



Yearly Status Report - 2018-2019

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)	https://www.gmit.ac.in/76/AQAR201718.pdf
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/201819COE_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
Induction Program	13-Aug-2018 21	470

Internships	04-May-2018 30	500
Two Day Workshop on Intellectual Property Rights in Association with KSCST	17-Sep-2018 2	100
Inauguration of IEA Institution Membership	15-Sep-2018 1	130
IIT Bombay Spoken Tutorial	01-Oct-2018 365	135
NIRF	05-Aug-2018 365	2500
NBA	12-Apr-2019 365	2500
NSS Activities - Sadbhavan Diwas	20-Aug-2018 1	200
NSS Activities - Gandhi Jayanthi and Swachh Bharath Abhiyan	02-Oct-2018 1	150
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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
NIL	NIL	NIL	2019 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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. Successfully conducted three week Student Induction Program for first year BE students. In addition to that a good number of student's participation in Internship training also taken care. 2. Institution has been enrolled for "Life Institutional Membership" under "The Institute of Engineers" body INDIA also Successfully conducted Technical fest NCETERM 18.0. 3. Successful conduction of workshop on IPR Intellectual Property Rights in association with KSCST. Also Students attended the training in collaboration with IIT Bombay. Spoken Tutorial initiated by National Mission on Education through CT, MHRD, Government of India. 4. Institution got NAAC accreditation with B plus plus Grade 5. Celebration of Sadbhavan Diwas, Gandhi Jayanthi with Swachh Bharath Abhiyan and initiated Voting awareness program under NSS

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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
To initiate the process of Student Internship Program	Four weeks Internship program introduced
Activities and support from the Alumni Association	Alumni Meet held on 20th October 2018
Initiative towards faculty development programme	Organized Two Day Workshop on Intellectual Property Rights in Association with KSCST
National Conference: NCETERM 2018	Organized on 26th and 27th October, 2018
IEA Institution Membership	Inauguration IEA Institution Membership on 15th September 2018
Encouragement to community services	NSS activities: Blood Donation camp, Sadbhavan Diwas, Gandhi Jayanthi, Swachh Bharath Abhiyan and Voting Awareness Program
To provide an orientation programme to the first year students.	Induction Program arranged for First year students,
Improvements in the Library Services: New Books/ Journals/ Magazines Subscribed	New books added:1459 E - Resource access: 08 Journals subscription: 67 Magazines subscription:11
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
Increase placement activities in all the departments	Training done in collaboration with IIT, Bombay ST (Spoken Tutorial), Training program organized from 14.08.2018 to 23.08.2018, Boot Strap session conducted on 31st Aug. 2018 for CSE, ISE ECE students. The session would clearly act as a wakeup call to

all job aspirants, Student Transformation program (STP) conducted on 6th Sept. 2018 for CSE, ISE ECE students. Participants gained knowledge on recent trends in Industry, Carrier planning etc.

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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-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

24-Feb-2019

17. Does the Institution have Management Information System ?

No

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

GM Institute of Technology (GMIT) is affiliated to Visvesvaraya Technological University (VTU), Approved by AICTE and Govt. of Karnataka. The four programmes Mechanical Engineering, Electronics & communication Engineering, Computer science & Engineering and Civil Engineering are accredited by NBA. The curriculum, syllabus of Institution is as prescribed by the university. In line with the syllabus prescribed by the University, the course teacher prepares curriculum aligning with the vision & mission of the institution, graduate attributes and societal contributions. The course feedback analysis from the stake holders are considered while preparing curriculum of the syllabus and submitted to the IQAC for approval. The IQAC of the institute mandates that every department prepare its Curriculum plan and submit the same to the IQAC for approval and deployment every year. The Principal conducts meetings with the Deans & HoDs for delivery strategies & effective implementation of the curriculum. The HoDs conduct departmental meeting before the semester commencement to formulate a curriculum delivery blueprint by preparing lesson

plans and improving the classroom presentation (viz., chalk & talk, presentation, videos etc.). Institute follows calendar of events considering University mandatory academic schedule which is circulated to all departments and thereby to students. IQAC along with the Deans monitor the academic activities on regular basis to ensure the execution of course curriculum as per the academic calendar. 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. The Institution has in place an Outcome Based Education (OBE) process. 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 prowess so learnt to meet the requirements of the industry. 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 on our website. A well designed evaluation system involving assignments, tutorials, internal assessment test (continuous evaluation) have been in place. In certain specific subjects, session end evaluation (Quizzes, multiple choice questions ...) have also been designed. A professional approach to preparing session plans for delivery and consumptions is being prepared to be implemented during the ensuing academic year 2018-19. The faculty works on Plan-Deliver-Check/evaluation-Act (PDCA) for continuously improving the process. 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
NIL	NIL	Nil	0	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	01/08/2018
BE	Electronics and communication Engineering	01/08/2018
BE	Computer science & Engineering	01/08/2018
BE	Civil Engineering	01/08/2018
BE	Information science &	01/08/2018

	Engineering	
BE	Biotechnology	01/08/2018
MBA	Marketing/Finance Marketing/HR Core Finance	07/08/2018

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

	Certificate	Diploma Course
Number of Students	492	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
Placement Training on "Employability Skills" (Conducted by: CareerPrime Mysuru.) Duration: 10 days	14/08/2018	107
AWS workshop	01/03/2019	33
The Boot-strap session for final year students	31/08/2018	50
Cricket	08/02/2019	14
Technical Talk on "Introduction to IoT and Processing Units"	01/03/2019	71
Technical Talk on "Image Processing with MATLAB"	04/04/2019	49
Placement Training on Aptitude, Technical and Soft Skills	14/08/2018	95
Placement Training on "Employability Skills"	14/08/2018	62
Brush Up Session on Interview Skills	08/01/2019	62
Infosys Specific Training	15/02/2019	62
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering - Internship	32
BE	Electronics and Communication Engineering - Internship	123
BE	Civil Engineering - Internship	62
BE	Computer Science and	60

	Engineering - Internship	
BE	Information Science and Engineering - Internship	58
BE	Biotechnology - Internship	16
MBA	Masters in Business Administration - Internship	42
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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 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.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science and	60	75	69

	Engineering			
BE	Information Science and Engineering	60	70	63
BE	Civil Engineering	60	50	93
BE	Mechanical Engineering	120	120	152
BE	Electronics and Communication and Engineering	120	125	163
BE	Biotechnology	45	40	34
MBA	Masters in Business Administration	60	65	49
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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
2018	574	49	94	6	100

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
102	95	3	21	Nil	2

[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)

To improve the quality of teaching learning and to make students actively participate in the class environment four types of best practices are employed. The importance of improving the quality of learning Activity based learning, active learning, technology enabled learning, collaborative learning, participative learning and peer learning are techniques employed to bring a change in the conventional method of teaching employed. Video lecturing, discussion forums, change in assessment pattern, industry partnership courses were used to check the effectiveness of the ICT based teaching method. Collaborative learning is employed for programming course in an E-learning environment. A significant improvement claims that collaborative learning can be used as pedagogical tool to enhance teaching learning capabilities in a programming course. Peer learning was used as a pedagogic tool. Learning through peers, colleagues, students in and outside the university improved the skill set in a research environment. Peer learning improved critical thinking, problem solving skills, self learning skills. In addition, it is more learners centric thereby an effective tool for knowledge acquisition and transfer. Monotonous teaching learning limits active participation of students in class room activities and listening lectures

continuously. This problem can be overcome by inducing interest among the students through usage of innovative methods in teaching learning. Therefore our work focuses on introducing innovative methods in teaching learning paradigm such as collaborative learning, peer learning, technology enabled learning and active learning strategies for students with different learning styles. The performance of the proposed pedagogical change in teaching learning is assessed in terms of course end survey, student feedback and assessment results for students with different learning styles. The course delivery is based on conventional teaching aids like chalk and board, presentation slides (Over head projector and multimedia projector). The assessment pattern includes a continuous assessment for 50 marks and End semester evaluation for 50 marks. The continuous assessment includes two periodical tests, assignment, tutorial and quizzes. The end semester evaluation includes a written examination comprising the course syllabus. Communication engineering course aims at building end to end telecommunication system with focus on modulation techniques, noise performance, receiver design etc. Studying the concepts of this course in a theoretical way is more abstract and students do not appreciate the subject. To understand the concepts practically implementing systems that simulate the theory concepts is essential. MATLAB is one such simulation tool that uses a proprietary programming language developed by Mathworks to implement end to end communication systems. The course materials for the topic are shared by the teacher. Participative learning methodology employed was evaluated using a group presentation on the technical topic. Each team presented the topic to the fellow class mates and faculty member. It was observed that each group presented the topic to their best using information gathered from multiple sources. Scores are awarded to the students based on content delivery, extra effort taken by the students and ability to answer complex questions. Participative learning improved the understanding when compared to peer learning as the material is shared by the teacher.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1889	115	1:16

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	7	6	24

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. Manjunath GB	Assistant Professor	Green Thinker Z
2018	Mr. Shivanna K	Assistant Professor	Best Paper Award
2018	Mr. Santosh Kumar M	Assistant Professor	Silver Partner

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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	Electronics and	1, 3, 5, 7/1, 2, 3, 4	30/11/2018	25/01/2019

	Communication Engineering			
BE	Information Science Engineering	1,3,5,7/1,2,3,4	30/11/2018	25/01/2019
BE	Computer Science and Engineering	1,3,5,7/1,2,3,4	30/11/2018	25/01/2019
MBA	Masters in Business Administration	2,4/1,2	17/06/2019	14/08/2019
BE	Biotechnology	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
BE	Mechanical Engineering	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
BE	Civil Engineering	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
BE	Electronics and Communication Engineering	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
BE	Information Science Engineering	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
BE	Computer Science and Engineering	2,4,6,8/1,2,3,4	23/05/2019	10/09/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The evaluation of learning and teaching has long been an important institutional activity due to the emphasis placed on quality assurance in the Higher Education. The level of centralization at the institution has a significant impact on the extent to which there is an institution-wide approach to the monitoring and evaluation of learning and teaching. In institutions with a high level of faculty autonomy either formally or culturally Ensuring meaningful engagement of students in evaluation processes came up repeatedly, regardless of the specific evaluation methodology used. Examples of difficulties included achieving sufficient response rates to student surveys, involving students in curriculum development, and offering sufficient opportunities for input to governance and decision-making processes in order to involve them in discussions about follow-up of evaluation results. In order to ensure the quality of the educational offer, it is important to evaluate not just student outcomes but to consider the full range of aspects that contribute to the student learning experience. This involves looking more broadly at facilities and services provided for students, including library resources, learning spaces and student support, such as academic writing and career development. Institutions should also consider linking the provision of these services more strongly to the programmes themselves in order to facilitate visibility and cooperation. Support services for teachers should also be included in evaluation and monitoring processes. This includes ensuring appropriate support for teachers so that they know how to properly define, communicate, use and assess learning outcomes offering sufficient opportunities

for developing teaching competences.

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

Maintaining the sanctity of academic expectations and integrity of examination process, the Institute implies modes and methods of examinations to complete the process in shorter period of time in compliance with CBCS requirements as prescribed by University. The most important outcomes desired in teaching depends a great extent on the teacher's ability, to be a skilled performer with good learner attributes. We can take into consideration in relation to a particular class where we have diverse population of students. The universities may adopt and implement these Guidelines in a transparent manner by making alterations/ additions/ modifications/ amendments to deal with particular situation(s) in the best interest of students, educational institution and the entire education system. The Examination Cell is managed by COE who is responsible for all maintenance of all student performance records, communication from the Office of the Controller of Examinations to the departments and vice versa, issue of examination applications to students, submission of examination application at the Office of the Controller of Examinations, coordinate with the EMS Coordinators for the smooth conduct of the Practical Examinations and Theory Examinations. On receipt of the schedule for conducting practical examination from University for each semester, a circular is sent to all HODs asking for the details of internal examiners and practical examinations. Those faculty who have completed 5 years of teaching experience are eligible for the internal Examiner ship, however relaxation are permitted with the approval of Principal. These are forwarded to University office through Principal.

2.6 – Student Performance and Learning Outcomes

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

<https://gmit.ac.in/76/po201819.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	54	100
UG-ECE	BE	Electronics and Communication Engineering	98	93	94.89
UG-BT	BE	Biotechnology	24	24	100
UG-ME	BE	Mechanical Engineering	108	102	94.44
UG-CV	BE	Civil Engineering	62	58	93.5
UG-IS	BE		49	48	98

		Information Science & Engineering			
UG-CS	BE	Computer Science and Engineering	60	60	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/cr2/2.7/graduateexitsurveys2018-19.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	0	NIL	0	0
Minor Projects	0	NIL	0	0
Interdisciplinary Projects	0	NIL	0	0
Industry sponsored Projects	0	NIL	0	0
Projects sponsored by the University	365	VTU	0.3	0.3
Students Research Projects (Other than compulsory by the University)	365	KSCST	0.39	0.39
International Projects	0	NIL	0	0
Any Other (Specify)	5	ISTE	0.05	0.05
Total	Nil	Nil	0.74	0.74

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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
Two day workshop on Intellectual Property Rights (IPR) organised by	Mechanical Engineering	17/09/2018

GMIT-KSCST-IPR		
AWS workshop	Electronics and Communication Engineering	01/03/2019

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
Ensure Confidentiality and Authenticity of Cloud Data: An Effective Approach	Shivanna K	National Conference on Emerging Trends in Engineering, Research and Management (NCETERM) -2018 held at GMIT, Davangere	27/09/2018	Best Paper
An Experimental study on pervious Concrete - A sustainable choice in Civil Engineering	Mr. Swamy LV Mr. Mohammed Yaseen	KSCST	26/07/2019	Faculty Mentor
An Experimental study on the pervious concrete -A- sustainable choice in civil Engineering	Vinutha M C	KSCST	27/03/2019	Students project Proposal
Feasibility of Electrocoagulation for the Treatment of Leachate by using aluminum electrode	Rachana R	KSCST	27/03/2019	Students project Proposal
The Elixir of life -Water generation from the thin air	Shreyansh N Rawal and Team	Smart India Hackathon	31/03/2019	Students project Proposal
Proposed Bus rapid transit system from Davanagere to Harihar	Ashwini D shyadambi	RASTA	04/04/2019	Paper Presentation
Talentronix	Anusha B H	STJIT, Ranebennur	05/04/2019	Paper Presentation
NSIGNIA' 19 National Level Techno - Cultural Fest	Vidyashree N T	SDM College of Engineering, Dharwad	23/03/2019	Paper Presentation

NSIGNIA' 19 National Level Techno - Cultural Fest	Nivedita Suresh Gubber	SDM College of Engineering, Dharwad	23/03/2019	Paper Presentation
TECHNIE' 19 National Level Technical Fest	Anupama N P	K.L.E Institute of Technology Hubballi	15/03/2019	Paper Presentation
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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
Gem Ventures LLP (Bhimart), Bengaluru	Bhimart	Gem Ventures LLP (Bhimart), Bengaluru	Bhimart	Internship, Mini Projects, Student's academic projects, Product Development, Industry Visits	11/08/2018
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Information Science and Engineering	7	1.56
International	Physics	1	3.2
International	Computer Science and Engineering	1	Nil
International	Civil Engineering	16	5.36
International	Electronics and Communication Engineering	3	0.12
International	Masters in Business Administration	4	6.40

International	Mechanical Engineering	15	1.84
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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
Mechanical Engineering	2
Electronics and Communication Engineering	4
Computer Science and Engineering	3
Information Science and 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
Tensile and flexural properties of areca sheath fibers	Dr. Srinivasa C V	Materials Today: Proceedings	2018	0	GM Institute of Technology Davangere	Nil
Spectral studies on chemically modified single areca fibre	Dr. Srinivasa C V	Materials Today: Proceedings	2018	0	GM Institute of Technology Davangere	Nil
A review on the mechanical properties of areca fiber reinforced composites	Dr. Srinivasa C V	Science and Technology of Materials	2018	0	GM Institute of Technology Davangere	Nil
Performance and Emission Characteristics of a CI Engine using Preheated Simarouba Biodiesel blends	Dr. Rajkumar D G	AIP Conf. Proc.	2018	0	GM Institute of Technology Davangere	Nil

Statistical Analysis of Response Parameters during Electro-Chemical Discharge Machining of Crystal Glass	Dr.Bharath K N and Di leepkumar S G	Journal of Engineering Research and Application	2018	0	GM Institute of Technology, Davangere	Nil
Free vibration studies on plates with central cut-out	Dr. Srinivasa C V	CEAS Aeronautical Journal	2018	0	GM Institute of Technology, Davangere	Nil
Investigating the contribution of geometrical parameters and immersion time on fracture toughness of jute fabric composites using statistical techniques	Mr. Manjunatha G B Bharath K N	Fracture and Structural Integrity	2018	0	GM Institute of Technology, Davangere	Nil
Experimental Investigation on Mechanical Behavior of Epoxy based Jute/Glass Fiber Reinforced Hybrid Composite	Harsha H M	Journal of Emerging Technologies and Innovative Research	2018	0	GM Institute of Technology, Davangere	Nil
Effect of particle size and concentration of SiCp	Shivaprakash P	Journal of Emerging Technologies and Innovative	2018	0	GM Institute of Technology, Davangere	Nil

on Al 6061 metal matrix composite produced by stir casting method		Research				
Development And Characterization Of Hybrid Aluminum Metal Matrix Composites	Dr. Bharath K N	ACTA TECHNICA CORVINIENSIS	2019	0	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
Tensile and flexural properties of areca sheath fibers	Dr. Srinivasa C V	Materials Today: Proceedings	2018	Nil	5	GM Institute of Technology Davangere
Spectral studies on chemically modified single areca fibre	Dr. Srinivasa C V	Materials Today: Proceedings	2018	Nil	2	GM Institute of Technology Davangere
A review on the mechanical properties of areca fiber reinforced composites	Dr. Srinivasa C V	Science and Technology of Materials	2018	Nil	16	GM Institute of Technology Davangere
Performance and Emission Characteristics of a CI Engine using Preheated Simarouba	Dr. Rajkumar D G	AIP Conf. Proc.	2018	Nil	Nil	GM Institute of Technology Davangere

Biodiesel blends							
Statistical Analysis of Response Parameters during Electro-Chemical Discharge Machining of Crystal Glass	Dr. Bharath K N Dileepkumar S G	Journal of Engineering Research and Application	2018	Nil	Nil	GM Institute of Technology Davangere	
Free vibration studies on plates with central cut-out	Dr. Srinivasa C V	CEAS Aeronautical Journal	2018	Nil	4	GM Institute of Technology Davangere	
Investigating the contribution of geometrical parameters and immersion time on fracture toughness of jute fabric composites using statistical techniques	Mr. Manjunath G B Bharath K N	Fracture and Structural Integrity	2018	Nil	4	GM Institute of Technology Davangere	
Experimental Investigation on Mechanical Behavior of Epoxy based Jute/Glass Fiber Reinforced Hybrid Composite	Harsha H M	Journal of Emerging Technologies and Innovative Research	2018	Nil	Nil	GM Institute of Technology Davangere	
Effect of particle size and c	Shivaprakash P	Journal of Emerging Technologies	2018	Nil	Nil	GM Institute of Technology	

oncentration of SiCp on Al 6061metal matrix composite produced by stir casting method		s and Innovative Research				Davangere
Development And Characterization Of Hybrid Aluminum Metal Matrix Composites	Dr. Bharath K N	ACTA TECHNICA CORVINIENSIS	2019	Nil	3	GM Institute of Technology 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	Nil	4	28	Nil
Presented papers	5	4	Nil	Nil
Resource persons	Nil	Nil	Nil	1
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
Organised "Orientation Program" for first year students about NSS and Socially relevant activities	GMIT, Davanagere	1	450
Organised a special voting awareness Program for new voters and enrolment campaign for first year students	Under the banner of NSS wing, GMIT and Election commission, city corporation, Davangere	1	500
Organised "Blood Donation camp" to commemorate the	SSIMS and research centre, Davngere and Rotary	1	150

death anniversary of late. G Mallikarjunappa and Late. G M Halamma	Club and Lions club, Vidyanagara, Davangere		
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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
NSQF (National Skills Qualification Framework) program under IT sector, MHRD GOI, New Delhi	Recognition	Rajanahalli Seethamma Girls Govt. PU College, Davanagere	30
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Workshop	Under the banner of NSS and Composite Regional Centre (CRC) for persons with disabilities (Davyangjan)	"Awareness Program for college students on Disabilities"	1	100
NSS	GMIT, Davanagere	Swachh Bharath Abhiyan	1	150
Health Check Camp	Under the Banner of NSS in collaboration with Indian Red Cross Society and Indian medical association, Davanagere	Organized One day health check-up camp	1	120
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NIL	0	NIL	0
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
MoU	Incubation Center	Gem Ventures LLP (Bhimart)	11/08/2018	31/07/2019	Students
Academics	Internship	SHIMUL, Ma chenahalli, Nidige Post Shivamogga-577 222. Karnataka	01/08/2018	30/09/2018	Students
Academics	Internship	Mysuru University, Mysuru	09/07/2018	04/08/2018	Students
Academics	Internship	Cargill Industries, Harihar	10/07/2018	10/08/2018	Students

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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
Gem Ventures LLP (Bhimart)	11/08/2018	Industrial Visit/ /Internship/ Project	20
Redhat	03/01/2019	Webinar/Knowledge Transfer/Training	20
Grasim Industries Limited, Kumarapatnam Harihar	06/02/2018	Internship	2
Sri Venkateshwara Hatcheries Pvt Ltd	04/01/2018	Industrial Visits and Internship (10/05/2019)	54
MEDINI Vijayanagara, Bangalore	18/12/2018	Students Internship	1
Nandhi Enterprises Davanagere	19/12/2018	Students Internship	1

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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

(hard & soft)						
Others(s pecify)	11	13333	Nil	Nil	11	13333
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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	631	444	606	0	100	11	0	55	76
Added	61	9	61	0	50	0	0	0	12
Total	692	453	667	0	150	11	0	55	88

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
51.86	49.39	225.34	214.61

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)

<p>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</p>
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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. Potable 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/cr4/4.4/4.4.2/proceduresandpolicies2018-19.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	NIL	0	0
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	1266	27005582

	Technical Board - ST, Backward community Minority Department, PMSS JK Scholarships and KSCST		
b)International	NIL	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development - Paper collage competition	28/02/2019	40	Pyramid-Civil Forum
Bridge course -Site visit to "Bricks Manufacturing industries"	27/02/2019	88	Pyramid-Civil Forum
Bridge course -Technical talk on "Pollution Status in Karnataka	23/02/2019	85	INSTRUCT and ISTE
Bridge course -technical talk on "Precast Concrete Technology for Fast Track Constructions	16/02/2019	88	INSTRUCT and ISTE
Soft skill development - Power point presentation competition	12/11/2018	40	Pyramid-Civil Forum
Bridge course -Technical Trip	15/10/2018	62	Pyramid - Civil Forum
Bridge course -Industrial visit to water treatment plant	30/09/2018	62	Pyramid - Civil Forum
Career opportunities after graduation for Biotechnology Students	20/09/2018	56	TIME, Davanagere
Talk on Second Generation Green Fuel Technology and Trends	23/08/2018	65	Genelix Dept Forum Activity
Bridge course -Technical talk on "Best Construction Practices"	13/03/2019	85	INSTRUCT and ISTE

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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
2018	Placement Training on "Employability Skills"	Nil	67	Nil	8
2019	Brush Up Session on Interview Skills	Nil	67	Nil	Nil
2019	Infosys Specific Training	Nil	67	Nil	1
2018	NPTEL	1	Nil	1	Nil
2019	NPTEL	16	Nil	Nil	Nil
2019	PGCET	2	Nil	2	Nil
2019	MAHE-MANIPAL	1	Nil	1	Nil

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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
17	17	14

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
SLK Software Services Pvt. Ltd, Omics International Ujjivan Small Finance Bank, Omics International Milople	3700	286	Multistoreys Projects private limited, Keerthi constructions, Niketan Consultants, Global technologies, NTT DATA, TCS,	59	45

Technologies Pvt. Ltd, Whizchip Technologies, Vee Technologies, etc.			Smart Brain Engineer Technologist pvt.ltd, Cognizant, Capgemini, IBM, etc.	
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Computer Science and Engineering	University of Stirling, Scotland	Master's in Business Analytics
2019	1	BE	Computer Science and Engineering	University of Surrey, UK	Master's in Data Science
2019	1	BE	Civil Engineering	BIET, Davanagere	Environmen tal Engineering
2019	2	BE	Civil Engineering	BIET, Davanagere	Structural Engineering
2019	1	BE	Civil Engineering	NICMAR, Pune	Advanced Construction Management
2019	1	BE	Civil Engineering	NCET, Bengaluru	Structural Engineering
2019	1	BE	Civil Engineering	SIT, Tumkur	TEM
2019	1	BE	Civil Engineering	Ira A. Fulton School of Engineering, Arizona State university	Construction Management and Technology
2019	1	BE	Biotechnol ogy	Monash University, Southbank, Victoria Australia	MS in Advanced Bio technology
2019	1	BE	Biotechnol ogy	HTW Berlin	MBA-E in Lifesciences

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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	1
GRE	2
TOFEL	Nil
Civil Services	Nil
Any Other	10
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Wrestling (M and W)	VTU INTER COLLEGE	4
Throw Ball (W)	VTU INTER COLLEGE	10
Table Tennis (M and W)	VTU INTER COLLEGE	6
Cricket Selection (W)	VTU INTER COLLEGE	1
Power Lifting (M and W)	VTU INTER COLLEGE	4
Best Physique (M)	VTU INTER COLLEGE	2
Wheat Lifting (M and W)	VTU INTER COLLEGE	9
Volleyball(W)	VTU INTER COLLEGE	10
Foot Ball (M and W)	VTU INTER COLLEGE	13
Cricket	VTU INTER COLLEGE	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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Weight Lifting	National	1	Nil	4GM17MBA22	Manjunatha K R
2018	Judo	National	1	Nil	4GM16ME028	Kiran
2018	Judo	National	1	Nil	4GM18MBA40	Syeda Gazala
2018	Judo	National	1	Nil	4GM17MBA46	Sagar R R
2018	Judo	National	1	Nil	4GM17MBA27	Nandini K M
2018	Karnataka State	National	1	Nil	4GM18ME023	Danush A S

	Strength Lifting					
2018	Karnataka State Strength Lifting	National	1	Nil	4GM16ME032	Kiran Naik LG
2018	Karnataka State Strength Lifting	National	1	Nil	4GM18ME023	Danush A S
2018	Karnataka State Strength Lifting	National	1	Nil	4GM18BT006	Chetan T
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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:

2400

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

51778

5.4.4 – Meetings/activities organized by Alumni Association :

1. Meeting on 22/09/2019 – Agenda: i. Review of previous alumni meet. ii. Formation of core committee for alumni association. iii. Discussion on conduction of alumni meet. iv. Roles and responsibilities of alumni. 2. Alumni Meet on 20/10/2021- Agenda- i. Areas of coordination of alumni - Project works, Internship, Research Work, Guest of event in institution, bringing resource persons, HR contacts. 3. Alumni Activity 24/08/2018- CSE Department: Technical Talk "Importance of Forum Industry Requirements" on 24/08/2018 by Mr. Sachin R, Alumnus CEO ,TBITS FOODBIND, Davangere. ECE Department: Technical Talk "How To Choose Quality Projects For Final Year" on 04/09/2018 by Mr. Ganesh Tilve, Alumnus Assistant Professor, BIET, Davangere. BT Department: Technical Talk "Career Opportunities after Graduation" on 26/09/2018 by Mr. Ganesh K, Alumnus Faculty and Counselor, Triumphant Institute of Management Education (TIME), Davangere.

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)

To work toward a decentralized structure, GMIT has a framework for delegating power and granting institutional control to all of the different functionaries. 1. GMIT follows the approach of Professional Management in management and aims to apply the concept of expertise in academic and administrative matters. The Institute strongly believes in decentralization power-sharing practices. The institute develops quality at various levels - Management, Executive Council, Principal, IQAC Committee, NAAC Committee, Dean Academics and Dean Student Welfare, NSS, all work together for the good of the institution. Along with these, new committees have been introduced like Dean Research and Development, Dean First Year Academics, NPTEL Coordinator, to focus on funding and grants, to monitor all the activities of first year students, and increase the more number of participation various NPTEL courses respectively. The college gives everybody a greater chance to participate in the decision-making process because the institutional and learning structures are set together in such a way that participation is encouraged. The department meets often, and the suggestions are shared with the principal, various Deans, and all other department heads before a definitive decision is made. 2. GMIT places a strong emphasis on decentralization, intending to ensure that everyone has a fair chance to participate. The management committee, the college governing council, and each committee have been given separate responsibilities to cater to the needs of the institution for its continued growth and advancement. The Principal, Heads of Departments, Teaching and Non-Teaching Staff, Student Union Presidents, and Class Student Leaders work together to promote the institutions success by sharing duties, participating in the institutions development, and working in accordance with the institutions goals and objectives. GMIT has its own rooftop solar system, which is South India's Second Highest with 1500 kWp capacity and it can produce 5000-7000 units of power per day. To monitor and coordinate all the works related to rooftop solar system college has created Dean non-conventional energy sources. According to VTU, GMIT has revised and designated the statutory committees and non-statutory committees to make recommendations to the colleges administration. 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)?

No

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	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. Valuable fee concession (100 / 50) plus industry mentorship plus internships etc., offered improves admission quality. 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. 3. To motivate students to excel in academics management is awarding Gold Medal to students securing more than 90 and Tuition fees is reimbursed for students getting university rank

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) MOU(Memorandum of Understanding) During the academic year 2018-19 with near by industries has been renewed.

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.

Library, ICT and Physical Infrastructure / Instrumentation

The digital library has been reinforced with the latest version computers replacing the older ones. The association with VTU (VTU Consortium) to share digital content under license is continued by renewing the license annually. 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 renovated and refurbished. All the class rooms are enabled with ICT facility A Language laboratory for practicing communicative English has been established during the academic year 2017-18.

Research and Development

The Institution is engaged in research and development with 8 VTU approved research centers to facilitate faculty to pursue research activities and executing sponsored projects. The research policy of the Institution is reviewed annually and published to all faculty / website. The revised policies are encouraging in terms of direction and quality of research, workload, reimbursement of expenses and support grants. the Institution has established centers of excellence to facilitate both the faculty and the students to

	<p>pursue research activities Commencing from first year in the department / program, Centre of Excellence (CoE) activities are planned and scheduled.</p>
<p>Examination and Evaluation</p>	<p>The institution has adopted an Outcome Based Education (OBE) system.</p> <p>1) The faculty evaluate the levels of examination questions set by the university for Semester End Examination (SEE) and identify the gaps to be made up to meet the requirements of Course Outcomes (COs). 2) The faculty in each subject supplements the content together with assignments to be completed by students to meet the requirements of Program Outcomes (POs) and prepare students to meet the current needs of the industry. To administer uniformity for conduct of internal assessment tests that incidentally would be accountable for measurement of Course Outcomes attainments and Program Outcome attainments.</p>
<p>Teaching and Learning</p>	<p>The institution has been following student centric Teaching and Learning methods for the past four years. The faculty continuously improves the delivery system by adapting the PDCA (Plan, Deliver, Check, Act) cycle. The faculty carefully design the delivery content, student participation activities and the assignments to be completed by the students during the semester for every subject. As a part of continuous evaluation process three internal assessment tests are conducted. The institution has adapted the innovative practice aims at active learning process by participate in group learning activity in inside the classroom. The emphasis has shifted to the practice of outcome based education (OBE) to get accreditation by NBA.</p>
<p>Curriculum Development</p>	<p>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 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 the revised / new curriculum. Further the institution captures the data pertaining to curriculum / syllabus by obtaining</p>

feedback by the alumni once a year and students during the final year of their course. The consolidated recommendations are forwarded to the university to updating the content to meet the current trends in the industry.

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

E-governance area	Details
<p>Planning and Development</p>	<p>The college established functional Memorandum of Understanding with various organizations for skill development training • To conduct skill-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>
<p>Administration</p>	<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>
<p>Finance and Accounts</p>	<p>GMIT using "TALLY" 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>
<p>Student Admission and Support</p>	<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</p>

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.

Examination

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

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Vinutha L B	"Applications of Lab VIEW in Engineering and research" at BIET, Davangere on 28th Jan to 2nd Feb 2019	NIL	1000
2019	Nagaveni S A	"Applications of Lab VIEW in Engineering and research" at BIET, Davangere on 28th Jan to 2nd Feb 2019	NIL	1000
2019	Manjula B K	"Applications of Lab VIEW in Engineering and	NIL	1000

		research" at BIET, Davangere on 28th Jan to 2nd Feb 2019		
2019	Venkata Sumana CH	"Applications of Lab VIEW in Engineering and research" at BIET, Davangere on 28th Jan to 2nd Feb 2019	NIL	1000
2019	Dr. Latha B M	"Applications of Lab VIEW in Engineering and research" at BIET, Davangere on 28th Jan to 2nd Feb 2019	NIL	1000
2018	Sampath Kumar B	" Artificial Intelligence, Machine Learning and Deep Learning" at Maharaja Institute of Technology, Mysore on 23rd to 27th July 2018	NIL	2795
2018	Vikas C Yatnalli	" Artificial Intelligence, Machine Learning and Deep Learning" at Maharaja Institute of Technology, Mysore on 23rd to 27th July 2018	NIL	2795
2018	Gururaj E	Machine Learning" at Malnad College of Engineering , Hassan on 28th to 2nd July 2018	NIL	500
2018	Chetan B V	Machine Learning" at Malnad College of Engineering , Hassan on 28th to 2nd July 2018	NIL	500
2018	Harisha G C	Machine	NIL	500

Learning" at
Malnad College
of Engineering
, Hassan on
28th to 2nd
July 2018

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Total Station	NA	02/04/2019	04/04/2019	16	Nil
2018	Two day workshop on Intellectual Property Rights (IPR) organised by GMIT-KSCSR-IPR	NA	17/09/2018	18/09/2018	78	6
2019	State Level 3 Day FDP on Internet of Things and its applications	NA	25/07/2019	27/07/2019	30	4

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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
Workshop on the "Concept of Internship in Technical Students through BOAT(Board of Apprenticeship Training)" held on 9th and 10th Oct 2018 at B.	1	09/10/2018	10/10/2018	2

S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai				
National Seminar on New trends in Biotechnology and 14th Conference of Society of Cytologists and Geneticists from 6th to 8th March 2019 at Department of Biotechnology, BIET, Davangere	1	06/03/2019	08/03/2019	3
Research methodologies and Latex	4	19/06/2019	21/06/2019	3
Recent Trends in Environmental Impact Assessment -Process and Procedures (RTEIA-PP)	1	17/01/2019	19/01/2019	3
Fluid Mechanics	1	27/08/2018	31/08/2018	5
Total Station and E Surveying	1	02/04/2019	04/04/2019	3
IoT and its Applications	2	25/07/2019	27/07/2019	3
Recent trends in database management system and its applications	6	28/07/2019	30/07/2019	3
IoT using Mic rocontrollers	3	26/02/2019	27/02/2019	2
National conference on Recent trends on Application of science in Engineering	1	28/09/2018	28/09/2018	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	3	Nill	1

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF	ESI	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 and 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
NIL	0	NIL
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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	Yes	Inhouse faculty - Mutual branch
Administrative	No	NIL	Yes	College recognized Auditor

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 pursue the MTech. Presently higher increments / professional growth like promotions is given (subjected to the availability of the vacancy) to those who pursued Phd., PDF etc., 3. Staffs 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. NBA

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	NBA	12/04/2019	12/04/2019	12/04/2019	2500
2018	Induction Program	13/08/2018	13/08/2018	25/08/2018	470
2018	Internships	04/05/2018	04/05/2018	04/05/2018	500
2018	Two Day Workshop on Intellectual Property Rights in Association with KSCST	17/09/2018	17/09/2018	18/09/2018	100
2018	Inauguration of IEA Institution Membership	15/09/2018	15/09/2018	15/09/2018	130
2018	IIT Bombay Spoken Tutorial	01/10/2018	01/10/2018	01/10/2018	135
2018	NIRF	05/08/2018	05/08/2018	05/08/2018	2500
2018	NCETERM 2018	05/10/2018	05/10/2018	06/10/2018	650
2018	NSS Activities - Sadbhavan Diwas	20/08/2018	20/08/2018	20/08/2018	200

2018	NSS Activities - Gandhi Jayanthi and Swachh Bharath Abhiyan	02/10/2018	02/10/2018	02/10/2018	150
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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
Women empowerment committee meeting	21/08/2018	21/08/2018	8	1
Demo on pad vending machines and burning machine through live demonstration and video clips	23/09/2018	23/09/2018	60	Nil
Women empowerment committee meeting	26/02/2019	26/02/2019	20	Nil
Women's day celebration	08/03/2019	08/03/2019	400	Nil

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
2019	Nil	Nil	01/01/2019	00	NIL	NIL	Nil
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
Human Values and Professional Ethics	06/08/2018	<p>The curriculum includes various courses to address Professional Ethics and Human Values.</p> <p>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</p> <p>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</p>

Communication
 16/17/18MBA24 - Business
 Law/Legal Aspects of
 Business/Business
 Environment 16/17MBAHR402
 Workplace Ethics and
 Value System. During
 Induction Programme for
 First Year Engineering
 and Management Students,
 The IIPC committee
 members decided to
 involve expert lectures
 on various sub-themes
 including Universal Human
 Values, Proficiency
 Modules, Lectures by
 Eminent Personalities,
 Motivational Talks,
 Visits to local places
 (Villages Historical
 Places). As the student
 intake is large in
 numbers it was
 collectively decided by
 the committee that the
 whole group of students
 were split into two
 groups i.e. Physics Group
 I - students of
 Mechanical, CS and IS
 Engineering (Section A,
 B, C, D) Chemistry Group
 II - students of
 Electronics
 Communication, Civil and
 Bio-Technology
 Engineering (Section E,
 F, G, H). The IIPC
 committee invited various
 experts from different
 institutions for
 Induction programme to
 interact with the new
 entrants and brief the
 learners with their
 expertise in various
 fields. Along with pep-
 talks the students were
 exposed to villages and
 historical places visit
 for catering their social
 as well as technical side
 of learning.

Code of Conduct

01/01/2018

<https://www.gmit.ac.in/CodeofConduct.pdf> <https://www.gmit.ac.in/ServiceRules.pdf>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
"Orientation Program" for first year students about NSS and Socially relevant activities	08/08/2018	08/08/2018	450
Celebration of "Independence Day" in our college campus by NSS Wing, GMIT	15/08/2018	15/08/2018	400
Celebration of "Sadbhavan Diwas" by reading the pledge by all the students of our college	20/08/2018	20/08/2018	200
Celebration of "Gandhi Jayanthi and Swachh Bharath Abhiyan" in Campus by all the NSS Volunteers and teaching and non teaching staffs	02/10/2018	02/10/2018	150
A special voting awareness Program for new voters and enrolment campaign for first year students under the banner of NSS wing, GMIT and Election commision, city corporation, Davangere	15/11/2018	15/11/2018	500
Organised "Blood Donation camp" to commomorate the death annivarsery of late. G Mallikarjunappa and Late. G M Halamma in collaboration with SSIMS and research centre, Davngere and Rotary Club and Lions club, Vidyanagara, Davangere	20/11/2018	20/11/2018	150
one day workshop for NSS volunteers and other students	07/12/2018	07/12/2018	100

of college about "Awareness Program for college students on Disabilities" under the banner of NSS and Composite Regional Centre (CRC) for persons with disabilities(D ivyangjan)

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

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.

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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice No. 1 – RAINWATER HARVESTING SYSTEMS AND ITS FEATURES Rainwater Harvesting is a simple technique of catching and holding rainwater where its falls. Either, we can store it in tanks or we can use it to recharge groundwater depending upon the situation. Features of Rainwater Harvesting are:

- Reduces urban flooding.
- Ease in constructing system in less time.
- Economically cheaper in construction compared to other sources, i.e. dams, diversion, etc.
- Rainwater harvesting is the ideal situation for those areas where there is inadequate groundwater supply or surface resources.
- Helps in utilizing the primary source of water and prevent the runoff from going into sewer or storm drains, thereby reducing the load on treatment plants.
-

Recharging water into the aquifers which help in improving the quality of existing groundwater through dilution. COMPONENTS OF RAINWATER HARVESTING SYSTEM: A rainwater harvesting system comprises of components for - transporting rainwater through pipes or drains, filtration, and tanks for storage of harvested water. The common components of a rainwater harvesting system are:-

1. Catchments: The surface which directly receives the rainfall and provides water to the system is called catchment area. It can be a paved area like a terrace or courtyard of a building, or an unpaved area like a lawn or open ground. A roof made of reinforced cement concrete (RCC), galvanized iron or corrugated sheets can also be used for water harvesting.
2. Coarse Mesh: It prevents the passage of debris, provided in the roof.
3. Gutters: Channels which surrounds edge of a sloping roof to collect and transport rainwater to the storage tank. Gutters can be semi-circular or rectangular and mostly made locally from plain galvanized iron sheet. Gutters need to be supported so they do not sag or fall off when loaded with water. The way in which gutters are fixed mainly depends on the construction of the house, mostly iron or timber brackets are fixed into the walls.
4. Conduits: Conduits are pipelines or drains that carry rainwater from the catchment or rooftop area to the harvesting system. Commonly available conduits are made up of material like polyvinyl chloride (PVC) or galvanized iron (GI).
5. First-flushing: A first flush device is a valve which ensures flushing out of first spell of rain away from the storage tank that carries a relatively larger amount of pollutants from the air and catchment surface. The detail designing of first flushing is dealt in section 7.4.
6. Filters: The filter is used to remove suspended pollutants from rainwater collected from rooftop water. The Various types of filters generally used for commercial purpose are Charcoal water filter, Sand filters, Horizontal roughing filter and slow sand filter.
7. Storage facility: There are various options available for the construction of these tanks with respect to the shape, size, material of construction and the position of tank and they are:-
Shape: Cylindrical, square and rectangular. Material of construction: Reinforced cement concrete(RCC), masonry, Ferrocement etc.
Position of tank: Depending on land space availability these tanks could be constructed above ground, partly underground or fully underground. Some maintenance measures like disinfection and cleaning are required to ensure the quality of water stored in the container. If harvested water is decided to recharge the underground aquifer/reservoir, then some of the structures mentioned below are used.
8. Recharge structures: Rainwater Harvested can also be used for charging the groundwater aquifers through suitable structures like dugwells, borewells, recharge trenches and recharge pits. Various recharge structures are possible - some which promote the percolation of water through soil strata at shallower depth (e.g., recharge trenches, permeable pavements) whereas others conduct water to greater depths from where it joins the groundwater (e.g. recharge wells). At many locations, existing structures like wells, pits and tanks can be modified as recharge structures, eliminating the need to construct any fresh structures. Some of the few commonly used recharging methods are recharging of dug wells and abandoned tube wells, Settlement tank, Recharging of service tube wells, Recharge pits, Soak ways /Percolation pit , Recharge troughs, Recharge trenches, Modified injection well.

METHODOLOGY: 1.Collection of rainfall data 2.Estimation of Annual average rainfall. 3.Design of waster sump capacity. 4.Design of pipe Diameter and length.

CONCLUSION: 1. It can be noted that based on the studies rain water harvesting can be adopted successfully to our study area.. 2. It can used for secondary purposes in the campus like gardening, washing streets and flushing etc.. 3. It can conclude that other than recycle and re-use of water, rain water harvesting is also efficient way of saving fresh water. 4. It can be concluded that approximately 12 lakh litres of water per year.

Practice No. 2 - SOLID WASTE MANAGEMENT SYSTEM Solid Waste management is the generation, prevention, characterization, monitoring, treatment, handling, reuse and

residual disposition of solid wastes". To reduce the effect of wastes on health and environment or aesthetics, Solid waste management should be undertaken. The waste management strategies developed should aim at reduction of waste generation and maximum practical benefits from the products. The waste hierarchy includes: preventing the generation of waste, reducing the generation of waste i.e. by reuse, recycling and composting. The final action is to dispose in landfills and incineration. Source of solid waste and segregation Waste characterization consists of collecting waste at its source and directly sorting it out into types of materials. The waste was collected on a daily basis from various sources in the college and was brought to the common area in the ground for further segregation by category. The collected waste was separated into dry waste and wet waste. Dry waste was then segregated into recyclables (paper and card-board plastic and pet bottles glass, metals) and non-recyclables. 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 (leaves, twigs, vegetable waste, fruit waste etc.), Blue for paper waste (newspapers, magazine, light paper, paperboard cartons etc.), Red for plastic waste (plastic bags, PET bottles, buckets 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. Evidence of success: • 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 bio digester unit to convert the food and kitchen waste into cooking gas or biogas. Summary: Solid waste is any garbage or rubbish which includes domestic, commercial and industrial wastes. Improper handling of solid waste and indiscriminate disposal give rise to numerous potential risks to the environment and to human health. To reduce their effect on health, the environment or aesthetics Solid waste management is undertaken. Waste segregation at the source is adopted to avoid a mixing or pollution of the different waste fractions, which is useful for recycling. Moreover, direct handling/ sorting of garbage or solid waste by the waste workers and the rag pickers results in chronic diseases. Thus waste sorting / segregation at source ensure and promote recycling and reuse of segregated materials. And also helps to minimize the waste (Dry non recyclables) that needs to be disposed in landfills and thus reduce the environmental impact of disposal sites. In our Institution we have different categories of dustbins (Blue and Green Color) for collection of dry and wet wastes separately. Green Color bin is used to collect wet waste (biodegradable) which is recycled and reused. The non-degradable wastes (dry waste) are collected in the Blue bins, which is of very less quantity which is handed over to the recyclers. However the wet waste from the kitchen and yard waste is composted using vermicomposting technique. In this campus the yard waste is composted in the composting yard , and reused within the campus as manure after composting at Composting yard.

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/cr7/7.2/bestpractices2018-19.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 was established with the vision to provide Quality, Technical and Management Education to the central part of the Karnataka students. It has

a good infrastructure and human resources to nurture the research competencies among the students and faculty members. Induction Programme was organized with an objective to provide ample of time and a platform for the transition of students from school to the hard-core engineering. In the program 220 plus parents and 280 plus students were present. Orientation programme aimed to enhance student's familiarity with the faculties, GMIT Campus, its facilities and a plethora of cultural activities of the institution and also to give the bird's eye view about various dimensions of engineering and the career opportunities for the engineering students and to acquaint them with the systems and procedures of the college. To uplift the education levels of the sub-urban and rural youth, the institution has set up several centers to give the training. The training placement department plays a crucial role in providing job opportunities for Under Graduates passing out from the college by keeping in touch with world class industries. The Training Placement Department operates round the year to facilitate contacts between companies and graduates. MoUs have been signed between the College and various industries/academia to carry out the research and consultancy activities, to provide placement and industry opportunities and industry visits. The institute invites guest speakers from the industry which help the required level of knowledge about the regional and global employment opportunities for the students. The KSCST-GMIT IPR CELL organized a two-day training awareness programme on Intellectual Property Rights" on 17 18 September 2018 at GMIT, Davangere to encourage students, research scholars, faculty members professionals from industry and start-ups to engage in applied innovative research and development of products/processes that can be transferred to the benefit of society at large. The students and faculties have taken and certified with various online NPTEL courses. The college had set up NPTEL local chapter from 2017 which will be under the headship of a faculty member of a college called as SPOC to encourage more students across colleges to participate in this initiative. The women empowerment cell aims to empower girl students and faculty, enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for women faculty and students.

Provide the weblink of the institution

<https://gmit.ac.in/naac/cr7/7.3/institutionaldistinctiveness2018-19.pdf>

8.Future Plans of Actions for Next Academic Year

The Institution has planned robust future plans for the coming academic year after submission of first AQAR report to NAAC portal for 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 the remaining 1UG Program - Information Science and Engineering and 1 PG Program MBA after 5 UG Programs (CSE,ECE, ME, CV and BT) submission and facing the peer team visit by NBA to give assurance to the stakeholders that the teaching learning process at the campus is International standard by accrediting all the available Programs in the campus . 2. To bridge the gap between Industry and academia, the institution decided to go for more MOUs with industries and institutions to promote corporate activities in the campus. 3. All the Heads have accepted to increase the number of workshops / Seminars / FDP / SDP / IPR activities in their respective departments mainly to teach the skills required by the corporate. 4. Placement Division has accepted to increase the placement training and also planned to place the non eligible students of each program. 5. Heads are promised to convert slow learners into advance learners by providing extra coaching.