



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	GMR INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. C L V R S V PRASAD
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08941-251592
Mobile no.	9441406014
Registered Email	gmr-it@gmrgroup.in
Alternate Email	prasad.clvrsv@gmrgroup.in
Address	G M R Nagar, G M R Institute of Technology
City/Town	RAJAM
State/UT	Andhra Pradesh
Pincode	532127

2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)	17-Aug-2012																								
Type of Institution	Co-education																								
Location	Rural																								
Financial Status	Self financed																								
Name of the IQAC co-ordinator/Director	Dr.L.Govinda Rao																								
Phone no/Alternate Phone no.	08941251593																								
Mobile no.	9440541768																								
Registered Email	iqac@gmrit.edu.in																								
Alternate Email	rajamurugadoss.j@gmrgroup.in																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://gmrit.org/AQAR2018-19.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://tinyurl.com/y4j28bxo																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A</td> <td>3.16</td> <td>2015</td> <td>14-Sep-2015</td> <td>14-Sep-2020</td> </tr> <tr> <td>1</td> <td>A</td> <td>3.24</td> <td>2010</td> <td>28-Mar-2010</td> <td>14-Sep-2015</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	2	A	3.16	2015	14-Sep-2015	14-Sep-2020	1	A	3.24	2010	28-Mar-2010	14-Sep-2015
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2	A	3.16	2015	14-Sep-2015	14-Sep-2020																				
1	A	3.24	2010	28-Mar-2010	14-Sep-2015																				
6. Date of Establishment of IQAC	04-Feb-2009																								
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																					

Sensitization session and Road show on Cohesive Teaching Learning Practices (CTLP) for new recruiters	05-Feb-2019 2	40
Fostering Higher Order Thinking under the framework of RBT and OBE	27-Jun-2019 2	53
One day National Colloquium on National Education Policy	27-Jun-2019 2	100
Advanced Programme Assessment: Theory to Practice; Phase-1	27-Jun-2019 2	28
Advanced Programme Assessment: Theory to Practice; Phase-2	27-Jun-2019 2	26
Curriculum Design, Development, Delivery and Assessment in the Context of OBE: Theory to Practice (Sponsored by AICTE)	27-Jun-2019 2	40
Advanced Programme Assessment: Theory to Practice; Phase-3	03-Oct-2019 2	24
Follow up Session on Advanced Programme Assessment: Theory to Practice; Phase 1	03-Oct-2019 2	28
Follow up Session on Advanced Programme Assessment: Theory to Practice; Phase 2	03-Oct-2019 2	26
Internal Academic Audit	03-Oct-2019 2	19
View File		

8. Provide the list of Special Status conferred 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
GMRIT	NA	ZERO	2020 00	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC	View File												
10. Number of IQAC meetings held during the year :	4												
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)													
<p>? Preparation and Submission of the NAAC SSR for third cycle accreditation ? Sensitization on assessment of Higher Order Thinking skills (Open book examination and Evaluation) ? Sharing of the inputs of the stakeholders on the draft National Education Policy 2020 to MHRD ? Several faculty capacity building programs are conducted Online/offline for the members of faculty during the year AY 201920</p>													
View File													
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													
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14. Whether AQAR was placed before statutory body ?	No												
15. Whether NAAC/or any other accredited	Yes												

body(s) visited IQAC or interacted with it to assess the functioning ?	
Date of Visit	23-Dec-2017
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	31-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Management Information System is in place to record, monitor, and ensure all the key performance indicators (KPI) are closely monitored every month. As per the annual operating plan (AOP) the targets are set for all KPIs based on the baseline values of the previous year and responsibility and accountability are entrusted to the all the concerned stakeholders. In the second week of every month, all the KPIs are reviewed for their progress and actionable points are recorded to pursue with. Following are the indicative parameters contributing to KPIs. Academic performance, Students training, Placements, Research publications, Faculty training programs, Funded projects, Value added courses, Students Faculty achievements, Seminars and Conferences conducted, Faculty and student participation outside and Outreach programs.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	01	Civil Engineering	20/07/2019
BTech	02	Electrical and Electronics Engineering	29/06/2019
BTech	03	Mechanical Engineering	29/06/2019

BTech	04	Electronics and Communication Engineering	15/02/2020
BTech	05	Computer Science and Enmgeering	29/06/2019
BTech	08	Chemical Engineering	29/06/2019
BTech	12	Information Tevhnology	06/07/2019
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	All branches	18/07/2019	Communicative English	18/06/2019
BTech	All branches	18/06/2019	Language Elective	18/06/2019
BTech	All branches	18/06/2019	Employability Skills I	18/06/2019
BTech	All branches	18/06/2019	CC&EC Activities I	18/06/2019
BTech	All branches	18/06/2019	Summer Internship	18/06/2019
BTech	All branches	18/06/2019	Project Work	18/06/2019
BTech	All branches	18/06/2019	Full Semester Internship	18/06/2019
BTech	All branches	18/06/2019	Problem Solving and Programming Skills	18/06/2019
BTech	All branches	18/06/2019	Engineering Economics & Project Management	18/06/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Civil Engineering	18/06/2019
BTech	Computer Science and Engineering	18/06/2019
BTech	Information Technology	18/06/2019
BTech	Chemical Engineering	18/06/2019
BTech	Electrical & Electronics Engineering	18/06/2019

BTech	All branches	18/06/2019
BTech	Mechanical Engineering	18/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	18/06/2019
BTech	Electrical & Electronics Engineering	18/06/2019
BTech	Chemical Engineering	18/06/2019
BTech	Information Technology	18/06/2019
BTech	Computer Science and Engineering	18/06/2019
BTech	Mechanical Engineering	18/06/2019
BTech	Electronics & Communication Engineering	18/06/2019
Mtech	Transportation Engineering	18/06/2019
Mtech	Power & Industrial Drives	18/06/2019
Mtech	Thermal Engineering	18/06/2019
Mtech	VLSI and Embedded Systems	18/06/2019
Mtech	Environmental Engineering	18/06/2019
Mtech	Computer Science in Cyber Security	18/06/2019

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
Foundations of Artificial Intelligence and Machine Learning	08/01/2020	109
Big Data Analytics Foundation	07/01/2020	72
Foundation of IOT	20/07/2019	162
Introduction to Programming in C	20/07/2019	119
Data Science for Engineers	20/07/2019	23
Programming, Data Structures And Algorithms Using Python	20/07/2019	51
3D Experience	18/08/2019	116

Product Life Cycle Assessment (PLA)	19/12/2019	19
Advanced Robotic Control 2.0	26/11/2019	19
Interfacing and Programming of Arduino	12/12/2019	27
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Chemical Engineering	77
BTech	Civil Engineering	370
BTech	Electronics & Communication Engineering	576
BTech	Electrical and Electronics Engineering	376
BTech	Computer Science and Engineering	521
BTech	Information Technology	158
BTech	Mechanical engineering	404
View File		

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>Keeping in mind the short and long term goals of the institution, in a very scientific way the vision and mission statements have been evolved contributing to the local, national, regional and global developmental needs. As per the vision statement, "To be among the most preferred institutions" for engineering and technological institutions in the country, the institution aims at producing engineering graduates with professional ethics, work culture integrated with research and innovation contributing to the national and global development. For effective realization of the vision, mitigating the challenges related to society and industry, the following mission statements have been made for the short term goals.</p> <ul style="list-style-type: none"> • To turnout disciplined and competent engineers with sound work and life ethics • To implement outcome based education in an IT-enabled environment • To encourage all-round rigor and instill a spirit of enquiry and critical thinking among students, faculty and staff • To develop teaching, research and consulting environment in collaboration with industry and other institutions <p>With the above spirit, the curriculum development and other institute activities are planned with the structured feedback mechanism</p>

by taking necessary feedback from all the stakeholders (students, teachers, employers, alumni and parents) addressing to the needs of the local, national, regional, and global developments. The feedback mechanism is deployed twice in a year to capture the voice of the stakeholders as discussed above to deliberate the subsequent Boards of Studies and Academic Council. Accordingly the changes have been made in the curriculum time to time following the norms of UGC to make the graduates industry ready and adequate care has been taken to ensure the curriculum development and revision has been done complying with POs defined by the national accreditation body. Further, aligning with the POs, the Course Outcomes (COs) are written by giving due weightage to the collated feedback from the stakeholders leading to the development of course objectives and content. In order to skill the students and make them globally accepted, appropriate components are included in the curricula in line with the holistic development of the students. The curriculum facilitates the faculties and students towards community engagement addressing local/regional community issues pertaining to the agricultural and industrial needs.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	VLSI & Embedded systems design	18	4	4
BTech	Transportation Engineering	18	9	9
BTech	Thermal Engineering	18	5	5
BTech	Information Technology	120	128	128
BTech	Chemical Engineering	30	18	18
BTech	Computer Science Engineering	180	193	193
BTech	Electronics & Communication Engineering	180	193	193
BTech	Mechanical Engineering	180	166	166
BTech	Electrical & Electronics Engineering	120	108	108
BTech	Civili Engineering	120	106	106

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	912	21	196	18	234

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
234	234	2	67	3	21509
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)

1. Mentoring system is in place for students and 15-20 students are assigned to each faculty to support and guide the students for holistic development. 2. The mentees are counseled 3 to 4 times in a semester and special attention is paid on a mentee if required. 3. Academic progress of the students is continuously monitored before and after every examination and the slow learners are supported with extra inputs. 4. The issues are escalated based on the seriousness of the problem and also ensures proper support to resolve the issues 5. Eight regular counseling sessions are taken by Professional Psychologist. 125 students are mentored by Professional Psychologist.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3608	234	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
262	234	28	25	8

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr.CLVRSV Prasad	Principal	Member GMR Skill Council
2019	Dr.MV Nageswara Rao	Professor	BOS member, MVGR college of engineering, Vizianagaram
2019	Dr. P. Bharani Chandra Kumar	Professor	Member , Governing Council, GMRIIT

2019	Dr. J.Raja Murugadoss	Vice Principal	Member Secretary, Academic Council
2020	Dr.T.Prabhakar	Associate Professor	Outstanding Scientist Award from International Journal for Innovative Engineering and Management Research (IJIEMR)-Elsevier SSRN (Social Science Research Network)
2019	Dr. Sasanko Sekhar Gantayat	Professor	Session Chair, 6th International Conference on Information System Design and Intelligent Applications (INDIA-2019), Lendi Institute of Engineering and Technology, Visakhapatnam, India, 1st-2nd November 2019.
2020	Dr Deepshikha Datta	Assistant Professor	Invited speaker for the "8 Days - 4weeks Workshop on Bridging the gap between the Chemical Industrial Process Challenges and Chemical Engineering Curriculum" organised by NIT, Durgapur from 17th July - 8th August, 2020 every Friday and Saturday from
2019	Dr.T.Prabhakar	Associate Professor	Elevated from Member to Senior Member in IEEE.
2019	Dr Deepshikha Datta	Assistant Professor	Best Paper Award in the 9th International Conference on Sustainable Waste Management towards Circular Economy (IconSWM-CE 2019) in Kalinga Institute of Industrial

			Technology (KIIT), Bhubaneswar during November 27-30, 2019.
2019	Dr. V. Kannan	Professor	Member , Governing Council, GMRIT
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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
BTech	01	1	10/01/2020	25/01/2020
BTech	01	3	22/11/2019	29/11/2019
BTech	01	5	23/11/2019	30/11/2019
BTech	01	7	25/11/2019	04/12/2019
BTech	01	8	22/09/2020	29/09/2020
BTech	02	1	10/01/2020	25/01/2020
BTech	02	3	22/11/2019	29/11/2019
BTech	02	5	23/11/2019	30/11/2019
BTech	02	7	25/11/2019	04/12/2019
BTech	02	8	22/09/2020	29/09/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
19	3507	0.54

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://tinyurl.com/y47rreg9>

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
01	BTech	Civil Engineering	117	115	98.29
02	BTech	Electrical &	124	121	97.58

		Electronics Engineering			
3	BTech	Mechanical Engineering	130	127	97.63
4	BTech	Electronics & Communication Engineering	193	189	97.93
5	BTech	Computer Science Engineering	180	178	98.89
8	BTech	Chemical Engineering	31	31	100
12	BTech	Information Technology	59	57	96.61
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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://tinyurl.com/yywbdsno>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Mr. U Sudhakar
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	NIL	NIL	Nil	NIL
International	NIL	NIL	Nil	NIL
View File				

3.2 – Resource Mobilization for Research

3.2.1 – 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	1095	DST	159.54	97.3
Major Projects	1095	AICTE	15	12
View File				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.0512

3.3 – Innovation Ecosystem

3.3.1 – 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
Key issues Challenges for Inland Water Transportation Network In India	Civil Engineering	12/09/2019
Sensitization Program on Amazon Web Services	Electrical and Electronics Engineering	13/12/2019
Seminar on Sustainable Waste Water Management: Challenges and Way Forward	Electrical and Electronics Engineering	24/01/2020
Workshop on Digital Marketing	Computer Science Engineering	26/08/2019
Workshop on Applied AI ,Machine Learning and Deep Learning	Computer Science Engineering	23/12/2019
Workshop On Lora For Smart Cities	Electronics and Communication Engineering	31/01/2020
Seminar on LABVIEW And Its Industrial Applicaions	Electronics and Communication Engineering	20/07/2019
Workshop on Interfacing and Programming of Arduino	Electronics and Communication Engineering	16/12/2019
Research Methodology Orientation program	Mechanical Engineering	03/08/2019
STTP on 3D Experience	Mechanical Engineering.	10/12/2019
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3.3.2 – 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
Students Kart Design Challenge - Season-III	Rao Nithin Latharao, Losu Hari Priya, Maddula Mohith Gupta, Muddapu	Society of Mechanical and Automotive Engineers	09/08/2019	PROJECT EXPO

	Sanath Kumar, Padala Jayakranth Reddy, Vidya Sri, Geetha Madhuri, Peddi Teja Naga Vardhan, Potti Yaswanth, Sawanth Sohesh, Shravan Raja Simha N, Urlam Hemanth Kumar, Valisetty Venkata Jaya Srav			
Develop an application like a UBER	P Aupheesu	Virtusa, Bangalore	27/11/2019	Coding
Smart Industries	A Sunil Kumar, P Lokesh, N Vikram, P Prasanth	MVGR College of Engineering	22/02/2020	PROJECT EXPO
Solar Pannel cooling system	J.VISHNU TEJA, G.DILIP KUMAR	Usha Rama college of Engg Tech, Teleprolu	03/01/2020	PROJECT EXPO
Dual Axis solar Tracking system	E.VENKATA SOUMIKA, N.SAI KEERTHANA, CH.ADITYA, J.CHANDANA, J.AKHILA	S.R.K.R.Engineering College, Bhimavaram	20/12/2020	PROJECT EXPO
Codeathon	A.Sai Pavan, P.Bhargav, UMMALETI VENKATA AKHIL, S.Lakshmi Umesh	GMRIT, Rajam	01/02/2020	PROJECT EXPO
Anti Vehicular theft and tracking	RV.Sasank	GMRIT, Rajam	31/01/2020	PROJECT EXPO
Line follower Robot	S.Vandana	Raghu Engineering college, Vizianagar am	06/01/2020	Robo design
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
View File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	3
Information Technology	1
Mechanical Engineering	4
Electronics Communication Engineering	3
Electrical and Electronics Engineering	3
Civil Engineering	2
Basic Sciences Humanities	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	46	1.64
International	Electrical and Electronics Engineering	61	2.38
International	Basic Sciences Humanities	44	2.03
International	Electronics Communication Engineering	89	6.1
International	Computer Science Engineering	36	2.29
International	Chemical Engineering	10	2.99
International	Civil Engineering	28	1.39
International	Power Engineering	4	0
International	Information Technology	9	0

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Chemical Engineering	18
Electrical and Electronics Engineering	12
Electronics Communication Engineering	4
Mechanical Engineering	10
Information Technology	7
Computer Science Engineering	6
Civil Engineering	6

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Light estimator based forgery control unit for image	Published	202041007012	19/02/2020
Human Touch Sensor Based Home Theft Tampering System	Published	202041009389	31/03/2020
Smart Manufacturing using Industrial IOT in 5G Environment Applicants, Application No. 201941047518, Patent office Journal Number 49/2019, page number: 57309	Published	201941047518 A	12/06/2019
Imc-charger: intelligent mobile phone protective case with solar charger thin battery	Published	201921016540	17/05/2019
IWS Device: Intelligent Woman Safety Device using AI Programming, Deep Learning, Patent office Journal Number: 1/2020, page number: 223	Published	201941053834 A	01/03/2020
Self Rechargeable Drone, Patent office Journal Number 49/2019, page number: 57329	Published	201941048019 A	12/06/2019
An Intelligent Monitoring Device for Elevators, Patent office Journal Number: 1/2020, page number: 155	Published	201941052209 A	01/03/2020
Intelligent City, Patent office Journal Number: 5/2020, page number: 6051	Published	202041002527 A	31/01/2020

Process of Computing Multi Conductor Parasitic Capacitance for MSI, VLSI, ULSI Circuits, Patent office Journal Number: 12/2020, page number: 14806	Published	202041010380 A	20/03/2020
ITV-Self-Balancing Vehicle: In Intelligent Self Balancing Two Wheel Vehicle, Patent Office Journal No. 20/2020, page number: 18826	Published	202041014768 A	15/05/2020
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3.4.5 – 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
Removal of calcium (Ca ²⁺) ion from aqueous solution by chemically activated thuja occidentalis leaves carbon (calc)-application for softening the ground water samples	V.Dhille swara Rao, M.V.Subbarao, M.P.S. Murali Krishna	Physical Chemistry Research	2020	13	GMR Institute of Technology	1
Structural and other applications of steel fiber reinforced concrete - A review	Sree Sandhya. K, Rajamurugadoss. J, Ganesh Prabhu. G	International Journal of Scientific Technology Research	2019	17	GMR Institute of Technology	Nil
Multi-keyword	Veerraju Gampala,	International	2019	25	GMR Institute	Nil

synonym search over encrypted cloud data using classified category-dictionary and BMIS tree	Sreelatha Malempati	Journal of Technology Intelligence and Planning			of Technology	
Utilization of carbon black waste for subgrades in flexible pavements	S.Naveenkumar, A. VijayaKumar, P. Abhinaya Sai Teja Reddy	International Journal of Scientific Technology Research	2020	63	GMR Institute of Technology	Nil
Performance of concrete with waste granite powder	G.Kalyani and A. Lakshmi	International Journal of Civil Engineering and Technology	2019	7	GMR Institute of Technology	Nil
Graph based indexing techniques for big data analytics: A systematic survey	Thirupathy Kesavan V, D Santosh kumar	International Journal of Recent Technology and Engineering	2019	4	GMR Institute of Technology	Nil
Optimal tuning of pi controllers for dfig-based wind energy system using self-adaptive differential evolution algorithm	Alluri Hemanth Kumar Raju, Ayyarao SLV Tummala, P. V. Ramanarao, and PVN Mohan Krishna	International Journal on Electrical Engineering and Informatics	2019	4	GMR Institute of Technology	Nil
Island detection methods and grid current	M.Vinay Kumar and U Salma	International Journal of Ambient Energy	2019	4	GMR Institute of Technology	Nil

control methods in SPV based energy systems						
Performance evaluation of bituminous paving mixes containing sisal fiber as an additive	Debashish Kar, Jyoti Prakash Giri, Mahabir Panda	Transportation Infrastructure Geotechnology	2019	3	GMR Institute of Technology	1
Optimal power flow of integrated renewable energy system using a thyristor controlled series compensator and a grey-wolf algorithm	M. Rambabu, G.V.Nagesh Kumar and S. Sivanagaraju	Energies	2019	3	GMR Institute of Technology	Nil
View File						

3.4.6 – 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
Fuzzy AHP, RS GIS based hybrid approach for airport site selection-Kothagudem district	Penki Ramu, Srinivasarao T, Lalith Nandan K, Keshav M	International Journal of Advanced Science and Technology	2019	43	Nil	GMR Institute of Technology
Wlan band rejected uwb antenna with recta	Sudhakar, M. Sunil Prakash, and M. Satyanarayana	International Journal of Scientific Technology Research	2019	65	Nil	GMR Institute of Technology

ngular and star DGS						
Performance of concrete with waste granite powder	G.Kalyani and A. Lakshmi	International Journal of Civil Engineering and Technology	2019	69	Nil	GMR Institute of Technology
Influence of mode of power source on the mechanical properties of vibratory weld joints	M.Vykunta Rao, P Devi Prasad, Bade Venkata Suresh	International Journal of Innovative Technology and Exploring Engineering	2019	70	Nil	GMR Institute of Technology
Analysis of papr in pts-ofdm and modified ufmc using firefly algorithms	K Krishna kishore, P Rajesh kumar	International Journal of Advanced Science and Technology	2020	82	Nil	GMR Institute of Technology
Dry sliding wear behaviour of hybrid aluminum based nano composites	Manivannan, I., S. Ranganathan, and S. Gopalakannan	Materials Research Express	2019	102	Nil	GMR Institute of Technology
Analysis of alzheimer condition in T1-weighted MR images using texture features and SVM classifier	Telagarapu Prabhakar, Annapantula Sudhakar, KR Anandh	International Journal of Psychosocial Rehabilitation, Hampstead Psychological Associates	2020	116	Nil	GMR Institute of Technology
Multi-criteria decision making for solar panel selection	Gnanasekaran Sasikumar, A.Sivasangari	Journal of The Institution of Engineers (India): Series C	2020	116	1	GMR Institute of Technology

using fuzzy analytical hierarchy process and technique for order preference by similarity to ideal solution (TOPSIS): An empirical study						
Analysis and simulation of bio-inspired intelligent salp swarm mppt method for the PV systems under partial shaded conditions	M. Premkumar, A. Mohamed Ibrahim, R. Mohan Kumar and R. Sowmya	International Journal of Computing and Digital Systems	2019	119	1	GMR Institute of Technology
Removal of calcium (Ca ²⁺) ion from aqueous solution by chemically activated thuja occidentalis leaves carbon (catlc)-application for softening the ground water samples	V.Dhille swara Rao, M.V.Subbarao, M.P.S. Murali Krishna	Physical Chemistry Research	2020	132	1	GMR Institute of Technology
View File						

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

Number of Faculty	International	National	State	Local
Attended/Semi	Nil	128	79	21

nars/Workshops				
Presented papers	1	69	Nil	Nil
Resource persons	Nil	2	1	3
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr.V.Jagan Naveen	Conduct of Examinations	TCS-ION	419573
Dr. G. Ganeshprabhu	Concrete Mix Design for Structural Application	Arrow Construction, APTIDCO, Bhoqli, APTIDCO, VZM	13000
Dr.V.Jagan Naveen	Conduct of Examinations	TCS-ION	12932
Dr. A Vijayakumar	Concrete Mix Design for Structural Application	APTIDCO, Vijayanagaram, AEE,PIU Sub Division, Parvathypuram	12300
Mr. K. Nagarajesh	Concrete Mix Design for Structural Application	APTIDCO, Vijayanagaram, AEE,PIU Sub Division, Parvathypuram	12200
Dr.V.Jagan Naveen	Conduct of Examinations	TCS-ION	11894
Dr. Venketeswar Rao	Concrete Mix Design for Structural Application	AEE,PIU Sub Division, Parvathypuram, Railway, and Heritage, VZM and Bobbili	11600
Dr Jyoti Prakash	Material Testing	APTIDCO, SKLM, AEE,PIU Sub Division, Parvathypuram	11300
Mr.S. Naveen Kumar	Bitumen design of Pavement application	APTIDCO, SKLM, APTIDCO, Salur	10700
Mr. Bimalendu Das	Concrete Mix Design for Structural Application	AEE,PIU Sub Division, Parvathypuram, Winner Construction, Parry sugars, Sankili	900

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mechanical Engineering	Autonomous Vehicle Technology work shop-STEPSTONE 2020	MVGR Vizianagaram	500	13
Civil Engineering	Key issues Challenges for Inland Water Transportation Network In India	VNRV College of Engineering, GITAM UNIVERSITY	11500	23

[View File](#)

3.6 – Extension Activities

3.6.1 – 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
Awareness programme on how to protect Ozone layer	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	2	100
Awareness programme on Waste Management	NSS UNIT/GMRVF	3	50
Distribution of Econ Friendly Ganesh Idols	NSS UNIT/GMRVF	10	50
Teachers day Celebrations, collecting feedback in local Schools and Colleges	CRS/GMRIT	15	15
Independance day Celebrations and live show	CRS/GMRIT	40	15
Plantation programme	NSS UNIT/GMRVF	10	150
Donated food on the occasion of Friendship day	GAMYAM in association with CSW-GMRVF	2	18
Donated cloths during Joy of giving week	GAMYAM in association with CSW-GMRVF	2	18
Awareness programme on Organ Donation	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	3	100

Vanam - Manam Programme	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	20	200
View File			

3.6.2 – 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
All India Essay writing	Merit Award	Shri ramachandra Mission and United Nations information center and Heartfulness Education trust	6
NSS activity	Best NSS officer award	JNTU, Kakinada	150
Awareness on Health and Education	Award of appreciation	Major Gram Panchayat, Rajam	150
Blood Donation Camp	Award of appreciation	Indian Red Cross Society, Srikakulam District Branch	201
View File			

3.6.3 – 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
Swachh Bharat Mission	NSS UNIT/GMRVF	Plastic Free Rajam Campaign	10	100
Swachh Bharat Mission	NSS UNIT/GMRVF	Swachhta Hi Seva - Plastic waste free campaign	10	100
Environmental Protection	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	Awareness programme on how to protect Ozone layer	2	100
Swachh Bharat Mission	NSS UNIT/GMRVF	Plastic Free Rajam Campaign	10	100
Awareness on Health	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	Awareness programme on Organ Donation	3	100
Swachh Bharat Mission	NSS UNIT/GMRVF	Launching of PLASTIC FREE RAJAM	20	150
Environmental	NSS	Plantation	10	150

Protection	UNIT/GMRVF	programme		
National Integrity	NSS UNIT/Department of Physical Education, GMRIT	2K Run for Unity	5	200
Environmental Protection	NSS UNIT/Indian Red Cross Society, Srikakulam Branch	Vanam – Manam Programme	20	200
Public Health	NSS UNIT/IRCS, Srikakulam	Blood Donation Camp	10	300

[View File](#)

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Publication	A.Rambabu	GMRIT	90
Publication	G. Ganesh Prabhu & J. Rajamurugadoss	GMRIT	180
Publication	Y.Aditya	GMRIT	90
Publication	P.Sumati Kumari	GMRIT	120
Publication	M.P.Srinvasa Rao	GMRIT	120
Publication	R.L.Naidu	GMRIT	90
Publication	K.Karthick	GMRIT	180
Publication	RK Patnaik, SP Mishra	GMRIT	180
Publication	R Arun Sekar	GMRIT	360
Publication	T.Prabhakar	GMRIT	360

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3.7.2 – 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
Student FSI	Institute-Industry Engagement	Steel Plant , Visa khapatnam, Mr. J. Prabhakar Rao, Manager (Trg.), 8330930635,	12/02/2019	21/03/2020	35

		Visakhapatna m,530031			
Student FSI	Institute- Industry Engagement	Topnotch softwares Pvt.Ltd. Mr. Nageshwar The Manager - Operations Anjaiah Nagar, Gachibowli, Hyderabad, Telanga	16/12/2019	12/04/2020	31
Faculty internship	Institute- Industry Engagement	Vijaya Nirman Company Pvt Ltd, Visakha patnam, Lansum Oxygen Towers, Seet hammadhara, Visakhapatna m -530003, d eepak.pa@vij aynirman.com	22/05/2019	04/06/2019	1
Faculty internship	Institute- Industry Engagement	Nandha Inf otech,No.89/ 99, NGN Street, Gandhipuram Coimbatore- 641044	22/05/2019	04/06/2019	1
Faculty internship	Institute- Industry Engagement	IITHT- Dwaraka Naga r,Visakhapat nam, Andhra Pradesh	23/05/2019	07/06/2019	1
Student FSI	Institute- Industry Engagement	TOPNOTCH SOFTWARE SOLUTIONS Mr. Durga.B The Manager - Operations Topnotch Softwares Pvt., Ltd., Visakhapatna m Mail.ID:	16/12/2019	12/04/2020	27
Student Training	Institute- Industry Engagement	Indo-Euro Synchronizat ion, Aachen University and APSSDC	26/11/2019	31/12/2019	19
Student	Institute-	Viswanadha	08/07/2019	01/11/2019	15

FSI	Industry Engagement	Avenues, Visakhapatnam, Mr. Narendra Kumar, The Director, 9000 299939, directorvaipi@gmail.com, Pent House, Chandrodaya Towers, Near Keystone			
Student FSI	Institute-Industry Engagement	OHAMMAD KHAIRUL ANAM BIN CHE MAT Student Mobility Office, Centre for Student Development (CSD) UNIVERSITI TEKNOLOGI PETRONAS 32610 Bandar Seri Iskandar, Perak, MALAYSIA kha irulanam.che mat@utp.edu. my	01/12/2019	03/04/2020	5
Student FSI	International collaboration	Indo-Euro Synchronization, Aachen University and APSSDC	26/11/2019	31/12/2019	19
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
National Formosa University, Taiwan	01/03/2020	Internship programs, professional language teaching and cultural exchange programs.	5
Amazon web services	05/07/2019	Training programs to faculty and students.	3

Asia university, Taiwan	11/11/2019	To conduct Staff development programs, and joint research programms	5
Luca Industries International	28/08/2019	To establish a centre of Excellence specialized in the field of Lightweight Cocncrete and Aerated Conceete	190
Intellige web technologies,	16/12/2019	Student FSI	4
RICHTREE Consultancy Services Pvt. Ltd	20/01/2019	Student FSI	5
My Company, Visakh apatnam,	24/12/2019	Student FSI	3
Pena4tech	16/12/2019	Student FSI	5
ZENITH ENGINEERS CONSULTING SERVICES	20/12/2019	Student FSI	5
Signer Tech, Hyderabad,	23/12/2019	Student FSI	3
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
432.57	113.14

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
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Libsys	Fully	7	2005
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	48351	11245704	859	247601	49210
Reference Books	11728	3127230	801	329413	12529	3456643
e-Books	Nill	Nill	9280	354182	9280	354182
Journals	Nill	Nill	88	276865	88	276865
e-Journals	Nill	Nill	965	1919719	965	1919719
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.Sasanko Sekhar Gantayat	Digital Logic Design	LMS	15/06/2019
V.Srinadh	Design and Analysis of Algorithms	LMS	15/06/2019
K.Lakshmana Rao	Security Analyst (Ele-3)	LMS	15/11/2019
Dr Sreerama Murthy Velaga	Object Oriented Programming Through JAVA	LMS	15/11/2019
Dr.VSSR Gupta	Probability and Statistics	LMS	15/11/2019
Aditya Kumar Sahu	Database Management Systems	LMS	15/11/2019
Dr R Priya Vaijyanthi	Information Security	LMS	15/06/2019
Dr. D. Ravikumar	Digital Logic Design	LMS	15/06/2019
T.Prabhakar	Signals and Systems	LMS	15/06/2019
Dr.M.V.Nageswara Rao	Digital Electronics	LMS	15/06/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1361	1170	30	18	120	14	9	379	0
Added	0	0	0	0	0	0	0	525	0
Total	1361	1170	30	18	120	14	9	904	0

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

904 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
Video Recording Room	https://tinyurl.com/yy97jfbq

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
90	89.39	100	96.21

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)

Maintenance of Physical facilities: A well-organized team is in place at Estate office (EO) to maintain all physical facilities. Estate department having the expertise in all the trades shall carry out periodic and preventive maintenance of the respective infrastructural facilities across the campus. During the summer and semester break, all the major maintenance works that are notified by the respective departments will be taken up and executed by the EO to ensure seamless academic operations. EO maintains an e-portal to report all the maintenance works indented by the departments as per the SOP. The maintenance of all the general amenities like drinking water, UPS, Roads Street lights, Washrooms, Food courts Canteen is undertaken by the EO from time to time. The campus has power backup supported by 1MW solar power plant and 1000KVA DG sets. All the crucial equipment across the campus after completing the warranty period as an initiative of the preventive maintenance are put under AMC. Further, calibration of the equipment used for the consultancy works in the respective departments is done periodically to ensure the compliance with certification. To ensure the protection of computing systems across the campus, all the laboratories are supported with UPSs with capacity of 250KW spread out across all the laboratories. Maintenance of the housekeeping and horticulture across the campus is taken up through an outsourcing agency. The day to day library operations are automated using Libsys-7. Yearly maintenance of the books is ensured by proper pest control periodically. Library has a policy to issue and returns of the books for students and faculty. The sports complex, Gym, and all other play rounds are seasonally maintained facilitating uninterrupted facilities for the conduct of sports and games. IT- Help Desk Support team takes care of service and maintenance of all the computers,

LAN/Wi- Fi connectivity, Wi-Fi modules, Servers etc. on the campus. Firmware upgradation for network equipment like access points, switches are carried out on need basis. Utilization of Physical facilities: All the academic facilities are made available for the effective utilization of students and staff. The campus being residential, laboratory and theory class schedules are done in an optimistic way to ensure the resources are used effectively 24x7. The different laboratory courses are provided to the students in a staggered manner for maximum utilization of the laboratory hours. The common computing facilities in the departments are provided with a schedule for occupancy ensuring effective utilization of the students from all the years. Library operations are extended from 9AM - 5PM to 7AM-11PM for effective utilization and facilitating the students operating as day scholars. A separate logbook is maintained in each laboratory for ensuring the above systems. On holidays, the computer laboratory support is provided for the community training purpose as a part of the outreach program. For effective utilization of the Gym and sports facilities, different time slots are allocated for both boys and girls starting from 5AM to 8AM and 3PM to 8PM.

<https://tinyurl.com/y6hukhax>

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	EAMCET Rank based merit Scholarship Academic Performance Merit Scholarship	396	10021135
Financial Support from Other Sources			
a) National	Andhra Pradesh Government (Tuition Fee Reimbursement Scheme)	1836	163591250
b) International	NA	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 implementation	Number of students enrolled	Agencies involved
Programme on Self-Discipline	26/07/2019	248	Vivekananda Institute of Human Excellence, Hyderabad
Programme on Superb 37.5	06/09/2019	158	Vivekananda Institute of Human Excellence, Hyderabad
Programme on Growth Handling	23/12/2019	344	Vivekananda Institute of Human Excellence, Hyderabad

Yoga Training Class	20/08/2019	120	Dr. Bh. Arun Kumar, Physical Director Yogar Trainer, GMRIT
Campus Recruitment Training-V (Related to TCS Ninja)	15/07/2019	647	Six Phase
Campus Recruitment Training Phase - IV (Related to Coding)	24/06/2019	374	Six Phase
Campus Recruitment Training Phase - III (Related to Aptitude)	03/06/2019	883	Six Phase
Campus Recruitment Training Phase - II (Related to Coding)	01/04/2019	374	Six Phase
Campus Recruitment Training Phase - I (Related to Aptitude/Verbal Ability/Reasoning and Coding)	03/11/2019	374	Six Phase

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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
2020	Career Development Center	97	1827	26	481

[View File](#)

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus	Off campus
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Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
HCL Technologies	269	71	TCS Ninja	646	112
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	5	B.Tech	Chemical Engineering	Andhra University	M.Tech
2020	1	B.Tech	Civil Engineering	Andhra University, Visakhapatnam	M.E
2020	1	B.Tech	Computer Science and Engineering	Melbourne Institute of Technology	MS
2020	1	B.Tech	Computer Science and Engineering	Glasgow	MS
2020	1	B.Tech	Computer Science and Engineering	Edinburgh Napier University	MS
2020	1	B.Tech	Mechanical Engineering	RWTH Aachen University, Germany	M.Sc.
2020	1	B.Tech	Mechanical Engineering	Suny Buffalo University, New York, USA	MS
2020	1	B.Tech	Electrical and Electronics Engineering	James Cook University	MS
2020	1	B.Tech	Electrical and Electronics Engineering	Bond University, Australia	MS
2020	2	B.Tech	Chemical Engineering	University of Calgary, Canada	MS
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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
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GATE	25
Any Other	1
View File	

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

Activity	Level	Number of Participants
New year matches (basketball, cricket, volley ball, football, kho kho, shuttle) only hostelers	Institute Level	498
Sports day (basketball, cricket, volley ball, football, kho kho, shuttle, chess, carroms, table tennis, athletics, throw ball tenny koit, kabaddi, body building power lifting, throw ball) boys girls	Institute Level	1554
Annual day games and sports celebrations staff (badminton doubles, carrom doubles, table tennis singles, volley ball, cricket, chess)	Institute Level	208
Think Smart and be smart- Mech	Institute Level	18
Xpress Exterior Design- Civil Engineering	Institute Level	39
Open MIC - ECE	Institute Level	23
Set Up hit the floor - Dance Club	Institute Level	20
ROBO Foot Boll Competition - Robotic Club	Institute Level	20
Quiz on Constitution of India - ECE	Institute Level	100
STEPSTONE 2020	STEPSTONE 2020 National Level	1035
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Gold Medal	National	1	Nil	19341A0208	A.Vishnu Vardhan

2020	Gold Medal	National	1	Nil	19341A0376	K.S.J.Su bhas
2020	Gold Medal	National	2	Nil	16341A0362	K.Srinivas
2020	Silver Medal	National	1	Nil	19341A1239	G.Kousalya
2020	Silver Medal	National	1	Nil	19341A0244	K.Sravani
2020	Silver Medal	National	1	Nil	19341A0237	K.L.Pras anthi
2020	Gold Medal	National	1	Nil	19341A0138	J.Teena
2020	Gold Medal	National	1	Nil	19341A0136	S Jahnvi
2020	Gold Medal	National	1	Nil	17341A0146	K.Gayatri
2020	Gold Medal	National	1	Nil	16341A0362	K.Srinivas

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

The institute has well defined mechanism in-place to formulate student's group/council and to make them involve in various academic and administrative activities. The committees are formulated to receive their inputs and consider for achieving a better academic ecosystem. The following committee are in place and it represents students across all years of study for the above said purpose. • Academic Monitoring Committee • Placement committee • Professional Bodies (Students Chapters) • Entrepreneur Development Cell (EDC) • Anti-Ragging Committee • Women empowerment cell • Food Committee for Hostels Academic Monitoring Committee (ACM) The class committee meeting is organized at the department level with the head of the department seeking suggestions to improve the overall academic performance in the department. The suggestion includes the effectiveness of classroom delivery, effectiveness of the teaching methodology, availability of adequate learning resources and so on. Placement Committee Career Development Center (CDC) takes care of organizing Internships, Guest lectures, Placement training, and Campus recruitments. In all these activities, students are involved and actively participate in organizing successfully. Professional Bodies (Students Chapters) GMRIT has institutional membership with various professional bodies like IE, IETE, CSI, ISTE etc. Apart from this all the respective departments have the students' chapters affiliated with the professional bodies' viz. ACM, IICHE, IGBC, and SAE to conduct various technical events and to bring exposure to the students the professional practices. All the departments have an annual calendar of the professional body events that are being organized regularly. Entrepreneur Development Cell (EDC) EDC is in operation conducting various activities since 2006 funded by AICTE. EDC regularly conducts activities related to entrepreneurship training and motivational classes by inviting the various successful entrepreneurs and GMRIT alumni. Anti-Ragging Committee To ensure any sort of unpleasant activity, anti-ragging committee is formulated as per the guidelines of UGC and AICTE. The composition includes student members across all the years in the campus in addition to the other members to monitor and maintain discipline among the students. Further, based on the need the review meetings are convened to discuss and resolve the issues if any. Women Empowerment Cell (WEC) By the

admission regulations, 30 of the students on campus are girl students. To promote and nurture the leadership qualities and to enable their growth as individuals and to exercise their rights the institution is having a well-established women empowerment cell. The women empowerment cell conducts several motivational and inspirational talks by inviting the successful women in the society. Food Committee for Hostels The institution runs a well-maintained hostel for both girls and boys with a capacity of 1600. To encourage participative management and to ensure the supply of hygienic food as per the decided menu catering to the needs of the students, from various regions, students are involved in the food committees apart from the other members of the hostel administration.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

299

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

6th October, 2019 at GMRIT, Rajam (18th Alumni Meet)

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)

Practice #1: Promotion of Research Eco-System: It is strongly believed that Research and Academics have to go hand-in-hand for the development of the institution. In a way to realize the vision apart from maintaining the academic quality and standards, faculty research capacity development is given utmost priority and is overseen by the Dean RD/Research Coordinator by having regular reviews. The Research Coordinator periodically does reviews and conducts mentoring sessions by experts to nurture the research attitude among the faculty members. The research coordinator ensures that all the faculty members have a self-set mandate for building the research profile in terms of paper publications leading to the formulation submission of research proposals and completion of Ph. D in a stipulated time. This entire procedure of accomplishing the research credentials of the faculty members is self-driven as they were given equal importance and weightage in the annual performance appraisal. This gives a clear scenario of academic governance and RD department working parallel with decentralization in line with the institutional interest.

Practice #2: Student Centric Approach for Professional Development: The mission of Student Activity Center (SAC) is to involve students through various events to nurture leadership qualities and the professional competency through participation and inclusive learning. The SAC strives to create a student-centric environment that supports the achievement of academic, professional and personal goals while promoting civility, respect, integrity and equity. With the unity of purpose, SAC ensures that activities are conducted across all the student clubs and student professional student chapters by giving an annual calendar. All the student clubs have a common organization structure for the systematic functioning. Further, all the activities are grouped into three

categories viz. Professional Bodies, Extension Activities and Student Clubs. The various professional bodies and associated student chapters include ISTE, CSI, IEI, IETE, ACM, IICChE, SAE, and IEEE Student Chapter and the activities conducted are published in the newsletters posted on the website at http://www.gmrit.org/about_newsletter.html. Apart from the student's professional body chapters and clubs, the institution has National Service Scheme (NSS), National Cadet Corps (NCC), and Swami Vivekananda Center (SVC) for Human Excellence and GMRIT Community Radio to promote social entrepreneurship by involving the students in various community outreach programs.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	1. Institutional promotional scholarships to enhance quality of the students at the entry and diversity of the students
Industry Interaction / Collaboration	1. To promote the Industry engagement through one credit and elective courses by signing MoUs 2. Strengthened the industry interaction for curriculum revision and development through feedback mechanism 3. Encourage full semester internship (FSI) and Summer internship with stipend 4. Faculty Industry internship for knowledge up gradation
Human Resource Management	1. Transparent policies and procedures are in place for welfare of the employees 2. Well-structured annual appraisal system is in place for all employees 3. Well defined internal promotion policy is in place for career advancement 4. Training programs for skill development and personality development of employees
Library, ICT and Physical Infrastructure / Instrumentation	1. To enhance the number of e-Books to support ICT 2. Financial support to the faculty members towards the purchase of laptops to promote ICT
Research and Development	1. Translation of institutional goals to the faculty individual goals with specific research mandates
Examination and Evaluation	1. Evaluation through Comprehensive Quiz giving equal weightage to the full curriculum 2. Introduction of project based assessment and open book exams
Teaching and Learning	1. Introduction of blended learning 2. Industry driven electives supporting the Career Path 3. Capacity building

	programs for faculty in line with OBE and Blended learning
Curriculum Development	1. Introduction of Open Book Examination to enhance the Higher Order thinking 2. Enhanced experiential learning by increasing the number of integrated courses 3. Introduction of comprehensive quiz to enhance the retaining capability of students for all the subjects 4. Introduction of semester away program to provide global learning through foreign universities

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

E-governance area	Details
Planning and Development	SAP
Administration	E-Z School
Finance and Accounts	SAP
Student Admission and Support	E-Z School software
Examination	BEES software

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	Mr.S.Naveen Kumar	Conference On Challenges Of Resilient Sustainald	NIL	5000
2019	Dr.M.Premkumar	FDP on ARC 2.0	NIL	11247
2019	Mr.Bimalendu Dash	Workshop on IBGC – Annual Meet 2019 (Indian Green Building Council)	NIL	11762
2019	Dr. Prasad C.L.V.R S.V	FICCI Conference	NIL	29823
2019	Dr. S.P.Mishra	International Conference on Artificial Intelligence and Data Sciences (AiDAS 2019)	NIL	39204
2019	Dr. Venkata Ramana A	Workshop on IOT at C-DAC	NIL	9098

2019	Mr.S.Naveen Kumar	Conference On Present Trend In Speed Bump	NIL	7553
2019	Mr. Venkata Rao T	Workshop on Academic Indentity	NIL	7289
2020	Mrs. N.V Lalitha	FDP on Cancer Theranostics (GIAN)	NIL	6445
2020	Mrs. Durga Kameswari S	FDP on Cancer Theranostics (GIAN)	NIL	6330
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	One day National Colloquium on Draft National Education Policy	NIL	27/05/2020	27/05/2020	100	Nil
2019	STTP on Security, Privacy and Trust Issues in Block chain Technology	NIL	21/10/2020	26/10/2020	40	Nil
2019	STTP on Aligning Curriculum Design, Development, Delivery and Assessment in the Context of OBE: Theory to Practice (Sponsored by AICTE)	NIL	23/09/2020	28/09/2020	40	Nil
2019	FDP on	NIL			28	Nil

	Advanced Programme Assessment : Theory to Practice Phase-1		06/08/2020	08/08/2020		
2019	Workshop on Python	Workshop on Python	22/06/2020	22/06/2020	6	4
2019	Sensitization program on Amazon Web Services (STTP)	NIL	13/12/2020	14/12/2020	104	Nil
2020	FDP on VLSI Technology and hardware for AI ML	NIL	25/05/2020	27/05/2020	625	Nil
2020	FDP on Research Topics in VLSI and Industry Trends	NIL	29/05/2020	31/05/2020	600	Nil
2019	FDP on Advanced Programme Assessment : Theory to Practice Phase-2	NIL	13/08/2020	16/08/2020	26	Nil
2019	FDP on Follow up Session on Advanced Programme Assessment : Theory to Practice Phase 1	NIL	18/10/2020	19/10/2020	28	Nil

[View File](#)

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
Artificial Intelligence	16	22/05/2020	26/05/2020	5

Cutting-Edge Technologies for Electrical Engineering	15	18/05/2020	22/05/2020	5
Effective Online Teaching. Learning Methods: Challenges, Preparation and Use of ICT Tools	8	18/05/2020	23/05/2020	6
Gobal Trends in Civil Infrastructural Engineering (GTCIE . 2020)	6	26/05/2020	30/05/2020	5
Hands on FDP: Data Science Using Python	6	18/05/2020	22/05/2020	5
Innovation and Research Trends in Mechanical Engineering (IRTME)	8	18/05/2020	22/05/2020	5
Machine Learning and Data Analytics using Python	6	15/04/2020	22/04/2020	7
Managing online classes and co-creating moocs2.0	15	18/05/2020	03/06/2020	17
Security, Privacy and Trust Issues in Blockchain Technology(STTP)	11	21/10/2020	26/10/2020	6
Research Challenges in Electrical Engineering [RCEE]-2020	5	18/05/2020	23/05/2020	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	24	Nil	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
PF, Gratuity, Group Medical Insurance, GPA and GTA, Tuition Fee Concession, Concession in medical support, Campus Accommodation, Cooperative Credit Society.	PF, Gratuity, Group Medical Insurance, GPA and GTA, ESI, Concession in medical support, Tuition fee Concession, Cooperative Credit Society.	Accident and Medical Insurance facility, 24x7 Medical assistance, Concession in medical support, Proctor System and Student Counselling, Coaching for higher studies and Competitive Exams.

6.4 – Financial Management and Resource Mobilization

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

The objective of the audits is to assess and evaluate the adequacy and effectiveness of the internal control systems deployed by the institute. The audit is carrying out using a sampling approach, analysis of data, review of accounting, materials management payment processes, validation of information, combined with discussions with respective process owners. Review of Recruitment of employees, Procurement Policy, Contract Bills contract Agreements, Disbursement of salaries, Documents attached to Invoices, Compliance with contracts entered, Scrutiny of Non PO based expenses, Attendance records of teachers and other staff.

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
View File		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AQA(I) International, Hyderabad	Yes	QAC
Administrative	Yes	B.V.Rao CO Chartered Accounts, Visakhapatnam	Yes	MAG Auditory, Bangalore

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

1. Involvement in anti-ragging committee and counseling to students 2. Feedback from parents for overall growth of the Institution. 3. Support to the internship placements

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

1. Training programs on Personality Development 2. Workshops for skill up-gradation 3. Motivational talks to enhance inter personal skills

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

1. Established Centers for excellence with funding from Government agencies • Established Dassault 3-D Experience Lab in association with APSSDC, Govt. of AP. • Established Siemens technical skill development center in association with APSSDC, Govt. of AP. • Established CM Skill excellence center in association with APSSDC, Govt. of AP. • Established Advanced Robotic Control Lab in association with APSSDC, Govt. of AP 2. Introduced few Foreign Language courses viz. German, French, Spanish, etc. as electives 3. Introduced mandatory industrial training for the faculty

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Fostering Higher Order Thinking under the framework of RBT and OBE	27/06/2019	29/07/2019	31/07/2019	53
2019	One day National Colloquium on Draft National Education Policy	27/06/2019	28/07/2019	28/07/2019	100
2019	Advanced Programme Assessment: Theory to Practice Phase-1	27/06/2019	06/08/2019	08/08/2019	28
2019	Curriculum Design, Development, Delivery and Assessment in the Context of OBE: Theory to Practice (Sponsored by AICTE)	27/07/2019	23/09/2019	28/09/2019	40
2019	Advanced	27/06/2019	13/08/2019	18/08/2019	26

	Programme Assessment: Theory to Practice Phase-2				
2019	Advanced Programme Assessment: Theory to Practice Phase-3	03/10/2019	17/10/2019	19/10/2019	24
2019	Advanced Programme Assessment: Theory to Practice Phase-4	03/10/2019	18/11/2019	20/11/2019	21
2019	Advanced Programme Assessment: Theory to Practice Phase-5	10/10/2019	20/10/2019	22/10/2019	28
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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
Challenges and Opportunities of Women in Corporate World	23/07/2019	23/07/2019	64	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
SOLAR PLANT DETAILS: • Capacity of Plant: 700 K.W • Daily Units Production Average: 2,420 Units • Monthly Units Production Average: 72,780 Units • Yearly Units Production Average: 8,73,342 Units • Solar Power Usage Daily 6 A.M to 6P.M: 70 percent Approx.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nil

Rest Rooms	Yes	2
Scribes for examination	Yes	Nil

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	1	1	23/07/2019	1	Vanam - Manam	Organized "Vanam - Manam" a plantation programme at our campus, GMRV DAV public school and Panasala Valasa raod and planted 100 samplings	100
2019	1	1	13/08/2019	1	Awareness programme on Organ Donation	Organized an awareness programme on Organ Donation in connection with "World Organ Donation Day"	58
2019	1	1	17/08/2019	1	Plantation Programme	Field trip to Panasalavala village in connection with B.Tech 1st year induction programme and	150

						organized Plantation programme in the village	
2019	1	1	29/08/2019	1	National Sports Day Programme	Organized 2k Run in connection with 'National Sports Day'	100
2019	1	1	30/08/2019	1	Distribution of Econ Friendly Ganesh Idols	Distribution of Econ Friendly Ganesh Idols to all the staff members to promote environmental protection	50
2019	1	1	05/09/2019	1	Awareness Programme on Waste Management	Our NSS unit conducted an awareness programme on Waste Management for our Sanitation people, Servant maids and house wives in our staff quarters	50
2019	1	1	16/09/2019	1	Awareness Programme on Ozone layer	Our NSS unit organized an awareness programme on how to protect Ozone layer in connection	100

						n with World Ozone Day	
2019	1	1	18/09/2019	3	blood group test camp	Organized a blood group test camp for 1st B.Tech students in association with Indian Red Cross Society, Srikakulam	350
2019	1	1	24/09/2019	1	NSS Day Celebrations	Organized NSS Day Celebrations	50
2019	1	1	20/10/2019	10	Launching of PLASTIC FREE RAJAM	Launched of PLASTIC FREE RAJAM, a 100 hours programme from 20/10/2019 to 02/10/2020 and Organized the 1st spell at APSRTC Complex and Rythu Bazar area	150
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Business Conduct	01/06/2019	Faculty Staff: Institute has a Handbook of Code of Business Conduct and Ethics and is intended to provide guidelines for the Professional, Ethical, Legal and Socially

Responsible behavior that the institute expects from its employees. All employees on regular rolls of the institute including employees on contract governed by this Policy. Employees are the representatives of the institute and hence are expected to demonstrate high degree of discretion and astute judgment in their dealings. The Code of Business conduct Ethics is written in the aspects of National Interest, Institute Brand, Group Social Responsibility, Sexual Harassment, Competition, Quality of Services, Equal Opportunities, Accurate and Complete Accounting, Settlement of Expenses, Protection of Intellectual property, Confidentiality and Nondisclosure, Collaboration with in GMR Companies, Falsification and Destruction of information, etc.

Students: (1) Student shall conduct himself in an exemplary manner and shall do all necessary things to uphold the prestige and reputation of GMRIT. He/she shall not involve in any strikes, demonstrations and in any other unlawful activities, both inside and outside the Campus. He/she understand any violation, on his/her part, of the disciplinary measures prescribed by the institute will attract imposition of fines, suspension and even rustication or any other punishment deemed fit by the authorities, and he/she shall abide by decision that would be taken by the

authorities.(2) He/she understand that ragging of junior students is inhuman and punishable under law. He/she promise that he/she will not involve in any form of ragging. I clearly understand that any person (may be myself) who so ever is directly or indirectly involved in RAGGING is subject to severe punishment, can be booked in a criminal case, and can be arrested. (3)He/She shall strictly abide by all the rules of the Institution.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction Program	11/06/2019	12/06/2019	31
Symphony-A team building workshop	06/07/2019	06/07/2019	26
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Every Thursday is observed as "Pollution Free Day"
- commuters are encouraged to avoid carbon emissions by walking to office or using public transport facilities.
- Bio Gas Plant
- Sewage treatment plant (STP) and compost pit
- Carbon foot print monitoring regularly
- Air Quality Assessment Station
- EWaste Management
- Institute with lavish green campus has a variety of trees, plants and lawns
- Drip Irrigation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice 1: 1. Title of the Practice Institutionalized Full Semester Internship
 2. Objectives of the Practice • Develop network with various industries to strengthen the existing industry-academia engagement • Provide a platform to the students to demonstrate or articulate their learning outcomes to solve a real world problem through experiential learning • Develop the culture of teamwork in a multidisciplinary settings in a workplace environment • Make students more employable and readiness for industries
 3. The Context While the college has a clearly laid down vision and mission, a specific focus is utmost needed to navigate the strategic plan to become one of the most preferred institution in the country and also to develop teaching, research and consulting environment in collaboration with industry and other institutions. In this context, to develop a strong network with industries and to make students more employable, this institutionalized full semester internship is introduced in the curriculum during the academic year 2014 - 2015
 4. The Practice As discussed in earlier section, the full semester internship was introduced in the curriculum during the academic year 2014 - 2015 under academic regulation 2012. The uniqueness of this initiative is that the entire process is institutionalized unlike other institutions. During the budding

stage of this initiative, a separate internship cell is established with a dedicated team of faculty assigning specific roles and responsibilities by facilitating decentralization and delegation of powers. Few of the roles and responsibilities include • Develop Standard Operating Procedure (SOP) • Visit and identify companies to create a diversified network • Background verification of the companies • Allotment of students based on their request as per SOP and intimation to students/companies • Enabling interns boarding exercise with the companies • Periodical review • Industry based assessment (i.e. a separate rubrics is developed for assessment for industry expert focusing on Motivation, Reading/Writing/Computation Skills, Creative Thinking and Problem Solving Skills, Listening and Oral Communication Skills, Interpersonal and Teamwork Skills and Basic Work Etiquettes • Involvement of industries in the final assessment too

5. Evidence of Success

a. Positive Feedback from Internal and External Stakeholders

b. Companies are volunteering to take interns with pre-placement offers

6. Problems Encountered and Resources Required

a. In initial stage, networking with companies posed serious challenges as the Institute is located in a very remote place from the city

b. Initial travel was too hectic to establish the industry connect

c. Paradigm change in the mindset of stakeholders posed serious challenges to adopt to this new initiative at the very beginning

d. Identifying the companies who are seriously looking for industry-academia relationship through internship programme on free of charge had several challenges

Note: With meticulous planning and implementation all the above challenges are overcome and manageable with voice calls now for all the activities as cited above. However, networking with MNCs is still a challenge

Practice 2

1. Title of the Practice Industry driven electives for enhancing the employability

2. Objectives of the Practice

a. Develop a holistic curriculum aligning design, delivery and assessment in accordance with outcome based education and changing needs of the industries

b. Create a learner centric academic eco-system to break the monotony of regular lecture

c. To provide student centric learning experience with different learning strategies to cater the needs of 21st century skills

d. Adopt innovative teaching - learning pedagogies using ICT tools

e. Creating e-learning environment and ease access to in-house learning resources in line with the class delivery, anywhere any time

3. The Context While the college has a clearly laid down vision and mission, a specific focus is utmost needed to navigate the strategic plan to implement outcome based education (OBE) in an IT enabled environment as well as to encourage all-round rigor and instill a spirit of enquiry and critical thinking among the students, faculty and staff. In this context, an attempt is made to develop a sound and loud curriculum in line with objectives as cited above. Accordingly an innovative teaching - learning pedagogy is developed, tested and being implemented in a phased manner with the use of appropriate ICT tools. To support this initiative, an e-learning portal is also developed to enable the students to have an easy access to all learning resources, which are being developed in-house continuously.

4. The Practice Curricular Aspects The curriculum design is always an art and it's a never-ending challenge to develop a holistic curriculum that caters the needs of the changing needs of the industries as well as to make the students more competent. As the needs of industries are changing very rapidly and also GMRIIT being an autonomous institution since 2012, continuous efforts are put on year on year to enrich the curriculum design, development and revision. The curriculum design is formulated on a well-established educational objectives and outcomes and in this continuous journey, all the stakeholders viz. Management, Employers, Potential Employers, Representatives from Professional Bodies, Alumni, Teachers, Parents and Students are actively involved to develop and revise the same by constituting Board of Studies and Academic Council in accordance with the requirement of UGC. Further, the following best practices are in-place for continuous improvement in the curriculum • Feedback mechanism on Curriculum is also in place in addition to the above mandatory requirement

to capture the voice of different stakeholders on a regular basis • Different learning strategies viz. Layer Learning, Experiential Learning, Participative Learning, Collaborative Learning, Interactive Learning and Project Based Learning • Adequate scope is also provided in the curriculum to enable the learners to initiate self-directed learning • Industry driven 3- and 1- credit courses • Very recently, a new concept, Career Path is introduced to address contemporary technologies in association with one industry partner for all courses Teaching - Learning Process In addition to the curriculum design in the context of outcome based education, an effort has been made align the teaching-learning process in line with the philosophy of OBE by deploying innovative teaching learning pedagogy namely, "Cohesive Teaching Learning Practices (CTLP)"

5. Evidence of Success

- Continuous improvement in the curriculum as it is being observed in the feedback on curriculum from all stakeholders
- Improvement in teaching - learning process and shift from teacher centric to learner centric environment is being observed in the classroom environment
- Prepares the course instructor for effective classroom delivery with a focused intended learning outcomes
- Students started using the internal learning portal beyond working hours and showing interest in collaborative learning outside classrooms
- Availability of e-courseware in both static and video format
- Improved academic performance
- Think-Pair-Share model of CTLP helps a lot for peer-to-peer learning
- More industry exposure
- Students and teachers used to online test practices
- Incremental holistic growth is being observed

6. Problems Encountered and Resources Required

- To formulate a complete design pattern of curriculum which is completely in tune with OBE, it was a great challenge to arrive the proportion of courses addressing different learning strategies
- Paradigm change in the mindset of internal stakeholders posed serious challenges to adapt to this new teaching-learning pedagogy. As this was initiated by the members of IQAC, several programmes in this line was organized to train the members of faculty after necessary vetting of the proposed pedagogy by a team from IIT Mumbai and thus the challenge was slowly turned to a success story
- In initial stage, members were very much hesitated to volunteer for developing e-content in the video format. Subsequently, in one of initiatives of IQAC, i.e. FADS, it was incentivized and being regularly monitored and now, the members are volunteering seeing this impact of this video courses among the students during the COVID-19 season where the education system realized the importance of digital learning
- In the very beginning, there was a serous resistance from few members of faculty to prepare the lecture plan as per the format of CTLP as this takes much time in the first attempt. After having several training and sensitizing programmes, now all the courses are developed in the CTLP format

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

<https://tinyurl.com/4wp2x4z>

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

Process driven Eco-System to enhance the Academic Ambience and Sustain Quality:
 The Institute strongly believes that the "Quality of Education can never be Better than the Quality of Teachers" in an academic eco-system. With this spirit of ensuring the quality of the faculty, the institution has a robust selection process for identifying the best of the teaching faculty with real passion towards teaching. This creates and enables the system to realize the vision of the institution i.e., to be among the most preferred institutions offering quality technical education. In line with this the mission statements are conceived keeping in complete concurrence with the core values of NAAC upon

which the entire accreditation process is built-in for quality assurance. To keep up in pace with the technology development and various innovative teaching and learning pedagogies, continuous faculty capacity building programs play a vital role to maintain the reputation of the institution. Having said that the Institute has started introducing several best practices to enhance the quality of education offered and creating an enabling environment for both teachers and students for their holistic growth. Having all these challenges in mind in the last decade, several initiatives were introduced to motivate faculty members and promote philosophy of continuous professional development. A policy document with the well-defined SOP has been brought into existence enabling all the faculty members to get aligned with the system. This process driven approach for ensuring the quality of the faculty and faculty continuous development has shown the impact in terms of ? Attracting senior faculty members PAN India with good academic credentials, research and professional competencies leading to a heterogeneous group ? Increased motivational levels of existing faculty for continuous development of professional competencies through participation in conferences, seminars and workshops ? Building and enhancing the research profile leading to success in getting research grants from various funding agencies, quality publications in Scopus and SCI indexed journals and acquiring Ph.D. qualification for career enhancement Over the last few years, the system which was in place got modified year on year and finally in line with the Academic Performance Indicator (API) evolved into a very comprehensive policy by name "Faculty Assessment and Development Scheme(FADS)" during year 2017-18. FADS came out as very high enabling policy covering all the aspects of the development of the faculty with a proper balance between academics, research, and professional development. Apart from the above, the policy also has scope to incentivize the faculty members with monetary benefits based on the score that the faculty acquired under various attributes of the policy which has flexibility to tradeoff. Compared among the equals, this initiative has turned into a distinct practice contributing to the realization of the vision of the institution.

Provide the weblink of the institution

<https://tinyurl.com/lbfp2syb>

8.Future Plans of Actions for Next Academic Year

To establish a research facility to promote process and product research apart from the fundamental research To establish the Business Incubation Center to promote start-ups To strengthen industry-institute engagement at national and international level To become a multi-disciplinary private university