in Solar Energy Engg, 2. MS Studies in Renewable Energy,

				SCIENCES TH KOLN, GERMANY, 3.UBDTCE, DAVANAGERE, 4.CHALMERS UNIVERSITY OF TECHNOLOGY, SWEDEN, 5.ACHARYA, BENGALURU, 6.UBDTCE, DAVANAGERE, 7.UNIVERSITY OF NEW HAVEN, US, 8.NIE, MYSURU.	3.M.tech in Machine Design, 4.MS in Automotive Engg, 5.MBA, 6.M.tech in Thermal Power, 7.MS in Data Science, 8.M.tech in Industrial Automation and Robotics.
2018	1	Information Science Engineering	Information Science Engineering	UBDTCE, DAVANAGERE	M Tech in CS&E
2018	4	Electronics and Communic ation Engineering	Electronics and Communic ation Engineering	MAHE, NITTE, SIDDAGANGA, BAPUJI	AES, VLSI
2018	5	Computer Science Engineering	Computer Science Engineering	1.DAYANAND SAGAR COLLEGE OF ENGG, BENGALURU 2. SIT, TUMKUR 3. UBDTCE, DAVANAGERE 4. UBDTCE, DAVANAGERE 5. SIT, TUMKUR	M Tech in CS&E
2018	7	Civil Engineering	Civil Engineering	JNNCE, SHIM OGA, UBDTCE, DAVANAGERE, BIET, DAVANAGERE and BKIT, BHALKI	Transporta tion Engineering, Structural Engineering and Geotechnical Engineering
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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
NET	Nil
SET	Nil

SLET	Nil
GATE	1
GMAT	Nil
CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	16
View File	

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

Activity	Level	Number of Participants
Wrestling (MW)	State Level	4
Throw Ball (W)	State Level	10
Table Tennis (MW)	State Level	6
Cricket Selection (W)	State Level	1
Power Lifting (MW)	State Level	4
Best Physique	State Level	2
Wheat Lifting (MW)	State Level	9
Volleyball(W)	State Level	10
Foot Ball (MW)	State Level	13
Cricket	State Level	13
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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	9th National Body Lifting	National	1	Nil	4GM14ME014	Chethan L C
2018	10th National Body Lifting	National	1	Nil	4GM15MBA001	Abdul Razaque
2018	Karnataka State Body Lifting	National	1	Nil	4GM17MBA46	Sagar R R
2018	Karnataka State Body Lifting	National	1	Nil	4GM14ME014	Chethan L C

2018	Karnataka Arm Wrestling	National	1	Nil	4GM15MBA 001	Abdul Razaque
2018	Weight Lifting	National	1	Nil	4GM17MBA22	Manjunatha K R
2018	Women's Cricket	National	1	Nil	4GM15CV016	Fareeda J Huyilagol
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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)

As our institution is student-centric, and are considered as one of the major stakeholders for the institution growth. The purpose of the Students Council (SC) is to provide programs, activities and services which serve the co-curricular, cultural, social, recreational and educational interest of students at the Institution. The institute maintains an excellent rapport with the student community. All the student association/committee/clubs/extracurricular activities which consists of advanced learners as a team leader and slow learners as team members. The students are inducted into the student association on selection basis. The opinions views of the students are taken positively towards comprehensive growth of the institute. Students are involved in regular committee meetings formally and also taken their representation during informal meetings. The student Council is formed in the beginning of every academic year by the student Welfare Officer. Wherein the Principal is the Chairperson and from the student side Vice-President, Cultural Secretary and a Sports Secretaries are identified either by unanimous selection or through election process. Every class room will have two leaders named as Class Representatives(CR's), preferably one from Boys and another one from Girls side. They are the main executives of any event and its conduction. A notable bodies/committees that have student representation are as follows: • Student Council • Class representative's committee • IQAC • Industry-academia board • Alumni association • Sports committee • Cultural committee • Department forum-association • Placement Training Cell • NSS NCC Bodies. • Hostel management committee • Anti-ragging committee • Anti-sexual harassment committee • Grievances and Redressal Committee (Students) • SC/ST Committee (Equal Opportunities Committee). • Library and Professional Societies Committee. • Disciplinary Committee. Students involvement in various club activities both at the program level and Institute level as below: • Coding Club • Cultural club • App development group • Automotive club: "Dhrutha" formula race car development group • Innovation and We: Innovative research activity club • Departmental fests, Hackathons, exhibitions. The roles and responsibilities of student council in academic and administrative bodies are as follows: • To act as liaison between students and institute • To prompt their opinion during meeting of administrative bodies of the Institution. • To promote and organize the institution activities. • To collect opinion of students on issue basis or change management. • To organize educational and recreational activities for students. • To propose activities that would improve the quality of campus life. • To ensure satisfying ecosystem for smooth conduction of academic activities. • To ensure active participation of students in placement, entrepreneur development social responsibility related activities. • To organize Technical events which enhances ability of the student to excel in Industry/Research. • To support faculty members for effective counselling by constructive feedback which will ensure students to resolve their various

issues. • Promote the culture in the institute to achieve ragging-free campus.
• To participate in organizing Industrial Visits. • To support voluntarily in organizing National Inter-national level Seminars, Workshops and Conferences etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• The institution has an active registered Alumni association, the registration is being renewed every year for the Register Number: SOR-445/2011-12 • The association is registered with office of the Karnataka Societies registration act, 1960 . Dated: 08-03-2012 at Davangere, Karnataka. • The association member have selected from different domains like Education Institutes, IT Companies and Entrepreneurs. • The association member includes President, Vice President, Secretary Treasure. Alumni association bank account bearing number: 64017175262 fixed deposit account number: 64039885051 are authorized to honour all cheques by President and Treasurer. • The members meet at least twice in a year and discuss to plan the activities for the year. They also discuss issues pertaining to the development of the institution. • The members also make a plan conduct annual Alumni Meet. • A Meeting is conducted to discuss on budget finance handling. • The alumni participation basically is in areas of identifying the gaps between the levels of learning within the campus and the levels of learning expected by the industry. • The institution arranges lectures/ technical talks by alumni in different departments so that the students can be motivated to prepare themselves for careers in an environment of global competition.

5.4.2 – No. of enrolled Alumni:

2000

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

954005

5.4.4 – Meetings/activities organized by Alumni Association :

1. Meeting on 16/03/2016 – Agenda: i. The read and approve the contents of the proceedings of the annual general body meeting. ii. To elect the executive committee for the year 2017-18. iii. To discuss approve and adopt the audited financial statements for the year 2015-16. iv. Any other matter coming for discussion with prior permission of the chairman of the meeting. 2. Alumni Meet on 25/03/2017- Agenda- i. Areas of coordination of alumni -Project works, Internship, Research Work, Guest of event in institution, bringing resource persons, HR contacts. 3. Meeting 12/12/2017- Agenda : i. Planning for conduction of Alumni Meet-2017 ii. Contribution towards alumni association. iii. Conduction of alumni activity in the programme.

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)

GMIT has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards a decentralized governance system. 1. GMIT follows the Professional Management approach in managing and aims at implementing the concept of innovativeness in academic and administrative matters. The institution always believes in the practices of decentralization. It reflects the policy decision-making, planning and

administration, and office management. Management and Administration are responsible for quality initiatives to promote education to all sections. The institution enhances the quality at various levels - Management, Governing Council, Principal, IQAC Committee, NAAC Committee, Academic Dean and Dean Student Welfare, NSS, all are working together for the efficient functioning of the institution. The institution has a practice of participative management.

The college provides a better opportunity to all in the decision-making process, the college administrative and academic structure is in a manner to decide by participative arrangement. The meetings of the department are held often and the recommendations are discussed with the principal, Academic Dean, and Dean Student Welfare in consultation with all other department heads to arrive at the final decision. 2. GMIT focuses keenly on decentralization by intending equal opportunity to participate. The functioning of the institution management comprises of the management committee, college governing council and each committee has been provided with specific functions cater to the needs of the institution for the ongoing progress and development of the institution. The management committee takes care of infrastructure facilities, which fulfill the quality and the required needs of the higher education bodies to reach the set goals or benchmarks of the institution. College Governing Council takes care of financial management and the implementation of facilities for the institution with the cries to upgrade the standard of amenities, which supports effectively the teaching-learning and research aspects. The Principal, Heads of the departments, teaching and non-teaching faculty along with student union members, class student representatives together concentrate on fostering the progress of the institution by sharing the responsibilities and participate growth of the institution and acting according to the aims and objectives of the institution. GMIT has its own ERP system developed by a team of faculty members who have good potential and skill to develop the ERP modules like academic, administrative, library, fees collection, etc. to carry out the various academic and administrative activities. GMIT has updated and designates the "statutory committees and non-statutory committees" as per VTU, to suggest measures to the management to run the college. The Constitution of Statutory and non-statutory Committees consists of members from all the various segments/stakeholders indicates the de-centralized and participative work culture incorporated.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Industry Interaction / Collaboration	The institution continues to propagate industry connect through: 1) Technical talks / Invited seminars 2) Industry visits / tours 3) Students' project work / internships 4) 5) MOU(Memorandum of Understanding) has signed with nearby industries, helps in utilizing some raw materials/sample and some of simple problems faced by industry is addressed by conducting miner and major students projects
Library, ICT and Physical Infrastructure / Instrumentation	The digital library has been reinforced with the latest version computers to access e-books,e-journals,

NPTEL Lecture notes and videos The Institute is association with VTU (VTU Consortium) to share digital content under license is continued by renewing the license annually. The Institute GMIT LIBRARY ERP system facilitates the issuing of text books and helps to maintain the books records, Computer laboratory for first year students is being revamped with new computing systems and furniture. The laboratories in computer Science and Information Science engineering departments have been modernized and revamped. A Language laboratory for practicing communicative English has been established during the academic year 2017-18

Examination and Evaluation

The institution has adopted an Outcome Based Education (OBE) system. 1) The faculty evaluate the levels of examination questions set by the university for Semester End Examination (SEE) and identify the gaps to to meet the requirements of Course Outcomes (COs). 2) the faculty in each subject supplements the content together with assignments to meet the requirements of Program Outcomes (POs). and prepare them to meet the current needs of the industry. To administer uniformity for conduct of internal assessment tests is accountable for measurement of Course Outcome's attainments and Program Outcome attainments.

Curriculum Development

The curriculum is prescribed by the parent university Visvesvaraya Technical University (VTU). The curriculum undergoes a revision once in four years. The institution encourages our faculty / department to contribute to enrich the curriculum during the course of its revision. This is carried out by communicating to the university during the process of preparing and finalising the new curriculum. The institution obtaining a feedback by the alumni and students during the final year of their course. The consolidated recommendations are forwarded to the university for updating the content to meet the current trends in the industry.

Teaching and Learning

The institution has been following student centric Teaching and Learning methods for the past four years. The faculty design the delivery content,

student participation activities and the assignments during the semester for every subject. A continuous evaluation of the progress made by the students has been adopted. As a part of continuous evaluation process three internal assessment tests are conducted apart from other methods of evaluation by the faculty. The institution has adapted innovative practice by involving students with concepts, participate in group learning inside the classroom. The innovative exercise has been implemented through modern digital learning platform. the practice of outcome-based education (OBE) in institution was adopted

Research and Development

The institution is engaged in research and development with 8 VTU approved research centers to facilitate faculty to pursue PhD. The research policy of the institution is reviewed annually and published to all faculty / website. the institution has established centres of excellence to facilitate both the faculty and the students to pursue research activities. The concepts of mini-projects and experiments in beyond the coverage of the syllabus helps to acquire the knowledge and skills. The mini-projects and the final year major projects are exhibited on a "Project Exhibition Day" every year. The alumni and industrialists are invited to evaluate the projects to reward the select projects.

Human Resource Management

As a part of Quality Improvement programme, review and enhancement of HR policies and procedures of the institution has been completed and an updated and comprehensive HR framework would be in place before the beginning of the academic year 2019-20.

Admission of Students

The following strategies are being adopted to enhance the admission quality: 1) Prospective bright PU / 12th students are provisionally admitted by merit scholarship. Students are selected through competition and counselled by eminent academicians. 2) All-round significant improvement in Teaching-learning process, research, and infrastructure launched to showcase the improved brand image of the engineering and management programme. For improving the quality of incoming

fresher, bridge courses in mathematics, physics and communicative English are being conducted as a process to augment the perceived gap between PU / 12th and engineering pre-requisites. Target students are identified through a competency level test. This prepares the fresher to ramp-up to our teaching-learning process.

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

E-governance area	Details
Administration	<p>GMIT to achieve the target of Paperless IQAC , commits members to start using Google facilities like ? Google sheet: For data collection from Various Departments. ? Google Docs: To prepare notices and activity reports. ? Google Forms: To prepare Feedback forms and get Online feedbacks of Students, Parents. • The college has Biometric attendance for teaching and non-teaching staff. • ICT has been introduced in the Administrative work. • College staff uses smartphone with inbuilt social app like Gmail to communicate</p>
Finance and Accounts	<p>GMIT has in place competent software to maintain and manage the inflow and outflow of the finances. The accounting starting from the foundation entries till production of statement of accounts and financial reports required for strategic management, in particular strategic planning are being produced through usage of software</p>
Student Admission and Support	<p>1] The admissions of the students are followed as per rules and regulation of VTU. 2] Admission Committee works under the guidance of IQAC and forms for the Frame work of admission process. It frames committee for the admission committee involves the Principals, Management, H.O.D, and Faculty members. 3] This Committee decides about admission process, fees structure Merits of student for admission, last date of admission etc 4] Committees from each department are framed to councils the students regarding their programs or course. 5] Counseling is also done regarding different programs.</p>
Planning and Development	<p>The college established functional Memorandum of Understanding with various organizations for skill development training • To conduct skill-</p>

	<p>oriented training programmes. • Motivate all the Faculty to enroll PhD on 2021 • To Improve the employability skills of the students • To encourage the students participating in co-curricular/ extracurricular activities • To encourage the Faculty for Paper publishing UGC approved national and international journal Publishing. • To encourage the Faculty for presenting research paper in national and international conferences</p>
Examination	<p>The institution in collaboration with VTU has adapted online transactions for all the processes like registering of students with VTU for semester end exam, obtaining admission tickets generated on VTU website and downloading question papers for SEE. Even appointment of examiners for practical examination has been computerized. Mandated by VTU, the institution has installed web cameras to monitor the conduct of examinations in various blocks. The results are announced online which are downloaded for analysis at the institution level. The institution has been planning to install an ERP software for managing all the processes including admissions, placement, finance, staff welfare, Teaching-learning and examination, student performance and progression</p>

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	Mr.Raghudathesh G P	International Conference on Advances in Computing, Communications and Informatics (ICACCI), Udupi	Nil	6000
2018	Mrs. Latha B M	"REVA RESEARCH CONCLAVE" at Reva University Bengaluru	Nil	1000
2018	Mr.Raghudathesh G P Mr.	" IoT System Design using RPI and Data	Nil	3000

	Raviteja B	Analytics" at Ramaiah Institute of Technology, Bangalore		
2017	Mr. Gururaj E Mr.Harisha G C	ARM Microcontroller Embedded System using ARM Cortex M3 at JNNCE, Shivamogga	Nill	1910
2018	Mr. Rajendra Soloni	"Designing of Antenna and Microwave Concepts Using Computer Simulation Technology Studio Suite and Antenna magus" at GRIET, Hyderabad	Nill	2500
2018	Mr.Kotreshi S N Dr. Betageri V S Dr. Bharath K N Dr. Prasanna G D	FDP on Student induction program on AICTE,New Delhi	Nill	4140
2018	Mr. Sandeepa G S	CISCO-RVCE,IOT Application Development	Nill	5900
2018	Rachana N B	Recent advances in Machine Learning	Nill	3460
2017	Mr. Rajendra Soloni	International Conference on Advances in Computing, Communications and Informatics (ICACCI), Udupi	Nill	5000
2018	Mr. Rajashekar Kunabeva Dr. Hadimani H C	"Machine Learning and its Application in Engineering Technology" at NMAM Institute of Technology, Nitte	Nill	5500
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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)
2018	Two day NBA BOOTCAMP	Nil	02/07/2018	03/07/2018	70	Nil
2018	Discussion on NBA Accreditation of Criteria-8, 9, and 10	Nil	04/05/2018	04/05/2018	25	Nil
2018	Two Days Workshop on OBE and OBA	Nil	10/02/2018	11/02/2018	100	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 professional development programme	Number of teachers who attended	From Date	To date	Duration
"Advanced Mathematical Techniques in Research and Engineering Applications" held at GMT, Davangere	2	29/01/2018	30/01/2018	2
FDP- Software Application Lab	2	08/01/2018	11/01/2018	4
"National Seminar on Innovation, IPR and Entrepreneurial Opportunities in Biotechnology" held on 29th and 30th Jan 2018 at Dept. of Biotechnology, SMVIT,	2	29/01/2018	30/01/2018	2

Bengaluru				
"Machine Learning and its Application in Engineering Technology" at NMAM Institute of Technology, Nitte	2	02/01/2018	06/01/2018	5
REVA RESEARCH CONCLAVE" at Reva University Bengaluru	1	01/03/2018	02/03/2018	2
IoT System Design using RPI and Data Analytics" at Ramaiah Institute of Technology, Bangalore	2	16/01/2018	21/01/2018	6
Designing of Antenna and Microwave Concepts Using Computer Simulation Technology Studio Suite and Antenna magus" at GRIET, Hyderabad	1	27/06/2018	03/07/2018	7
ARM Microcontroller Embedded System using ARM Cortex M3 at JNNCE, Shivamogga	2	11/12/2017	15/12/2017	5
ARM Cortex M3 Microcontroller " at BIET, Davangere	2	23/01/2018	24/01/2018	2
Foundation Program in ICT for Education IIT Bombay", at UBDTCE, Davangere	1	08/03/2018	12/04/2018	14
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching	Non-teaching
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Permanent	Full Time	Permanent	Full Time
Nil	9	Nil	1

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF	ESI	Merit Scholarship

6.4 – Financial Management and Resource Mobilization

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

The GM Institute of Technology of strictly believes in following statutory requirements for audit and accounting practices. Internal and External Audit Process: The institution conducts internal and external financial audits regularly. Income Expenditures: The details are available in the income and expenditure statement. The institution has established a system to audit all the financial transactions by both internal auditors and auditors of external agency. The internal audit practices to monitor financial management of the institution ensure sound financial health of the institution. External audit carried out ensures total compliance with statutory requirements and obligations.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

1000000

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	Nil	Nil
Administrative	No	Nil	Nil	Nil

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

1. Soon a student take admission, during Induction program (being conducted for 15 days) Every teacher, (department wise) interact with the parents in first two days of the program also the related data of the parents taken by the mentor. 2. Once the above data is collected by the mentor, it is instructed to the parents to contact with the mentor for any purpose to know about his ward progress. 3. The mentor also guide the parents to talk to the subject teacher, if required also to the respective HODs, depending on the type of case. 4. Every often the parents meeting called on the different dates by each department because of the availability of common faculty like science, other department also the principal.

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

1. Organization promote the faculty to undergo different activities FDPs, conferences, STTP, journal paper writing etc. 2. The faculty are encouraged to

persue higher qualifications. At the beginning of the inception of the Institute, the few faculties are sponsored / study leave to persue the MTech. Presently higher increments / professional growth like promotions is given (subjected to the availability of the vacancy) to those who persued Phd., PDF etc., 3. Staff are given social benefits apart from pay scales like PF, ESI, loan facility etc., for their growth.

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

1. Submission of Data for AISHE portal 2. Participation in NIRF 3. ISO certification 4. NBA or any other quality audit

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
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
2017	ERP	01/08/2017	01/08/2017	31/07/2018	2500
2018	FDP ON MACHINE LEARNING IMPLEMENTATION	04/07/2018	04/07/2018	08/07/2018	100
2017	NCETERM Technical fest	08/09/2017	08/09/2017	09/09/2017	600
2018	NSS Activity - Swachh Bharath Summer Internship Program	23/07/2018	23/07/2018	27/07/2018	16
2017	NSS Activity - Environmental Day	10/08/2017	10/08/2017	10/08/2017	100
2017	NSS Activity - Awareness Program about Environment and cleaning the campus	21/09/2017	21/09/2017	21/09/2017	120
2017	NSS Activity - Blood Donation camp	11/11/2017	11/11/2017	11/11/2017	100

2018	NSS Activity - Personality Development Program first year students	03/04/2018	03/04/2018	03/04/2018	450
2018	NSS Activity - I nternational Yoga Day	05/06/2018	05/06/2018	05/06/2018	150
2018	NSS Activity - Signing Campaign to create awareness about voting for Karnataka Assembly election 2018	11/05/2018	11/05/2018	11/05/2018	400

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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
Awareness about availability of pad burning machine and vending machines	27/04/2018	27/04/2018	45	Nil
Women empowerment committee meeting	17/04/2018	17/04/2018	7	1
Women's day celebration	08/03/2018	08/03/2018	480	Nil
Women empowerment committee meeting	11/08/2017	11/08/2017	7	1

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

Percentage of power requirement of the University met by the renewable energy sources

The total Power generation by Solar energy sources in the campus is 60250kWh, whereas the consumption of total power in the campus including administrative block, boys hostel and girls hostel is 15250kWh. The remaining 40000kWh is supplied to the grid. Thus making the campus sustainable in terms of solar energy generation.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	30/07/2018	1	Computer Awareness Programme	To help students of Government High School, Kakkaragolla to understand fundamentals of computer hardware and software	44

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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)
Human Values and Professional Ethics	Nil	The curriculum includes various courses to address Professional Ethics and Human Values.

For example: The institute core course on 'Constitution of India Professional Ethics' is included in the first year to help human values and professional ethics in all students. The curriculum of PG programs also includes courses to address Human Values and Professional Ethics. For example: 'Business Government and Society', 'Business Ethics and Corporate Governance' and 'Work Ethics' by MBA The Details are as follows:
 Institution offers courses on human values and professional ethics in Engineering and M.B.A. In Engineering we have compulsory Course Constitution of India and Professional Ethics (15CPH18/15CPH28 AND 17CPH39/49 and in MBA 16/17/18MBA16-Business Communication 16/17/18MBA24 - Business Law/Legal Aspects of Business/Business Environment 16/17MBAHR402 Workplace Ethics and Value System

Code of Conduct	01/08/2017	https://www.gmit.ac.in/CodeofConduct.pdf https://www.gmit.ac.in/ServiceRules.pdf
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Environmental Day and arranged a special lecture on Birds by Prof Shishupal, Chairman, Department of Microbiology, Davangere University, 100 saplings planted.	10/08/2017	10/08/2017	100
Celebration of 71st Independence	15/08/2017	15/08/2017	450

Day and 75th Quit India movement by NSS wing, GMIT, all the faculties, students and NSS volunteers			
Organised Awareness Program about Environment and cleaning the campus premises on 21st September 2017.	21/09/2017	21/09/2017	120
Organised "Blood Donation camp" to commemorate the death anniversary of Late. G Mallikarjunappa and Late. G M Halamma.	11/11/2017	11/11/2017	100
Celebration of "Republic Day" in the college campus	26/01/2018	26/01/2018	150
Celebration of National Science Day under the banner of NSS and Science forum, GMIT	06/03/2018	06/03/2018	550
Celebration of International Womens Day under the banner of NSS and Womens Empowerment cell GMIT	08/03/2018	08/03/2018	500
Organised Personalty Development Program for first year students under the banner of NSS wing, GMIT and Prajapitha Bramha Kumari Samaja, Davangere	03/04/2018	03/04/2018	450
Organised Debate Compitition about Voting must be made compulsory to create awareness for young voters in view of Karnataka Assembly election 2018	05/05/2018	05/05/2018	100
Celebration of International Yoga	05/06/2018	05/06/2018	150

Day by NSS GMIT wing in EC seminar hall

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

Waste Water Treatment: 1) The 250 KLD D - ANOOZ Anaerobic treatment - Organization System is the most effective and advanced technology for treatment domestic waste water of GMIT campus and reusing the water for many secondary purposes. 2) The treated water after the treatment is effectively used for gardening, vehicle washing, floor washing, and construction purposes solves the dual problem of disposal as well as water saving in the background of water scarcity in GMIT campus. 3) The existing system is techno-economically feasible 4) The quantity of waste water after treatment is sufficient for gardening 25 acres, thus complete gardening area is lawned using the treated water from the system without creating a stress on fresh water. 5) The existing system makes the GMIT campus self-sustainable regarding the problem of waste water management

Solar Power Generation: Energy conservation Energy conservation is an ever-present theme in the planning and developing of all our campus facilities. We are also increasing our energy procurement mix with an increase in renewable sources like solar energy, biomass energy using kitchen waste and vegetable waste. Roof top Solar PV systems GM Institute of Technology has recognized this aspect as an important surface of its operation and has adopted an energy policy supplementing the existing environment policy. In line with this GMIT has partially shifted from conventional energy use to renewable energy use and sourcing. These rooftop systems are however limited by the availability of shadow free area on existing buildings as ascertained in the initial survey conducted during proposal stage. Recognizing this, to further boost GMIT energy mix, green power procurement was put in place in August 2015-16. A few of the measures taken by us to make the GMIT campus energy efficient: Energy efficiency measures: Few measures undertaken are, reduce maximum load of the campus, Introduction of measures to improve quality of power by exchanging energy efficient transformers, pumps, detuned filters for capacitor banks, and CFL /LED lighting. Auto synchronization panels for load optimization and energy efficient power equipment as per standards.

ENVIRONMENTAL POLICY OF THE COLLEGE: GM INSTITUTE OF TECHNOLOGY, DAVANAGERE, KARNATAKA, INDIA is a quality conscious college. It protects its own environment with its green campus initiative and keeps pollution free campus. Environment development is its basic work with the educational policies implemented on the campus. Environmental conscious administration, the management and the students of the college look after the environment carefully. Every year, during rainy season, we do tree plantation and carefully look after it. It's our own responsibility to preserve the work done on the campus related to the environment. Our environmental policy: 1. To create awareness regarding environmental policy amongst the students and the management 2. To maintain pollution free campus by avoiding tobacco, pan-masala, chewing on the campus. As per the govt. rules and regulations regarding the instructions of tobacco free campus signboards are displayed at various places on the campus. 3. To Use Solar Energy on College Campus by installing and Solar water Heaters in Girls and Boys hostels. 4. To sensitize the students and staff regarding the use of drinking water properly for which, we have provided purified (RO aqua-guard) drinking water facilities on the campus. 5. To observe 'No Vehicle Day' and keep the campus vehicle free. It helps to save the fuel, avoids the environmental pollution. 6. To maximize the use of ICT and minimize the use of paper. It will help to go towards 'Paperless College. 7. To use the solid waste through vermin-compost on the campus and use it as a

fertilizer. 8. To reduce the 'sound pollution in the campus, we have built the seating arrangements in the shade of trees in our campus. 9. To use 'Use me' Dry and Wet dust bins in the college campus so as to keep college campus clean 10. To protect and nurture the Flora and Fauna on the campus (the term flora relates to all plant life and the term fauna represents all animal life) 11. To maintain green campus, 'Green Audit' is done regularly. 12. Desisting from involvement into any environmentally harmful practices. 13. Planting trees on a regular basis. 14. Making the campus a plastic-free zone, making the campus a smoking-free 15. Arrangements of dustbins in every corner. 16. Use of carpool services by the faculty members so as to avoid excess of air pollution.

Rain Water Harvesting: 1) By adopting the rain water harvesting technique in the campus approximately 12 lakhs litres of water can be harvested. 2) The harvested rain water is effectively used for secondary purposes in the campus like gardening, washing streets and flushing etc.. 3) Rain water harvesting reduces stress on fresh water requirement. 4) Due to the construction of contour bunds the water table in the campus has been improved considerably. 5) It can include that other than recycle and re-use of water, rain water harvesting is also efficient way of saving fresh water. 6) In case of need the harvested rain water can also be used for drinking purposes by appropriator treatment method. 7) Finally it can be concluded that apart from GMIT campus if the this practice can be implement in all the colleges very large quantum of fresh water utilization can be saved which is a urgent need of the hour.

Solid Waste Management: • The organic waste produced is recycled as manure for the plants and vegetation. • The plastic waste is converted into a petroleum product for which there is a mechanism available and was a successful society appreciated project. • There is a proposal to establish biodigester unit to convert the food and kitchen waste into cooking gas or biogas. The practice: The solid waste management is done by collecting the organic decay able waste and converting them to manures which will be finally used for developing the landscape. Green bins for wet waste (newspapers, magazine, light paper, paperboard cartons etc.) An important step was to ensure student and faculty to segregate waste by using different dustbins to dispose of wet and dry wastes like paper, plastics, glass, metal etc. This was made possible via continuous awareness programs through lectures, advertisement on notice boards, displaying slogan boards in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice No. 1 - Solar Power Generation and Utilization Goal: The aim is to generate solar power as an alternate energy for various energy requirements in the campus. Highly efficient most modern solar panels are laid on the roof of the buildings covering an area of 17500 Sq. Mtr. of the roof top. Solar photovoltaic cell technology is adopted which is proven and the design is highly efficient (near to 20 efficiency). Davangere city and its suburbs are having good sunlight throughout the year (300 x 365 days) with an average best sunshine of 4.5 to 5.5 hours per day. The power generated per day is around 5000 to 7000 units. The intension is to reduce the use of conventional energy which has become unreliable due to intermittent, discontinuous, power supply in the present days. The Practice Installed SRTPV system at GMIT yields good generation and it depends on various parameters as: • Performance of a PV system: The quantum of energy output of a PV system depends on system properties such as its capacity, internal losses, and tracking, maintenance practices and frequency of cleaning. It also depends on weather parameters such as incident radiation and temperature as well as ambient factors like fog and pollution. Gird parameters such as fluctuations in voltage and frequency, and availability. • Generation guarantee: The generation guarantee sought by a Utility (or in fact, any Stakeholder) may depend on the nature of ownership of

the PV system. If the Utility intends to procure the PV system (i.e. bears the capital expenditure) from an Engineering, Procurement and Construction (EPC) Contractor, then the Utility's motivation is to maximize the energy generation from the PV system.

- Monitoring of a rooftop PV system: A PV system can be monitored at various levels based on the capacity of the PV system and type of involvement of the stakeholder generally as follows: a) At PV module-level b) At string-level c) At inverter level d) At meter-level
- Maintenance
- Security
- Connectivity to the Grid
 - (i) Grid-connected PV systems (also known as grid-tied systems) are directly connected to the distribution grid, use grid-connected inverters, and usually do not use batteries. Such systems are capable of exporting surplus power into the distribution grid and are designed to automatically shut down if it detects anomalies in grid parameters such as voltage, frequency, etc.
 - (ii) Hybrid PV systems are connected to the grid and also have a battery backup. If a hybrid PV system observes anomalies in grid parameters, they are designed to work in an isolated mode.
 - (iii) Other grid-interactive PV systems are also evolving in India wherein PV systems are directly connected with uninterrupted power supply systems. Such systems operate irrespective of grid conditions, but are usually not capable of feeding energy back into the grid.
- Metering arrangement: i) Net metering ii) Gross metering (also known as feed-in metering)
- Interconnection voltage Evidence of Success

1.5 MW Grid-Tied SRTPV system installed at GMIT has the following unique features

- a) First Institute in Karnataka which has got highest installed capacity SRTPV system.
- b) South India's Second Institute.
- c) Since September 2016, the institute has been self-reliant in energy and producing around 4000-5000 units per day and it goes in increasing day by day.
- d) Institute is generating five to seven times the electricity they consume and fulfills the electricity to the entire campus.
- e) Institute is saving approximately Rs. 5 to 9 lakhs per month
- f) Institute is preventing the GHG emissions which otherwise would cause global warming due to the installation of fossil fuel based power plants like thermal power plant.

Carbon Dioxide (CO₂) in tons: 30 Sulphur Dioxide (SO₂) in tons: 0.21 Fly Ash in tons: 10.6 Particulate Matter (PM) in tons: 01

The total area of roof top coverage is about 18,000 Sq. mtrs. The solar panels are supplied By Renusolar, and Yingli (both are of the worlds renowned manufacturers of solar components) solar from china with rated energy capacity of 305 wp and 315 wp respectively made up of Multi-crystalline Silicon cell structure. The inverters make are Growatt, and Kaco imported from Germany. The system is erected with all hardware components, and a computer networking system to access, monitor and record the power production and troubles in the network.

Practice No. 2 - Recycle and Reuse of Waste Water in GMIT Campus- A Zero Discharge Campus Goal:

- To design the effective waste water treatment system for the Campus
- To prevent the waste water related hazards by treating it with advanced methods.
- To treat the waste water such that it can be used for secondary purposes.
- To keep the hygienic conditions within the campus and surroundings.
- To manage the waste water in a sustainable way reducing the demand for fresh water

The Practice: In the current treatment system the waste water is collected from various areas at a centralized location and treated in the following steps.

Preliminary and Primary Treatment

- a) Screeing
- b) Equalisation tanks
- c) Primary sedimentation tanks

Secondary Treatment

- a) Anaerobic Reaction tanks
- b) Secondary Sedimentation Tank

Tertiary Treatment

- a) Ozone Circulation tank
- b) Clear water tank
- c) Pressure sand filter
- d) Activated carbon filter
- e) Filter Water tank.

Preliminary and Primary Treatment Preliminary Treatment includes simple processes that deal with debris and solid material. Bar screens are provided in this case to remove the floatable matter like paper, cardboard etc., Equalization tank: In this tank the effluent from the screens is collected and allowed for equalization in terms of both its characteristics and flow. Primary Treatment: Is mainly the removal of solids by settlement. Simple settlement of the solid material in sewage can reduce the polluting load by significant amounts. Secondary Treatment: In secondary

treatment the organic material that remains in the wastewater is reduced biologically. Anaerobic Treatment tanks: The effluent is treated anaerobically in the closed tanks which will oxidize further the organic matter which have left out in primary treatment. Tertiary treatment: Is the polishing process whereby treated effluent is further purified to acceptable levels for discharge. In the present case the following units perform the tertiary treatment Ozone Circulation tanks: Ozone treatment is a advanced method of waste water treatment is given for secondary clarified effluent as the ozone is strong oxidizing agent which will kill most of the pathogenic bacteria and removes odour. Pressure sand filter: This removes the suspended solids remaining in the effluent and removes the turbidity which might be present in the effluent after secondary treatment. Activated Carbon Filter: This is the next stage of treatment operation performed to remove the odour and other impurities by adsorptive action over the surface of activated carbon. Clear Water tank: In this tank the treated water using above all the processes is stored temporarily and used for secondary purposes like gardening vehicle washing and it can also be used for toilet flushing thereby reducing the fresh water requirement which saves the additional cost of raw water requirement and its treatment. Evidence of Success: The 250 KLD D-ANOOZ Anaerobic treatment-Ozonisation System is the most effective and advanced technology for treatment domestic waste water of GMIT campus and reusing the water for many secondary purposes. • The treated water after the treatment is effectively used for gardening, vehicle washing, floor washing, and construction purposes solves the dual problem of disposal as well as water saving in the background of water scarcity in GMIT Campus. • The existing system is techno-economically feasible • The quantity of waste water after treatment is sufficient for gardening 25 acres, thus complete gardening area is lawned using the treated water from the system without creating a stress on fresh water. • The existing system makes the GMIT Campus self-sustainable regarding the problem of water and waste water management

Notes Summary and Conclusions: Total number of students in College Campus: 3253 Total number of students staying in Hostels: 1426 No.of Day Scholars: 1827 As per BIS standards, the daily demand for Institution or College (day scholar) is 45 lpcd So, we considered 45 lpcd for our College Campus $1827 \times 45 \times 0.85 = 69,882.75$ litres/day As per BIS standards, the daily demand for Hostel 135-180 lpcd. So, We considered 135 lpcd for the Hostel $1426 \times 135 \times 0.85 = 1,63,633.5$ litres/day Therefore, Total Sewage that may generate from College and Hostel is, $69,882.75 + 1,63,633.5 = 2,33,516.25$ litres/day 233KLD. So, STP is designed for a capacity of 250KLD A large quantity of waste water is generated from hostels, mess, canteen and research labs of various departments. In this regard it becomes very much necessary to treat and recycle and reuse the generated waste water in a sustainable way and make zero discharge campus. Hence the above calculations are evident that around 1.5 lakh litres of treated waste water is used effectively thus reduces the stress on fresh water requirement.

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

<https://gmit.ac.in/naac/c7/2017-18/7.2/bestpractices.pdf>

7.3 – Institutional Distinctiveness

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

The institution has well stated motto, vision and mission to provide scholarly and vibrant learning environment for youth especially in rural area and empower them to compete successfully in this global world. In this course of action college has its action plan for providing platform with Innovative teaching pedagogy by which students improve their knowledge, skills and attitude by

organising, participating and performing various events and activities throughout the session result of which one student is able to secured 10th rank in the University. The institute organizes different activities to enhance the students' personality. Students are trained and groomed to enhance their Employability skills by imparting technical training, Soft skill, GD and Aptitude classes etc. to make the student, industry ready to face the current job market successfully. Total of 266 students have got placed in various reputed companies in the current academic year. Our institute installed solar power plant in the year 2015 with a capacity of 418KW and now it has been increased to 1.5MW. Our institute also contribute to the eco-friendly system by selling excess solar power back to the grid. An active NSS unit organize outreach programs of our institution in shaping and strengthening all the departments to inculcate education and awareness among students to face future. The NSS volunteers work to ensure that everyone who is needy gets help to enhance their standard of living and lead a life of dignity. Also, our institution gives priority to Co-curricular and Extra Curricular activities and physical activities, such as Sports, Cultural, etc.

Provide the weblink of the institution

<https://gmit.ac.in/naac/c7/2017-18/7.3/institutionaldistinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

The Institution has planned robust future plans for the coming academic year after receiving the NAAC Accreditation to maintain the quality at the institution level. The following are the future plans for the institution: 1. Institution has taken decision to go for NBA Accreditation for 5 UG Programs to give assurance to the stakeholders that the teaching learning process at the campus is International standard. 2. To bridge the gap between Industry and academia, the institution wants to go for more MOUs with nearby industries to promote corporate activities in the campus. 3. All the Heads have accepted to increase the VTU end semester results mainly to make the students eligible for all the placement activities 4. Placement Division has accepted to increase the placement percentage by 10 percent compared to the last academic year. 5. Heads are promised to identify slow learners to provide extra coaching.