The Annual Quality Assurance Report (AQAR)
2015-16

Submitted to

National Assessment and Accreditation Council (NAAC)

Gandhi Institute of Technology and Management
(GITAM)
(Estd. u/s 3 of the UGC Act, 1956)
Accredited by NAAC With 'A' Grade
Gandhinagar Campus, Rushikonda, Visakhapatnam-530 045,
A.P., India

Annual Quality

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2015 -16

1. Details of the Institution

1.1 Name of the Institution

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)

1.2 Address Line 1

Gandhinagar

Address Line 2

Rushikonda

City/Town

Visakhapatnam

State

Andhra Pradesh

Pin Code

530 045

Institution e-mail address

registrar@gitam.edu

Contact Nos.

0891-2840 501, 2795 311

Name of the Head of the Institution:

Prof. M. S. Prasada Rao

Tel. No. with STD Code:

0891-2840202

Mobile:

8096241234

Name of the IQAC Co-ordinator:

Prof. K. Thammi Reddy

Mobile:

9848027456

IQAC e-mail address:

director_iqac@gitam.edu

1.3 **NAAC Track ID***(For ex. MHCOGN 18879)*

APUNGN10164

OR

1.4 **NAAC Executive Committee No. &Date:**
  (For Example EC/32/A&A/143 dated 3-5-2004.
  This EC no.is available in the right corner-bottom
  of your institution's Accreditation Certificate)

1.5Website address:

www.gitam.edu

Web-link of the AQAR:

http://www.gitam.edu/iqac/flip/aqar15-16/index.html

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	**A**	**3.20**	**2011**	**5 years (up to 15-9-2016)**
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7Date of Establishment of IQAC: DD/MM/YYYY

10/08/2009

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

AQAR 2014- 2015 submitted to NAAC, Bengaluru on 09-04-2016
AQAR 2013- 2014 submitted to NAAC, Bengaluru on 14-05-2015
AQAR 2012- 2013 submitted to NAAC, Bengaluru on 13-02-2015
AQAR 2011- 2012 submitted to NAAC, Bengaluru on 30-09-2012

1.9 Institutional Status

University   State ☐   Central ☐   Deemed ✔   Private ☐

    Affiliated College   Yes ☐   No ✔

    Constituent College   Yes ☐   No ✔

Autonomous collegeof UGC   Yes ☐   No ✔

Regulatory Agency approved Institution   Yes ✔   No ☐

  (eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education ✔   Men ☐   Women ☐

    Urban ✔ Rural ☐ Tribal ☐

Financial Status   Grant-in-aid ☐   UGC 2(f) ☐   UGC 12B ✔

    Grant-in-aid +Self Financing Totally ☐   Self-financing ✔

1.10 Type of Faculty/Programme

Arts ✔   Science ✔   Commerce ✔   Law ✔   PEI(Phys Edu) ☐

TEI (Edu) ☐   Engineering ✔   Health Science ✔   Management ✔

Others (Specify)   Pharmacy, Humanities, Architecture

1.11 Name of the Affiliating University *(for the Colleges)*   NA

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University [ ]

University with Potential for Excellence [ ]   UGC-CPE [ ]

DST Star Scheme [ ]   [ ]

UGC-Special Assistance Programme [ ]   DST-FIST [✓]

UGC-Innovative PG programmes [ ]   Any other (*Specify*) [TEQIP PHASE -II]

UGC-COP Programmes [ ]

2.IQACComposition and Activities

2.1No. of Teachers [8]

2.2No. of Administrative/Technical staff [5]

2.3No. of students [0]

2.4No. of Management representatives [1]

2.5No. of Alumni [2]

2. 6No. of any other stakeholder and

community representatives [0]

2.7 No. of Employers/ Industrialists [1]

2.8 No. of other External Experts [0]

2.9 Total No. of members [17]

2.10No. of IQAC meetings held [2]

2.11 No. of meetings with various stakeholders: No. | 10 | Faculty | 5 |

Non-Teaching Staff Students | 1 | Alumni | 3 | Others | 1 |

2.12 Has IQAC received any funding from UGC during the year?   Yes | | No | ✓ |

If yes, mention the amount | |

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. | 0 | International | | National | | State | | Institution Level | |

(ii) Themes | |

2.14 Significant Activities and contributions made by IQAC

> The IQAC conducted academic audit for all the departments and submitted the report to the Principal/Director and to the University for taking suitable measures for improvement. The IQAC also conducted seminars and brain storming sessions in the subject domain with the subject experts from premier research and academic institutes.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality

enhancement and the outcome achieved by the end of the year

Plan of Action	**Achievements**
1. Conduct Academic Audit for various departments of the university.	1. HoI's reviewed the audit reports and rewarded the staff.
2. Encouraging the faculty for the extensive use of online course material.	2. Most of the faculty used the online course material during the delivery of the course. Some of the faculty got certified these agencies for few courses.
3. Preparation for the NAAC 2nd Cycle.	3. The University has submitted the Self Study Report to NAAC after receiving the Letter of Intent.

4. Orientation programme on Academic Staff Appraisal Process(ASAP).	4. All the staff got benefitted.
5. Orientation programme on ICT enabled teaching learning Process.	5. The newly recruited staff were trained on various ICT tools used for effective TLP.

2.15 Whether the AQAR was placed in statutory body Yes ✓ No ☐

Management ✓ Syndicate ☐ Any other body ☐

Provide the details of the action taken

The AQAR was placed before Board of Management & IQAC advisory meetings for approval. The Board of Management appreciated the efforts made by the IQAC.

Part – B
Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	21	--	21	--
PG	43	--	43	--
UG	31	2	33	--
PG Diploma	1	1	2	--
Advanced Diploma	--	--	--	--
Diploma	1		1	--
Certificate	7	--	7	--
Others (M.Phil. /Int. B.Tech + M.Tech)	19	--	19	--
Total	123	3	126	--

Interdisciplinary	0			
Innovative	2			

1.2 (i) Flexibility of the Curriculum: CBCS/ Core/Elective option / Open options

   a) CBCS for 2015-16 admitted batch
   b) Sophomore – Elective System

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	91
Trimester	06
Annual	01

1.3 Feedback from stakeholders*Alumni ☑ Parents ☑ Employers ☑ Students ☑
   (On all aspects)

Mode of feedback: Online ☑   Manual ☐   Co-operating schools (for PEI) ☐

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes.

- ❖ CBCS has been implemented.
- ❖ Syllabus is thoroughly revised in all most all the courses including the latest advancements.
- ❖ Introduction of Departmental workshops.
- ❖ Introduction of Open Electives such as Foreign languages, Engineering Projects in Community Service, etc.,
- ❖ Introduction of acceleration of course work.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Yes.
- ❖ Institute of Medical Sciences and Research to offer M.B.B.S. programmes
- ❖ Centre for Water Quality
- ❖ Centre for Nano Science and Research
- ❖ Fire Research Centre

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
1105	806	139	92	68

2.2 No. of permanent faculty with Ph.D.

| 372 |

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
93	14	20	8	14	5	68	20	195	47

2.4 No. of Guest and Visiting faculty and temporary faculty

| 74 | | 15 | | 0 |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	58	390	0
Presented papers	141	238	0
Resource Persons	4	75	7

2.6 Innovative processes adopted by the institution in Teaching and Learning:

a) Induction programs for freshers to acclimatize them to the University culture.
b) Orientation programmes for young faculty to accustom them to the various processes.
c) Extensive use of online course material like : Massive Open online Courses (MOOCS) etc., by faculty.
d) Use of social media like blogs, Whatsapp etc. to encourage learning from anywhere at any time.
e) Commencement of Research forum- a platform for researchers to brain storm on the contemporary issues.

2.7 Total No. of actual teaching days during this academic year

| 206 |

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Online examinations are introduced for mid-term examinations.
- The permissible limit for plagiarism was reduced from 30% to 10% during the evaluation of Ph.D. thesis.
- Upgradation of evaluation software to accommodate online transfer of Repeat Continuous evaluation marks.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop.

225

2.10 Average percentage of attendance of students   88-92%

2.11 Course/Programme wise distribution of pass percentage:

Course/Programme wise Distribution of pass percentage: 2015-16 Visakhapatnam –Main Campus					
Title of the Programme	**Total no. of students appeared**	**Division**			
		Distinction %	**I %**	**II %**	**Pass %**
B.Tech. (Biotechnology)	49	24.49	36.73	24.49	85.71
B.Tech. (Civil)	120	36.64	42.75	12.98	93.13
B.Tech. (CSE)	359	53.94	30.28	9.92	94.91
B.Tech. (ECE)	416	45.55	34.49	11.28	91.32
B.Tech. (EEE)	178	41.71	38.69	11.06	91.46
B.Tech. (EIE)	120	28.79	46.97	18.94	94.70
B.Tech. (IT)	292	38.41	40.55	14.63	94.21
B.Tech. (Mech)	175	44.72	35.68	10.55	90.95
B.Tech. (IE)	116	19.83	46.55	25	91.38
B.Arch.	18	27.78	50	22.22	100
B.Tech +M.Tech (EC5)	59	34.38	51.56	12.50	98.44
B.Tech +M.Tech (MC5)	60	37.88	42.42	15.15	95.45
M.Tech. (Biotechnology)	3	100	0	0	100
M.Tech. (SENDM)	30	74	16	0	90
M.Tech.(IEM)	05	80	20	0	100
M.Tech. (Machine Design)	28	46.43	35.71	3.57	85.71
M.Tech. (VLSI Design)	30	36.67	46.67	3.33	86.67
M.Tech. (PSA)	30	69.44	30.56	0	100
M.Tech. (RFMW)	04	25	75	0	100
M.Tech. (DSSP)	04	25	50	0	75
M.Tech. (FPT)	02	0	100	0	100
M.Tech. (CST)	30	61.76	26.47	2.94	91.18
M.Tech. (CAD/CAM)	06	83.33	16.67	0	100
M.Tech. (ES)	21	71.43	28.57	0	100
M.Tech. (EI)	02	100	0	0	100
MCA	11	18.18	81.82	0	100
M.Sc.(Analytical chemistry)	04	0	100	0	100
M.Sc. (Env. Science)	04	75	25	0	100
M.Sc.(Electronic Science)	21	19.05	28.5	38.10	85.71
M.Sc. (Physics)	16	6.25	43.75	25	81.25
M.Sc.(Biochemistry)	11	63.64	27.27	0	90.91
M.Sc.(Applied Mathematics)	05	40	20	0	60
M.Sc. (Organic Chemistry)	05	0	100	0	100
M.Sc. (Microbiology)	17	11.76	70.59	11.76	94.12
M.Sc. (FST)	17	41.18	47.06	0	88.24
M.Sc. (Biotechnology)	23	13.04	43.48	30.43	86.96
Int. M.Sc. (Biotechnology)	01	0	100	0	100
BEM	09	22.22	22.22	33.33	77.78
BCA	22	13.64	31.82	13.64	59.09
B.Pharmacy	28	25	25	32.14	82.14

MBA	120	4.14	34.17	42.50	86.67
MBA(CMU)	05	0	60	20	80
MHRM	04	0	0	25	25
BBM	99	1.01	18.18	28.28	61.62
IMBA	16	0	12.50	56.25	75
BBA(Hons.)	33	0	27.27	39.39	75.76

Course/Programme wise Distribution of pass percentage: 2015-16 Hyderabad –Off Campus					
Title of the Programme	**Total no. of students appeared**	**Division**			
		Distinction %	**I %**	**II %**	**Pass %**
B.Tech.(Aeronautical Engg.)	23	17.39	43.48	26.09	86.96
B.Tech. (Civil)	118	6.15	43.08	32.31	81.54
B.Tech. (CSE)	120	53.03	33.33	9.09	95.45
B.Tech. (ECE)	176	38.78	50	7.65	96.94
B.Tech. (EEE)	119	27.48	46.56	16.79	90.84
B.Tech. (EIE)	80	8.75	47.50	23.75	80.0
B.Tech. (IT)	115	88.32	46.56	19.85	85.50
B.Tech. (Mech)	176	17.44	49.23	23.59	19.77
B.Tech +M.Tech (EC5)	58	17.24	51.72	22.41	91.38
B.Tech +M.Tech (MC5)	57	17.54	50.88	24.56	92.98
M.Tech. (CST.)	14	78.57	14.29	0	92.86
M.Tech. (VLSI Design)	03	0	100	0	100
M.Tech. (PSA)	02	100	0	0	100
MBA	51	21.57	49.02	17.65	90.20

Course/Programme wise Distribution of pass percentage: 2015-16 Bengaluru –Off Campus					
Title of the Programme	**Total no. of students appeared**	**Division**			
		Distinction %	**I %**	**II %**	**Pass class %**
B.Tech. (CSE)	08	25	50	0	75
B.Tech. (ECE)	27	11.11	55.56	11.11	77.78
MBA	17	5.88	35.29	23.53	64.71

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The IQAC continuously monitors the quality of teaching learning process by way of conducting Academic staff appraisal process at the end of every academic year. The periodic reports submitted by the IQAC to the Institutional Heads and the review meetings conducted regularly helped the university significantly to monitor the progress and to initiate the kind of measures that can be taken to improve the quality of teaching and learning process.

An online feedback mechanism is developed to collect the student feedback on faculty.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	87
UGC – Faculty Improvement Programme	10
HRD programmes	1
Orientation programmes	93
Faculty exchange programme	NIL
Staff training conducted by the university	106
Staff training conducted by other institutions	161
Summer / Winter schools, Workshops, etc.	3
Others	39

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	639	30	30	0
Technical Staff	346	25	25	0
Attenders	131	28	28	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Sensitization programmes by experts for the benefit of researchers on the importance of impact factor and citation index.

2. Orientation programme on writing technical papers/articles in journals

3. Provision of analytics of the publications from varies databases to the Heads of the Institutes.

4. Research forum is organized on every second and fourth Saturday to further reinforce the research culture.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	08	71	34	48
Outlay in Rs. Lakhs	117.29	1194.71	533.48	1085.25

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	2	2
Outlay in Rs. Lakhs	0	0.20	1.6	4.52

3.4   Details on research publications

	International	National	Others
Peer Review Journals	700	310	0
Non-Peer Review Journals	54	8	0
e-Journals	4	3	0
Conference proceedings	45	40	0

3.5 Details on Impact factor of publications:

Range $\boxed{0 - 11.709}$ Average $\boxed{4.6}$ h-index $\boxed{8}$ Nos. in SCOPUS $\boxed{276}$

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major Projects	2015-16	UGC	170.13	170.13
		BARC	14.95	14.95
		DST	237.04	237.04
Minor Projects	2015-16	DST	5.5	5.5

Interdisciplinary Projects	2015-16	--	--	--
Industry sponsored	2015-16	10 No's	25.54	25.54
Projects sponsored by the University/ College	2015-16	0	0	0
Students research projects *(other than compulsory by the University)*	2015-16	02 No's	0.50	0.50

3.7 No. of books published   i) With ISBN No. | 10 | Chapters in Edited Books | 22 |

ii) Without ISBN No. | 02 |

3.8 No. of University Departments receiving funds from

UGC-SAP | | CAS | | DST-FIST | 08 |

DPE | | DBT Scheme/funds | |

3.9 For colleges   Autonomy | | CPE | | DBT Star Scheme | |

INSPIRE | | CE | | Any Other (specify) | |

3.10 Revenue generated through consultancy | 30.87 Lakhs |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	10	75	Nil	Nil	Nil
Sponsoring agencies		TEQIP-II, DST Govt. of India,			

3.12 No. of faculty served as experts, chairpersons or resource persons | 125 |

3.13 No. of collaborations: International | 5 | National | 2 | Any other | 10 |

3.14 No. of linkages created during this year | 3 |

3.15 Total budget for research for current year in lakhs: | 467.2 |

From funding agency From Management of University/College | 36.83 |

Total | 504.03 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	4
	Granted	0
International	Applied	1
	Granted	1
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
11	4	3	1	3	--	--

3.18 No. of faculty from the Institution who are Ph. D. Guides 372

and students registered under them 1023

3.19 No. of Ph.D. awarded by faculty from the Institution 85

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF 28   SRF 02   Project Fellows 70   Any other 13

3.21 No. of students Participated in NSS events:

University level State level 2063   1162

National level International level 30   0

3.22 No. of students participated in NCC events:

University level 210   State level 10

National level 9   International level 10

3.23 No. of Awards won in NSS:

University level 30   State level 02

National level 01   International level 0

3.24 No. of Awards won in NCC:

University level	0	State level	0
National level	0	International level	0

3.25 No. of Extension activities organized

University forum	05	College forum	0		
NCC	8	NSS	20	Any other	02

3.26. Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

The NSS wing of GITAM University has 14 +02 Self-financed units and organized various activities such as special camps, blood donation camps, Swachh Bharat, Yoga awareness, Village adoption, Tree plantation, Skill Development.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area(acres)	255.33	0	University resources	255.33
Class rooms	338	50	University resources	388
Laboratories	263	10	University resources	270
Seminar Halls	22	5	University resources	27
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	297	15	University resources	312
Value of the equipment purchased during the year (Rs. in Lakhs)	2194.96	210	University resources	2404.96
Others(computers)	4470	1200	University resources	5670
Hostels for Men	7	0	University resources	7
Hostels for Women	5	0	University resources	5

4.2 Computerization of administration and library

1. All administrative activities are computerized.
2. The library of GITAM Institute of Medical Science and Research (GIMSR) is automized with RFID.

4.3 Library services:

Value: Rupees in lakhs

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	283117	1211.03	6725	102.20	289842	1313.23
Reference Books	42044	150.35	982	41.25	43026	191.60
e-Books	30,90,300	6.99	Subscription Renewed		30,90,300	6.99
Journals	1207	89.58	100	40.50	1307	130.08
e-Journals	8295	110	Subscription Renewed		8295	110
Digital Database	16	2	0	0	16	2
CD & Video	1512	4.43	0	0	1512	4.43
Others (specify)	-	-	0	0	0	0

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	4470	65	1355 Mbps	3	3	60	67	--
Added	1200	1	500 Mbps	0	0	2	1	--
Total	5670	66	1855 Mbps	3	3	62	68	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology Up-gradation (Networking, e-Governance, etc.)

1. The IQAC has conducted a training programme to all the X-learn Coordinators on the use of X-learn software (moodle) designed by the Centre for Advanced Technologies (CATS), GITAM University for conduct of online quiz exams.
2. All the campuses are WiFi enabled.
3. Awareness programme on use of e-journals.

4.6 Amount spent on maintenance in lakhs :

i) ICT   117.33

ii)Campus Infrastructure and facilities   430.25

iii) Equipments   153.86

iv) Others   373.77

                              Total: 1075.21

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Involvement of the officers of the student support services during induction programmes.

2. Publishing the information of student support services in the handbook.

3. Posting the information on the University website.

5.2 Efforts made by the institution for tracking the progression

The institutional heads track the progression of the students in academics throughout the year. The same is conveyed to the heads of departments in regular meetings for the follow up action. Heads of the departments also identify the slow learners and design remedial classes to be conducted after the class hours by the faculty. Apart from these classes, expert lectures are regularly organized. The Counsellors periodically analyze the progress of the students in academic and extracurricular activities.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
13053	2494	805	--

(b) No. of students outside the state

3450

(c) No. of international students

4

Men

No	%
11384	73

Women

No	%
4163	27

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3069	135	33	1250	1	4468	2806	121	67	1249	---	4243

Demand ratio   1:12 Dropout %<1%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

1. University regularly conducts GATE and CAT classes for the students by the faculty.
2. The University has set up an exclusive training centre to give training in GRE/TOFEL/CAT to the aspiring students by external agencies.
3. Conduct of coaching classes for the aspirants of Civil services through centre for Gandhian studies.

No. of students beneficiaries | 850

5.5 No. of students qualified in these examinations

NET [ ]   SLET [ ]   GATE [71]   CAT [16]

IAS/IPS [ ]   State PSC [ ]   UPSC [ ]   Others [450]

5.6 Details of student counselling and career guidance

1. The University regularly conducts activities on career counselling by inviting eminent personalities from various Industries and academic circles. The core and software experts from reputed organizations like TCS, WIPRO, IBM, Amazon, Tech Mahindra, NAVY and HPCL are invited.
2. The training and placement cells located in various institutions of the University are active in motivating and organizing various activities for career guidance.
3. For personal counselling the university adopts a mentor and mentee system, where for every 15 to 20 students a teacher acts as a mentor to counsel and guide the students in his chosen path.

No. of students benefitted | 2154

5.7 Details of campus placement

	On campus		Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
145	2900	1921	212

5.8 Details of gender sensitization programmes

GITAM University has constituted a Women Empowerment Cell. A senior professor from the Institute of Management Prof. P. Sheela along with senior teachers and student members are organizing various gender sensitization programmes. These programmes are being organized by inviting eminent women personalities from reputed institutions/organizations throughout the country. The various programmes organised are

S. No.	Date	Event Details
1.	06-02-2016	An awareness program by Dr. N Sujatha N MD (RT) ,Radiation & Clinical Oncologist on 'Breast Cancer: Signs and Symptoms'
2.	17 -02-2016	Sensitization lecture by Ms. Uma Gajapati Raju on 'Nutrition and Diet'
3.	19 -02-2016	Sensitization lecture by Dr. Uma rao, Assistant Professor, GITAM School of Law on 'Sexual harassment-Legal standards'

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University Level   185   National level   85   International level   0

No. of students participated in cultural events

State/ University level   854   National level   10   International level   0

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level   5   National level   15   International level   0

Cultural: State/ University level   44   National level   16   International level   02

5.10 Scholarships and Financial Support

	Number of students	Amount Rs. in lakhs
Financial support from institution	642	536.38
Financial support from government	0	0
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11Student organised / initiatives

Fairs   : State/ University level   15   National level   04   International level   0

Exhibition: State/ University level   14   National level   02   International level   0

5.12 No. of social initiatives undertaken by the students   46

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION :

<div align="center">To become a global leader in higher education.</div>

MISSION:

<div align="center">To impart futuristic and comprehensive education of global standards with a high sense of discipline and social relevance in a serene and invigorating environment.</div>

6.2 Does the Institution has a management Information System

Yes. The University has developed IMS software in-house to cater to the needs of the University in conducting various activities. The main components of the IMS software consists of a.) Faculty information b.) Student information c.) Dept. Information and d.) Assets information,etc. All the departments have an IQAC representative responsible for data updations.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1) Senior faculty have been deputed for training on various aspects of curriculum design and development and their expertise is used in the design and development of the curriculum.
2) The Board of studies at Post Graduate and Under Graduate levels are constituted withmembers from industry, expert from research organizations and faculty from other universities.
3) Regular interaction meetings are arranged by inviting eminent academicians fromIITs/IIMs/ IISc., central universities, etc., for enrichment of the curriculum.

6.3.2 Teaching and Learning

1) Academic Monitoring committees to improve the quality of Teaching.
2) Using the ICT technologiesin classrooms.
3) Use of e-learning resources in teaching/learning
4) Steps are initiated for ISO 9001:2015 certification

6.3.3   Examination and Evaluation
1. The permissible limit for plagiarism was reduced from 30% to 10% during the evaluation of Ph.D. thesis.
2. The University is uploading the copy of awarded Ph.D. theses into Shodhganga of INFLIBNET.

6.3.4 Research and Development

1) Motivating the faculty to apply both for major and minor projects by sensitizing them regularly.
2) Organizing lectures from various experts on the contemporary subjects.
3) Setting up a central research laboratory to encourage inters disciplinary work.

6.3.5. Library, ICT and physical infrastructure / instrumentation

1) Steps are initiated for ISO 27001 certification for software management system.

2) Creation of video conferencing facility to provide access to the experts.

3) Strengthened the in-house computer service centre for providing quick services to the users.

4) The campus is Wi-Fi enabled. All the buildings are under the electronic surveillance.

5) The University facilitated IP Telephony for administrative communication among three campuses over the internet backbone.

6.3.6 Human Resource Management

The faculty are sponsored to attend various workshops/ conferences/ seminars to enhance their knowledge and skills. The university also regularly organizes conferences, workshops and seminars by inviting eminent personalities from academia and industry on various fields. The University gives various awards viz., Best Teacher Award and Best Research Award with financial benefit to motivate the faculty.

6.3.7 Faculty and Staff recruitment

The University regularly recruits faculty and staff after a thorough review of the requirement for both teaching and non-teaching positions. The University follows the guidelines issued by UGC from time to time for specifying the minimum qualifications, constitution of selection committees, etc. The faculty are selected strictly on the basis of merit following the statutory reservations.

6.3.8 Industry Interaction / Collaboration

The University is having collaboration with many leading industries in and around Visakhapatnam. It has signed nearly 70 MOUs with various research organizations and industrial establishments. The University has several interdisciplinary and multi-disciplinary research projects. The directorate of consultancy, projects and collaboration liaisons with the industry/corporate to identify their needs and connects the faculty for offering solutions.

6.3.9 Admission of Students

The University has an open policy on admission process. Transparent admission schedule is made known to all stakeholders through advertisements in national level newspapers/magazines, University website, participation in educational fairs, posters, etc. Every year, the University conducts a national level online entrance examination for admission into various UG & PG programmes offered by the University. Admissions to all the programmes offered by the University are made on the basis of merit obtained in the entrance examination. For admission to management programmes, however, group discussion and personal interview are also given weightage in assessing the merit and deciding the rank. The weightages given to different components of the admission process are decided in advance and communicated to prospective students. The tests are conducted simultaneously in several centers covering all the regions in the country. The admission policy of the university is clearly laid down and widely circulated. A separate wing viz., Directorate of Admissions has been set up for conducting various entrance tests for different programmes and organizing the counselling process smoothly. The entire admission process ensures transparency. Admission process ensures access and equity considering the applicable norms. Rule of reservation is followed in admissions for SC, ST & Physically challenged students.

6.4 Welfare schemes for

Teaching	• Provision of Medical Insurance • Free medical facility
Non teaching	• Provision of Medical Insurance • Free medical facility
Students	• Group Insurance • Earn while you Learn Scheme

6.5 Total corpus fund generated

19,197.44 Lakhs

6.6 Whether annual financial audit has been done   Yes √ No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Experts from IITs under TEQIP-II program	Yes	IQAC
Administrative	Yes	Registrar	Yes	Registrar

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes   Yes √ No ☐

For PG Programmes   Yes √ No ☐

6.9 What efforts are made by the University/Autonomous College for Examination Reforms?
Automation of the coding and decoding of the answer scripts to minimize the effort and time.

i.) The University introduced Repeat Continuous Evaluation (RCE) Scheme to facilitate the slow learners to improve their continuous evaluation marks.

ii.) The candidates appearing for RCE are being assessed by the faculty by conducting a minimum of contact hours during the summer vacation.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?
Not Applicable

6.11 Activities and support from the Alumni Association

The university regularly organises alumni meets faculty-wise during November/Decemberand alumni students with their families meet together to share their experiences and ideas for the growth of the university. The details of the Alumni meets conducted during 2015-16 are:

S. No.	Batch Year	BRANCH	DATE
1.	1991-95	CIVIL	11-07-2015
2.	1986-90	MECH, ECE, EEE, CSE & CIVIL	01-08-2015
3.	1990-94	MECH	28-12-2015
4.	1992-96	EEE	25-07-2016

6.12 Activities and support from the Parent – Teacher Association

The university regularly organizes parent teacher meet to know the requirements of the studentsand to address their grievances. Parents share their views for the growth of the university inthe form of suggestions.

6.13 Development programmes for support staff

The University deputes the supporting staff to skill development programmes organized by the Centre for Learning and Sustainability and other reputed organizations. Every year the University honours the Best Supporting Staff by giving them an award and cash prize.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- ✓ GITAM University is well known for its ambient environment with lush green lawns and trees.
- ✓ A separate horticulture dept. was established to nourish the plants, and trees and to protect the environment.
- ✓ The university has installed DEWATS facility for waste management.
- ✓ Bio-medical waste is handed over to govt.-approved agency.
- ✓ Green audit is conducted every year to take suitable measures to maintain the campus in an eco-friendly manner.
- ✓ The University installed CFC lamps and the reflector fittings in all the buildings. Steady switchover to LED lights is progressing.
- ✓ Steps are initiated for ISO 14001 certification on Environmental Management System

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- ❖ *Central Research Laboratory (CRL):* A Central Research Laboratory has been established housing sophisticated equipment which facilitates researchers from all streams of Engineering and Science to conduct multidisciplinary research projects. Within a short span, the CRL has made a significant impact in research in major thrust areas of funded research in different interdisciplinary areas resulting in publications with high impact factor.

- ❖ *Advanced Research Laboratory:* An Advanced Research Laboratory has been established to undertake frontline research in the areas of cancer biology, nano-science and technology, medicinal plants, new drug delivery systems, materials and environmental science.

- ❖ *Centre for Water Quality:* The University has established a Centre for Water Quality to facilitate analysis of water quality and to maintain data base in association with DST. This Centre is first of its kind in the State of Andhra Pradesh. This Centre is serving the needs of many stakeholders which includes the state government, district administration, local governments and industry.

- ❖ *Intellectual Property Rights (IPR) Cell:* The University has started an Intellectual Property Rights (IPR) Cell in association with National Research Development Corporation (NRDC), New Delhi. The IPR policy document has been formulated which enunciates clear guidelines to promote research, consultancy and facilitates the researchers in registering their patent rights. The sensitization programmes organized by the IPR Cell by inviting eminent resource persons led to the enhancement of filing of patents by the faculty, research scholars and students.

- ❖ *Incubation Centres:* The University has set up incubation centres to foster entrepreneurial skills among students. The Centres extend support by providing necessary facilities, mentorship, investment support, and a platform to interact with experts from industry. Around 25 start-ups in the areas of manufacturing, web-designing, mobile apps, etc., had their origin in these incubation centres.

- ❖ *Research Forum:* The University has set up a Research Forum to provide a platform for all the researchers to get exposed to the research work carried out in the University. The Forum provides an opportunity to learn the skills and methodologies of applied and/or basic research while exploring an area of personal interest. It helps to create research

proposals, conduct research, prepare professional research papers, and present their findings. In addition, each institute has been organizing weekly research colloquia. This has created scope for the budding researchers to gain some insights into contemporary research that has been carried out in various departments.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- The University has adopted Choice Based Credit system (CBCS) for all UG and PG Programmes from the academic year 2015-16.
- The University established GITAM Institute of Medical Sciences and Research (GIMSR) to offer MBBS Programme from the academic year 2015-16 with the approval of concerned statutory bodies.
- The University has initiated
  - ➢ PG diploma programme in Business Analytics
  - ➢ Certificate programmes in Data Analytics through Hadoop,
  - ➢ Dot Net,
  - ➢ Programming with Python,
  - ➢ Business Analytics using SPSS

- The University has established Centre for Water Quality

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

Best Practice-1: Promoting Research Culture
  ➢ **Objectives of the Practice:**
    - To enrich the passion among faculty and students in research.
    - To develop networking between the University and research institutes of repute.
    - To develop research centres for undertaking contemporary research.
  ➢ **The Practice**
    - Research projects
    - MoU with BARC in the areas of
      - environmental impact analysis
      - National environmental gamma radiation monitoring.
    - Every academic department has identified thrust areas
    - Focused on multi-disciplinary research.
    - starter research grant
    - Science Activity Centre
    - Incubation centres

Best Practice-2: Open Source Initiative
  ➢ **Objectives of the Practice:**
    - To encourage the use of open source software's
    - To promote open source culture among the student community
    - To offer for free redistribution
    - To make software License Technology-Neutral

  ➢ **The Practice**
    - X-Learn (moodle) framework for teaching-learning process
    - 100% course outlines and attendance
    - Open Source Computer Labs

- GITAM Blogs
- Cloud Computing

7.4 Contribution to environmental awareness / protection.

The following initiatives are taken by the University to promote eco-friendly campuses:

- For energy conservation, buildings are designed and constructed to achieve good ventilation and glare-free natural light; a dedicated 33 KV line of APEPDCL is installed to minimise power outages; remote tap changeover control units are installed at entry points for voltage regulation; automatic power factor control units are installed for controlling surges in current; CFL and reflector fittings are installed; green compliant and energy saving motors are used; star-rated electrical appliances and variable refrigerant flow type air-conditioning units are installed and best quality cabling and switchgears are used to reduce faults, voltage losses and heat losses.

- For harnessing renewable energy sources, solar hot water systems, solar photovoltaic (SPV) power generators, SPV powered LED lights and solar pumps are installed. The complete steam and hot water requirements of hostels and guest houses are being met by roof-top solar hot water systems. A zero-energy-demand sewage treatment plant is functioning in the medical campus at Visakhapatnam, treating 100% of the sewage and sullage generated in the hospital. A pilot wind-turbine electricity generating module is under development while a bio-mass unit and modules of Eco Hot generators are under implementation at Hyderabad Campus.

- For water harvesting, contour bunds, soak pits, check dams, recycling of effluents from sewage treatment plants are constructed. Some of the parks are maintained at a low topography, bounded by roads at a higher level, thereby enabling macro-percolation during the rainy season. These fairly wet zones are bird-friendly, also acting as habitats for minor animals, lending a helping hand in maintaining the flora & fauna.

- For minimizing greenhouse gases, efforts are being made to maintain the six greenhouse gases viz., carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and sulphur hexafluoride (SF_6) at the minimum levels as specified by the Kyoto Protocol.

- For achieving carbon neutrality, extensive plantation is undertaken to ensure a green cover that continuously consumes the atmospheric carbon dioxide. Care is also being taken to ensure that only legally acceptable refrigerant types are used and vehicular pollution is minimised by encouraging the use of public transport. Further use of firewood and other solid fuels, in raw or pellet form, is prohibited within the campuses and care is taken to dispose of effluents in safe and acceptable ways.

- For extensive plantation, stretches of land are earmarked for plantation which includes shrubs, flowering beds and plantations of usufruct value; a variety of trees like artocarpus, mangifera, anacardium, pongamia, azardichta, ficus and syzium which are known for their high wood density and consequent enhanced carbon sequestration potential, are extensively grown; water consumption is minimized; use of artificial fertilizers and pesticides are avoided; drip irrigation and sprinkler watering are used wherever feasible; an eco-friendly bio-pesticide "GITAM Trishul" has been developed and supplied free of cost to the farmers; natural composting of plant litter is made mandatory within the campuses.

- For safe waste & solid disposal, all biodegradable waste is being composted; metallic and plastic waste is being handed over to approved recyclers; paper wastes, especially old papers, are sent to pulp manufacturers and bio-medical waste is handed over to govt.-approved agency.

- For wastewater handling, sewage and sullage are being treated ensuring that the solid by-product is used as manure and most of the liquid water is used for horticulture.

- For hazardous waste management, laboratory chemicals and biomedical wastes are disposed of as per standard procedures; dry powder, ABC and CO_2 type portable fire extinguishers are used; all statutory licenses and permissions are obtained from the Pollution Control Boards and the Ministry of Environment and Forests.

- For e-waste management, electronic waste comprising hardware of condemned and discarded computers, laboratory instruments and the like are being handed over to agencies approved by the Pollution Control Boards.

7.5 Whether environmental audit was conducted?   Yes | √ | | |

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

8. Plans of institution for next year

1. To start B.Sc. Nursing Programme
2. Collaborative Programme with Reddy Labs
3. Collaborative Programme with Laurus Lab at Hyderabad campus
4. To start PG programme in M .Tech.(Data Science)

Name: Prof. K. Thammi Reddy   Name: Prof. M. S. Prasada Rao

7/2/17   7/2/17

Signature of the Coordinator, IQAC   _Signature of the Chairperson, IQAC_

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