

# Annual Quality Assurance Report (AQAR) – 2017-18

Submitted To



National Assessment and Accreditation Council (NAAC)

Submitted By



**Godavari Institute of Engineering & Technology,**  
(An Autonomous Institution)

Approved by AICTE, Permanently affiliated to JNTU, Kakinada

Recognised by UGC under 2(f) & 12(B)

NH - 16, Chaitanya Knowledge City, RAJAMAHENDRAVARAM- 533296

Andhra Pradesh, India.

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## The Annual Quality Assurance Report (AQAR) of the IQAC

[All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)]

### Part – A

#### 1. Details of the Institution

1.1 Name of the Institution	Godavari Institute of Engineering & Technology (Autonomous)
1.2 Address Line 1	Chaitanya Knowledge City, NH - 16,
Address Line 2	Rajanagaram
City/Town	Rajamahendravaram
State	Andhra Pradesh
Pin Code	533296
Institution e-mail address	principal@giet.ac.in
Contact Nos.	+91-9676015566, +918142366366
Name of the Head of the Institution:	Dr. T.V. Prasad, Principal
Tel. No. with STD Code:	+91-9676015566
Mobile:	+91-9676015566

Name of the IQAC Co-ordinator:

Dr.T.Jayananda Kumar

Mobile:

+919440128113

IQAC e-mail address:

iqac@giet.ac.in; deanaa@giet.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

APCOGN80479

(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)

NAAC/EC (SC)/32/RAR/APCOGN80479  
Dated 26 September, 2018

1.5 Website address:

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

Web-link of the AQAR:

<http://www.giet.ac.in/iqac/aqar-2017-18.pdf>

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

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.31	23 <sup>rd</sup> March, 2013	5 Years up to 22/03/2018
2	2 <sup>nd</sup> Cycle	A+	3.37	26 <sup>th</sup> September 2018	5 Years up to 25/09/2023

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

10/07/2012

1.8 AQAR for the year (for example 2010-11)

2017-18



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

- i. AQAR\_2013-14 \_\_\_\_\_ 14/10/2014 \_\_\_\_\_ (DD/MM/YYYY)
- ii. AQAR\_2014-15 \_\_\_\_\_ 06/10/2015 \_\_\_\_\_ (DD/MM/YYYY)
- iii. AQAR\_2015-16 \_\_\_\_\_ 08/11/2016 \_\_\_\_\_ (DD/MM/YYYY)
- iv. AQAR\_2016-17 \_\_\_\_\_ 08/11/2017 \_\_\_\_\_ (DD/MM/YYYY)

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of 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

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

Jawaharlal Nehru Technological  
University Kakinada (JNTUK),  
Kakinada



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

Autonomy by State/Central Govt. / University

University - JNTUK and UGC

University with Potential for Excellence	-	UGC-CPE	-
DST Star Scheme	-	UGC-CE	-
UGC-Special Assistance Programme	-	DST-FIST	-
UGC-Innovative PG programmes	-	Any other (Specify)	-
UGC-COP Programmes	-		

**2. IQAC Composition and Activities**

2.1 No. of Teachers	08		
2.2 No. of Administrative/Technical staff	02		
2.3 No. of students	02		
2.4 No. of Management representatives	02		
2.5 No. of Alumni	01		
2.6 No. of any other stakeholder and community representatives	01		
2.7 No. of Employers/ Industrialists	01		
2.8 No. of other External Experts	01		
2.9 Total No. of members	18		
2.10 No. of IQAC meetings held	02		
2.11 No. of meetings with various stakeholders:	No.	03	Faculty 01
Non-Teaching Staff	01	Alumni 01	Others --

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.  International  National  State  Institution Level

(ii) Themes

- Intellectual Property Rights
- Research Orientation & Participation
- AICTE Choice Based Model Curriculum
- Start-ups
- CO-PO Attainment

2.14 Significant Activities and contributions made by IQAC

- Quality parameters developed for various academic / administrative activities of the institute.
- Implementation of Outcomes Measurement for the courses in various programmes.
  - Academic auditing
  - Orientation Programme for 1<sup>st</sup> Year students
  - Encourage more number of faculties to apply research proposals for research grants from various funding agencies like DST, AICTE, UGC, DRDO and ISRO etc.
  - Arranging ICT based Training on latest technologies for students
  - Arranging Regular training / certification programmes for supporting staff
  - Faculty are encouraged to participate in Workshops/Conferences
  - Conducting workshops on emerging technologies for faculty
  - Ensure continuous enhancement of knowledge /skills of teaching faculty.
  - Strengthen the alumni relationship by increasing the registration through online portal.
  - Identifying thrust areas and recommending new laboratories
  - Faculty and students are encouraged to get certifications from NPTEL
  - Remedial classes for the students in need, especially for the students having back-log subjects.
  - Conduction of Academic Audit with Vibrant Tool Kit
  - Skill Development Programmes
  - Arranging Faculty Development Programs on written and oral English communication to the newly admitted faculty.
  - Providing Hands-on Training on latest software tools to the students.



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
Revised academic regulation as GR-17 under Autonomous status for all UG and PG Programmes being offered	<ul style="list-style-type: none"> <li>• 25 new electives are being offered</li> </ul>
Increased elective offerings in various degree programmes from across the disciplines be made available to desirous students	<ul style="list-style-type: none"> <li>• Open Elective course system implemented</li> <li>• 35 new courses are introduced</li> </ul>
Multi-disciplinary programmes may be introduced	<ul style="list-style-type: none"> <li>• Center for Innovation and Incubation Started, Virtusa and Hebeon Technologies Incubation Centers</li> <li>• 2 start-ups incubated on campus</li> <li>• Siemens and Dassaults labs were used to train-Lab Course work and 60 Students have under gone Training through on-line</li> <li>• Our EIGHT students got selected for University Innovation Fellows of Stanford University. They have cleared their first level at Rank-2 in Andhra Pradesh and now COMPLETED their next level training at Stanford/Google/Microsoft</li> </ul>
Domain knowledge and teaching skills of the faculty to be improved through FDP	<ul style="list-style-type: none"> <li>• Two batches of faculty members (72) deputed to IIT Madras for FDP on Teaching and Learning</li> <li>• A One-week Faculty Development Programme (FDP) on Teaching Learning Processes was organized on 07-11 May 2018 for the teaching staff (157 faculty members have attended)</li> <li>• Several other programmes are being arranged for faculty members to improve their teaching and learning skills</li> </ul>



Planned to apply for research centres	<ul style="list-style-type: none"> <li>Departments of CSE, ECE, EEE and ME were accorded "Research Centres" recognition by JNTUK.</li> </ul>
Eco friendly approaches	<ul style="list-style-type: none"> <li>Van Mahotsav was celebrated to promote planting of trees and encourage Green environment activities through NSS and Prakruthi Club.</li> <li>200KW Solar panel was installed as a part of Energy initiative.</li> <li>E-waste, Rain water Harvesting, Recycle of Waste water, Recycle of paper, Solid Waste etc. used for Clean and Green Environment.</li> <li>Planting of trees in the nearby locality. Celebration of World Earth Day &amp; World Environment Day to create awareness among students regarding clean and green environment.</li> </ul>
Social Activity programmes	<ul style="list-style-type: none"> <li>Blood Donation, International women's day, helping Orphanage, ODF survey on Identification of houses surrounding villages, were conducted by NCC and NSS Students</li> <li>From A.Y 2017-18, B.Tech 2<sup>nd</sup> year students started engaging in social responsibility course which was introduced as an Audit course in syllabi under Autonomous system</li> </ul>
Industry - Institute Collaborations	<ul style="list-style-type: none"> <li>6 New linkages under APSSDC TDSI scheme with Hebeon, Virtusa, APSSDC, R &amp; AC, CBT and Domestic Electronics Labs have been established and regular meetings with representatives of industries have been conducted</li> </ul>
Suggested Training programs at Skill Development Program (APSDC)	<ul style="list-style-type: none"> <li>New laboratories established by Siemens under APSSDC in the Institute and more than 1200 students are trained at these laboratories.</li> </ul>

\* Attach the Academic Calendar of the year as Annexure-1

2.15 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

IQAC has become an integral part of the strategic planning for institute.

Management of the institute is using IQAC reports in synchronizing the institute's resources and capabilities; along with SWOC analysis to build an environment in which students and faculty would achieve their goals.

Based on the need, IQAC is also putting forward its suggestions actively, to comply with various regulating bodies directives in academic and administrative assessments and a few of them were as listed below :

Management has decided to have visibility of out come for IQAC suggestaions and that plan was suggested as mentioned below

- Audits were conducted across all departments
- A plan was mooted to encourage faculty for writing scoups indexed papers
- For implimenting modern teaching and learning processes and teaching skills faculty were deputed to IIT Madras under two phases
- Skill centers and centers of excellences are created and 3528 students were trained
- Roped in with best Academey to trian 50 students from each branch to GATE

## 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	-	-	-	-
PG	10	-	10	-
UG	07	-	07	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	17	-	17	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	17
Trimester	-
Annual	-

- 1.3 Feedback from stakeholders\*  
 (On all aspects)

Alumni  Parents  Employers  Students   
 Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure-02*

[https://docs.google.com/forms/d/e/1FAIpQLSfrozKIKMtSj6aQY8Xj\\_EIZfxTb9l7grxn3MIHvZdZD-BIIDw/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfrozKIKMtSj6aQY8Xj_EIZfxTb9l7grxn3MIHvZdZD-BIIDw/viewform)



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

The University provided academic autonomy to the Institute to revise or update existing curricula to incorporate latest knowledge development. On an average regular curricula revision and up gradation takes place at the interval of every 3 years. The Board of Studies (BOS) of the concerned department consists of all the teaching staff and external members from national institutes and industries.  
Introduced MOOCs, Gap Year, CBCS, Open electives.  
Question paper pattern is revised to address higher order and lower order thinking skills

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

1. SIEMENS Software Authorized Training Centre has been established in Mechanical Engineering Department, in collaboration with SIEMENS industry software Pvt. Ltd., India and Andhra Pradesh State Skill Development Corporation. (APSSDC-TSDI).
2. SIEMENS R & AC Lab
3. Domestic Electronics Lab
4. Industrial Electronics Lab
5. Employability skill centre
6. Virtusa Centre of Excellence
7. Students Chapter of Space Society of Mechanical Engineers, with GIET as Institutional member has been established and the updates from the society has been made available to all the students through Library.
8. Dassaults systems lab and center of excellence
9. Aveva center of excellence

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	257	197	36	24	00

2.2 No. of permanent faculty with Ph.D. 24

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Assistant Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	46	21	17	1	5	00	0	0	68	22

2.4 No. of Guest and Visiting faculty and Temporary faculty 07 0 1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International Level	National Level	State Level
Attended Seminars / Workshops	0	0	0
Presented papers	11	3	0
Resource Persons	0	0	0

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

- Learning through design competitions and Hackathons and Field Visits and industrial visits.
- Participation by students and faculty in the University Innovation Fellows Programme of Stanford University, supported by GOOGLE and APSSDC and proposing Innogen Programme by the GIET students in bringing the change in educational system.
- Student centric learning through extensive use of ICT like NPTEL-VIRTUAL LABS
- Blending learning with e-resources through 24X7 available free access to Cyber Library.
- Adopting APSSDC Skill development Programmes in the Time-Table and providing day to day training to students on programmes like Revit, Solid Edge, Solid Works, etc...
- Concretization and Enrichment of learning experiences through mandatory assignments, seminar presentations and project work.
- 'Project Expo Programme' for the students being continued to bring-out the inherent knowledge of the students on New Product Development.
- Fostering the culture of knowledge acquisition through wider self-exposure to latest knowledge through the library and the subscribed books and journals.
- Ensuring continuous updating of teacher competencies through a strong policy and encouraging faculty to visit institutes of national importance IITs, NITs and World's Top Foreign Universities viz., Harvard, MIT, Stanford, UC-Berkeley and University of Oklahoma, Tennessee Technical University, USA.
- Lecture material is prepared incorporating the audio visual material. Many such lecture outlines are also given to the students as reading material and LCDs are used in all the class rooms for teaching.
- HOD periodically monitors teacher's diary, lesson plans and suggests corrective measures if needed.
- Design based experiments and project works are given to the students.
- Creating additional experiments in laboratory beyond syllabus.



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

192

2.8 Examination/ Evaluation Reforms initiated by the Institution

- The Institution has a Standing Committee on Examination Reforms which meets periodically to review the examination system.
- Formative and summative evaluation is planned well in advance.
- Examination pattern is being changed to ensure comprehensive learning with the approval of BOS, Academic Council and Governing Body of the institute.

Some of the other noteworthy reforms in examinations:-

- Computerization of mark sheet printing, enrolment registers.
- Photographs are also captured and put in database at the time of enrolment.
- Preparation of basic database of students.
- Proper upkeep of permanent record introduced.
- Provision for revaluation/personal verification by student is available ,if required
- Bar Coding

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

Total= 183

2.10 Average percentage of attendance of students

83

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total No. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B. Tech Civil Engg.	84	27	20	16	Nil	63
B. Tech EEE	137	24	44	5	Nil	73
B. Tech Mech. Engg.	120	33	36	20	Nil	89
B. Tech ECE	136	22	36	17	NIL	75
B. Tech CSE	114	27	45	13	Nil	85
B.TECH. AME	26	4	27	Nil	Nil	31
B.Tech. Mining Engg.	67	33	21	Nil	Nil	54
MBA	89	53	16	Nil	Nil	69
MCA	31	23	61	4	Nil	88



Title of the Programme	Total No. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Tech. Structures	28	32	35	Nil	Nil	67
M.Tech. Power Systems	17	41	35	Nil	Nil	76
M.Tech. CAD/CAM	10	20	Nil	Nil	Nil	20
M.Tech. Therm. Engg	17	23	Nil	Nil	Nil	23
M.Tech. VLSI	18	84	Nil	Nil	Nil	84
M.Tech. DECS	18	17	Nil	Nil	Nil	17
M.Tech. SE	0	0	0	0	0	0
M.Tech. CSE	13	39	Nil	Nil	Nil	39

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

- Faculty Course Assessment Reports prepared by every faculty member are perused.
- Program outcome attainment reported by Head of the Department is reviewed.
- Program educational objective attainment is obtained by direct and indirect methods.
- Training need analysis is conducted every semester.
- Periodic Departmental audits were conducted.
- Course file of individual faculty member containing Syllabus, Timetable, Lesson plan, Question and Answer Bank, Study Material, Assignments, , Result Analysis are evaluated by Head of the Department and the report is submitted to IQAC Through Principal
- Identifies the new methods of teaching adopted by the faculty and shares the same among the other faculty
- Pre-placement training is provided and number of on and off campus placements are arranged.
- Number of funded research projects, both in-house and external, being carried out.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	09
UGC – Faculty Improvement Programme	28
HRD programmes	01
Orientation programmes	01
Faculty exchange programme	10
Staff training conducted by the university	08
Staff training conducted by other institutions	19
Summer / Winter schools, Workshops, etc.	24
Others	15

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	53	--	--	--
Technical Staff	47	--	--	--

## Criterion – III

### 3. Research, Consultancy and Extension

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

- Faculty are encouraged by providing incentives for registering Ph.D Programme, research papers publications in reputed journals.
- Addressing about various research schemes through Research and Development cell to seek research grants from AICTE/DRDO, DST/UGC and other funding agencies to implement minor and major research projects
- Establishing linkages with institution / organizations for training and Research & Development.
- Form Research forums to impart the knowledge on emerging and thrust areas in the field of Science and Technology.
- Conduct motivational programs to promote research culture within the campus, the institute invites young scientists and researchers from reputed institutes.
- To see that results of research lead to publications/patenting/product generation

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	7
Outlay in Rs. Lakhs	--	--	--	8221096

#### 3.3 Details regarding Minor Projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	---	-	-
Outlay in Rs. Lakhs	--	--	-	-

#### 3.4 Details on Research Publications

	International	National	Others
Peer Review Journals	32	11	NIL
Non-Peer Review Journals	24	11	--
e-Journals	81	10	--
Conference proceedings	17	12	--

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS



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	03	Chaitanya Infra --	25,00,000/-	23,43,000/-
Minor Projects	02	-	16,00,000/-	15,81,096/-
Interdisciplinary Projects	02	KIMS --	14,00,000/-	13,05,000/-
Industry sponsored	01	Aparna Tiles ADB Raod, Kakinada	12,00,000/-	10,65,000/-
Projects sponsored by the University/ College	01	GSL Medical College, KIMS Medical College,	9,80,000/-	8,97,000/-
Students Research Projects (other than compulsory by the University)	02	Self	9,40,000/-	8,90,000/-
Any other(Specify)	--	--	--	--
Total	--	--	86,20,000/-	80,81,096/-

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books   
 ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	2	--	--	--
Sponsoring agencies	--	Dream Step software Solutions, Rajahmundry	--	--	--

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

07

3.13 No. of collaborations

International 3

National 2

Any other -

3.14 No. of linkages created during this year

4

3.15 Total budget for research for current year in lakhs:

From funding agency

--

From Management of University/College

2.5

Total

2.5

3.16 No. of patents received this year

Type of Patent	Number	
	Applied	--
National	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

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
--	--	--	--	--	--	--

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

3

5

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

2

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

IPF

--

SRF

--

Project Fellows

2

Any other

--

3.21 No. of students Participated in NSS events:

University level

850

State level

25

National level

--

International level

--

3.22 No. of students participated in NCC events:

University level

--

State level

--

National level

--

International level

--



3.23 No. of Awards won in NSS:

University level	<input type="text" value="1"/>	State level	<input type="text" value="1"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="--"/>	State level	<input type="text" value="--"/>
National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="--"/>	College forum	<input type="text" value="13"/>		
NCC	<input type="text" value="--"/>	NSS	<input type="text" value="38"/>	Any other	<input type="text" value="--"/>

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

- Workshop on personal development program
- Anti-Ragging awareness program
- SC, ST student Entrepreneur awareness program
- Teachers day celebrations
- Awareness program on Civil services
- Swamy Vivekanda Jayanthi.
- World Students' Day
- Engineers' Day
- Passport mela
- Parents Meet
- NSS Foundation Day
- Awareness day against AIDS
- Cashless Transactions Awareness Programme for the Villagers
- Rashtriya Ekta Diwas - Sardar Vallabhbhai Patel Jayanti
- Neeru-Chettu Programme
- Awareness campaign against child marriage
- Vanam-Manam Programme
- Skill Development for the Local Youth
- State Skill Development Program
- Blood Donation Camp
- National Voters Day
- National Youth Day
- Open Defecation Free Survey
- International Day of Yoga
- Meditation camp
- Raised the funds for orphans and old age homes
- Awareness talk on usage of Plastics.
- Awareness rally on electoral registration.

## 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	Ac 27.63 Cts.	--	Self	Ac 27.63 Cts.
Class rooms (square meters)	UG 4826 PG 756 MBA 178 MCA 250		Self	UG 4826 PG 756 MBA 178 MCA 250
Laboratories (square meters)	UG, PG 10425		Self	UG, PG 10425
Seminar Halls (square meters)	UG, PG 1550 MBA 132  MCA 132		Self	UG, PG 1550 MBA 132  MCA 132
No. of important equipments purchased (≥ 1-0 lakh) during the current year	--	4	Self	4
Value of the equipment purchased during the year (Rs. in Lakhs)		53 Lakhs	Self	53 Lakhs
Others				

#### 4.2 Computerization of administration and library

- Use of WISIS software in library.
- Use of computers and data storage in all administration & library sections.
- Use of Tally software for account maintenance.
- Library has computerized. Issue & Collection through BAR Code System.
- BIES software is used for Examination section
- SARA software for institute automation
- Use of Wire-less Bar-Coder for Library
- Computerized Book Bank facility for the Students
- Attendance Shortage Notices to Parents.
- Fees for courses along with Due Dates & Fines.
- Fee Reminders to Parents
- SMS to Parents, Staff & Students.
- Bills/Attendance & Fee Dues through SMS to Parents.
- Correspondence via Email/Letters with Parents.
- Bulk SMS to Parents/Students during Admissions.
- Internet Facility: Internet facility can be accessed both by students and staff members during the working hours of all working days and holidays at free of cost.
- Wi-Fi facility for the Library.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	62,099	18,634,271	3,627	1,773,963	65,726	20,408,234
Reference Books	2,062	824,800	154	77,084	2,216	901,884
e-Books	2,641	0	218	0	2,859	0
Journals	131	349,935	0	0	131	349,935
e-Journals	412	0	761	156,350	1,173	156,350
Digital Database	DELNet , NPTEL	66,000	0	0	0	66,000
CD & Video	276	--	0	0	0	0
Others (Specify)	--	--	0	0	0	0

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	768	10	200 Mbps	2	03	24	711	30
Added	247	2	--	2	2	5	60	35
Total	1,015	12	200 Mbps	4	5	29	771	65

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

- Adequate computer access to faculty / staff / students
- Training to faculty / staff / students on ICT
- Wi-Fi enabled campus
- Campus Management System, online student feedback system, Hosteller gate pass issue system and campus surveillance system.

#### 4.6 Amount spent on maintenance in lakhs:

i) ICT	12.70
ii) Campus Infrastructure and facilities	16.20
iii) Equipments	12.22
iv) Others	15.20
<b>Total:</b>	<b>56.34</b>



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Training & Placement assistance through alumni.
- GATE coaching
- Bridge courses and student counselling
- Health centre facility
- Scholarship for academically excellent & financially poor students
- Grievance Redressal Cell
- Arrangement of Industrial visit to enhance practical knowledge.
- Every department conducts an induction programme for two days during the beginning of every semester
- The College has several support services and general facilities for students like canteen, Library and Sick Room, Placement Cell, Hostels, Games and Sports, Transportation, Health care, Computer Centres, NSS, NCC etc.
- Orientation Programme is conducted for 1st year B.Tech Students
- Monitoring and Supporting for the effective functions of students association in each department
- Enable induction programmes for students to get awareness about the resources and career opportunities.
- Displaying the information on the college notice boards and website.

#### 5.2 Efforts made by the institution for tracking the progression

- Conducting career development programmes for students.
- Following transparent admission procedure.
- Highlighting achievements of students in college newsletter.
- Making college bus facility available for field visits.
- Arranging parents meet and informing them on the progress of their children.
- A mentor is allocated for a batch of 20 students in each programme to monitor and counsel the students' progress in academic as well as extra-curricular activities
- Gathering the information from the Alumni about their current position and promotions if any along with future plans.
- Monitoring the success of students in competitive examinations and number of students going for higher studies and providing additional in-house coaching from the competitive examinations point of view.
- Reviewing the year-wise placements and pay packages of students and arranging required pre-placement training in-house to enhance the number of placements.

5.3 (a) Total Number of student's

UG	PG	Ph.D.	TOTAL
3120	408	--	3528

(b) No. of students outside the state

546

(c) No. of international students

399

Men	No	%	Women	No	%
	1875	53.14		1653	46.86

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1484	384	35	1267	--	3066	1870	387	67	1204	-	3528

Demand ratio : 95.9

Dropout % : 0.2

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

- Curriculum itself covers the syllabus contents of competitive examinations.
- Examination pattern includes MCQs
- Training on aptitude / quantitative / communication aspects through mandatory personality development courses embedded in the curriculum.
- Intensive and periodic coaching in English language and communication skills, quantitative and analytical aptitude training sessions to help students with exams like GRE, TOEFL and CAT.
- Institute provided GATE coaching through experts in the College Campus for the students from third semester onwards.
- Cambridge English Certificate Program
- Books and study materials are available in library to cater the needs of GATE/CAT/MAT etc., examinations.
- Reviewing concerns expressed by the students during counselling in HODs meeting.

No. of students beneficiaries

560

5.5 No. of students qualified in these examinations

NET	--	SET/SLET	--	GATE	23	CAT	--
IAS/IPS etc	--	State PSC	--	UPSC	--	Others	25



#### 5.6 Details of student counselling and career guidance

- Counselling and career guidance programs to promote the personal, social, educational, and career development of students
- Student mentor system to counsel and guide the students.
- Faculty Counsellor is appointed for every 20 students
- The strength and weakness of each student is identified through counselling.
- Students are given guidance to use their strength and overcome the weakness.
- Career guidance cell functions to tap the potentiality in students which help them to take up the profession of their interest.
- Technical orientation programme for I year students.
- Aptitude Training Programme to enhance the problem-solving skills of students
- GATE coaching for student's higher studies
- Interaction with Alumni is arranged for final and pre-final year students.
- Effective functions of EDC in bring out the latent entrepreneurial thoughts from students and make it as Business Proposal for their Career development.

No. of students benefitted

3528

#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
25	609	477	53

#### 5.8 Details of gender sensitization programmes

Gender specific programs are conducted periodically to sensitize and empower with an objective to create awareness regarding complementary nature of Genders. Women Grievances Redressal Cell is active and it functions separately for the welfare of the girl students and lady faculty and staff.

Relevant programmes being conducted to enrich the capabilities and keen understanding of the girl students regarding various aspects like Women Decision Making Power, Building Own identity, Vision of the Future, Women in Politics - Change Makers in Global Scenario, Socio-Political Challenges in Women Empowerment respectively.



## 5.9 Students Activities

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

State/ University level  National level  International level

### No. of students participated in cultural events

State/ University level  National level  International level

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

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of Students	Amount
Financial support from institution	162	9,325,850/-
Financial support from government	2,335	99,102,222/-
Financial support from other sources	--	--
Number of students who received International / National recognitions	--	--

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

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

Internet Speed is low – Bandwidth is increased (200 mbps)

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

VISION: To evolve and emerge into a premier and the most preferred educational institute at every level of academic pursuit across the country.

MISSION: To foster human excellence imbued with integrity, loyalty and the spirit of service to mankind through quality education steeped in Indian ethos & values.

#### 6.2 Does the Institution has a management Information System

YES,

The institution has an MIS of its own for the smooth functioning of the Institute which is intended to manage general administration, examinations, student attendance and other continuous mandatory evaluation processes.

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

##### 6.3.1 Curriculum Development

- Curriculum was revised periodically, based on feedback from stakeholders and peers, BoS, Academic Council and Governing Council.
- Introduced self-learning courses
- Industry internships
- Appointing industry personal and alumni as members of board of studio
- Involving academicians from various reputed institutes in the design and development of curriculum.
- Gathers the contents to be incorporated on cutting edge technologies and forecasting the future needs of the industry.

##### 6.3.2 Teaching and Learning

Implementation of Outcome Based Education.

- Defining course outcomes to meet programme outcomes.
- Identifying content delivery method.
- MOOCs
- Virtual Labs
- Guest lecturers
- Field trips and lab lectures.
- Mentoring
- Tutorial teaching
- Mapping student outcomes / Instructional objectives and programme
- Educational objectives
- Uploading lesson plan / Question paper keys
- Use of internet, PPT presentation during class room teaching/ Promoting the usage of ICT.
- Involving fast learners in research activities
- Preparation of Institution Academic Calendar, Department Academic Calendar, Course plan for each courses in all departments and Lesson plan for each courses
- Lecture notes preparation & presentation to the students



### 6.3.3 Examination and Evaluation

All components in any programme of study are evaluated continuously through internal evaluation and an external evaluation. Internal evaluation is done throughout Semester in the form of mid examinations and assignments. External evaluation is done at the end of Semester in the form of end examination.

- Question paper setters and Evaluation of answer scripts will be done by the external examiners.
- The method of evaluation involves coding & decoding of answer scripts to ensure unbiased evaluation. Evaluation process is transparent. Institute communicates the outcome of the evaluation by publishing results on the internet through Institute website.
- Students are permitted to request for recounting/ revaluation of the end theory examination answer scripts within a stipulated period after announcement of the results.
- Audit for question paper quality assurance.
- Projects are evaluated by a committee at the department level.
- The evaluation process follow SGPA and CGPA methods of scoring on a ten-point scale as per affiliating University / UGC guide lines

### 6.3.4 Research and Development

Separate Research & Development cell is initiated through Dean R&D

- Research committee has been constituted for inculcating research atmosphere and to review the progress of research activities in the campus in order to give support in the form of guidance to get the funding for applied projects
- Incentives for research publications and research projects are provided.
- Funded projects by Industries / Government departments
- Publication in peer reviewed, refereed, web of science and SCI journals
- Incentives for faculty for publishing quality papers / getting funded projects
- Sponsorship to present papers in / attend international / national conferences.
- Encouraging faculty for applying patents
- Conducting awareness programs by experts from funding agencies such as BRNS/ISRO/UGC/DST
- Study leaves to faculty pursuing research
- Sponsoring faculty for Ph.D through Quality Improvement Programmes(QIPs)
- Appending/Upgrading infrastructural facilities for research and development to augment postgraduate and doctoral level studies.
- Faculty engagement in taking real time industry oriented research projects.
- Allocation of a separate budget for in-house R&D.
- Subscribing to standard e-journals and providing the required resources like internet, digital learning materials, PCs, software, etc. to carryout research.
- Four departments viz. OMS, ME, ECE & CSE were successful in getting recognition as Research Centres by the affiliating university.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

- Fully automated, well stocked, central library
- Student records / attendance / internal marks / Fee payments / fully computerised.
- Correspondence through e-mails
- Wi-Fi enabled campus
- WISIS has subscription of online journals of IEEE, IASPP, ASME, ASCE, SPRINGER, ELSEVIER (Science Direct), MC GRAW HILL (Access Engineering Library), IASIM, J-GATE (Engineering and Technology) and DELNET.
- Digital library is equipped with 01 systems to facilitate e-learning.
- Establishment of labs in collaboration with SIEMENS - APSSDC.
- Establishment of Smart Class Rooms



### 6.3.6 Human Resource Management

- Effective appraisal system has been followed to assess the performance of faculty.
- Organization of in-house faculty development programmes.
- Transparent policies and procedures for welfare of the employees, well defined internal promotion policy for career advancement.
- Maintaining faculty-student ratio as per the norms.
- Training programs for skill development and personality development of employees.
- Well defined organogram and resource management -SARA
- Decentralization of administrative powers
- Career guidance support by senior faculty member for junior faculty member
- Welfare Schemes are available for the faculty member in the campus like EPF, Group Insurance, Medical leave, Academic Leave etc.,
- Free transportation for all faculty members
- Biometric Attendance system is practiced for all faculty members in the institution

### 6.3.7 Faculty and Staff recruitment

Faculty and staff recruitment is done through robust mechanism i.e open advertisement followed by a interview with the selection board consisting of management members, principal, Deans, respective HODs and subject experts.

- Online submission of resume
  - Scrutinizing of application as per the institute (AICTE/UGC/Affiliating University) norms.
  - Conducting Interviews in the presence of external experts and university nominees.
  - Ratification of Faculty position by the affiliating university
- Selection of candidates as per the norms of staff selection committee.

### 6.3.8 Industry Interaction / Collaboration

- A dedicated Industry- Institute Interaction Cell (IIIC).
- Collaborative MoUs with academia and industry
- Guest lectures are being conducted for faculty and students with industry experts

### 6.3.9 Admission of Students

Admissions of students are made as per the Norms of Convenor, EAMCET- AP state Government including management quota.

Highlighting infrastructural facilities, faculty, placements and achievements of the college through advertisements, brochures and website from time to time.

Promotional incentives for quality admissions viz. Tuition and hostel fee concessions.

6.4 Welfare schemes for

Teaching	Transport Facilities, Medical and Maternity Leave, Medical checkups are provided.
Non teaching	Transport Facilities, Medical and Maternity Leave, Medical checkups, free computer training, free uniform and shoes are provided.
Students	Scholarships to poor and meritorious students, gold medals to the toppers of all branches, Dispensary in institute campus for medical needs. Selected students are sponsored for University Innovation Fellows (UIF) travel abroad and other programs.

6.5 Total corpus fund generated: Rs.1,35,69,842/-

6.6 Whether annual financial audit has been done Yes  No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	--	Yes	Principal
Administrative	No	--	Yes	Principal

6.8 Does the University / Autonomous College declares 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?

- Automatic generation of Hall tickets and student specific OMR sheets.
- Examiners for lab end examinations are from other colleges and universities.
- Evaluation process involves coding & decoding of answer scripts.
- Recounting and revaluation facility is provided to student.
- Examination Section is fully automated for speedy processing and accessing the information.



6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

University nominees are helping the Board of Studies (BoS) and Academic Council (AC) in framing and implementing the syllabi and academic regulations for continuous quality improvement. Setting the guidelines for academic and administrative audit.

6.11 Activities and support from the Alumni Association

- An alumni meeting is conducted every year. They regularly interact with the students to create awareness about an industry environment.
- Guest lecturers are also arranged through alumni.
- Suggests the quality improvement programs to be undertaken by the institute through its member of the Governing Body.
- Alumni assist in placement activity by giving references to Training & Placement Officer.
- Alumni chapter meet at regular intervals at different locations
- Support start-ups & student projects
- Alma matter is connected to the institute through separate alumni portal for their regular updation of the institute achievements.

6.12 Activities and support from the Parent – Teacher Association

- Parents meet is conducted twice in a year.
- Suggestions / feedback will be collected from the parents for the overall improvement of the institution.
- The difficulties faced by the students are obtained and they are rectified before the next meeting.

6.13 Development programmes for support staff

- Incentives for Higher Studies
- Absorption into teaching cadre once they acquire requisite qualification and if found suitable
- Language, Technical and Behavioural skills Training



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

- The College has a green campus and peace ambience with sylvan surroundings
- Campus is completely pollution free
- New saplings are planted regularly and enough care is taken for maintaining eco-friendly campus
- Minimizing Water Wastage
- Rainwater Harvesting
- Smoke free campus
- Solar power plant is established.
- Continued use of Battery Operated buggy and bicycles for various visiting dignitaries, Faculty and Parents for attaining Carbon Neutrality.
- Participation in Neeru-Chettu Programme of AP Government Initiative and encouraged students participation in planting new saplings with owner-ship.
- Classrooms are constructed with sufficient cross ventilation and light so that the use of electricity is minimized. LED lamps are used in place of incandescent bulbs where ever possible.
- Hazardous Waste Management and E-waste management drives are being practised
- Sprinkler system is used for Greenery and Lawns
- Swachh bharat program is being observed unabatedly with true letter and spirit.



## 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.

- Introduced quality improvement program for faculty and non-teaching staff through industrial experts for practical exposure.
- Established Virtusa – Polaris centre of excellence.
- Final year projects were mentored by international experts.
- Provide the required guidance to the faculty members in preparing the learning resources, course files, innovative assignments to write learning outcomes in subjects following Bloom's Taxonomy, etc.
- Encouragement of students for internship during summer vacation.
- Subscribing to technical magazines, journals of high repute and proceedings and by subscribing for membership in DELNET and subscribing for all journals prescribed by AICTE for effective knowledge sharing.
- Encouragement and Motivation of the faculty to submit proposals for sanction of research grants from National funding agencies.
- Students and staff are encouraged to register online courses.
- Introduced use of ICT in teaching and learning process.
- Provision of Health assistance, wheel chair availability for the physically challenged in the institute premises.
- Every building is enabled with Fire safety equipment, fire extinguishers and first - aid kits covering entire floor area.
- One week intensive orientation programme for faculty at IIT Madras, Chennai is organized.

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

IQAC planned the objectives for current year (2017-18) and its progress was monitored through action taken report from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required.

7.3 Give two Best Practices of the institution

- Placement Cell and Student Counselling for holistic development of Students.
- Faculty Forum to inculcate the spirit of progressive career growth.
- Ensuring continuous updating of teacher competencies through a strong policy and deputing faculty to visit institutes of national importance IITs, NITs and World's Top Foreign Universities viz., Harvard, MIT, Stanford, UC-Berkeley and University of Oklahoma, Tennessee Technical University, USA.
- Green measures: Bicycles and Electric vehicles for internal transport, energy load sharing by roof top solar PV system, water harvesting are a few to list.



#### 7.4 Contribution to environmental awareness / protection

- Plantation programme has been taken up by the NSS unit for increasing the green cover in the campus to offset Carbon Foot Prints.
- Care is taken to restrict vehicle entry into the campus and specific parking area is allotted for faculty and students.
- Bicycles are provided for local mobility in the campus.
- The institute restricted/minimised the usage of plastic bags in the campus.
- Environment Day is Celebrated on 05-06-2016 by involving students in various competitions.
- Conducting environmental awareness workshops/ seminars by inviting the experts.
- Environmental Science is offered as a compulsory subject.
- Institute with lush green campus has variety of trees, plants and lawns. The campus greenery is well maintained by using modern equipment like sprinklers, drip irrigation, lawn movers, weed cutters etc.

7.5 Whether environmental audit was conducted? Yes  No

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

- **Strengths:**

1. Continuous development in infrastructure facilities for meeting the quality policy of the institute
2. Autonomy, permanent affiliation, NBA accreditation, NAAC one cycle, ISO 9000 certification, UGC Section 2(f) and 12(B) recognition
3. Involves all the stakeholders in the administration
4. Ensuring better scope for personality development of the students with the amenities required for and beyond academics
5. Committed and qualified staff
6. Uncompromising Institutional Social Responsibility (ISR) activities
7. Very good placement record
8. Modern laboratories such as the Siemens Lab, R. & A/C Lab, Advanced Robotics Lab, etc.
9. Increasing the connectivity of the institute by striking as many MoUs as possible with Industry partners and other institutions.

- **Weaknesses:**

1. Lack of eminent experts in some courses
2. Faculty members need to be trained in administrative skills.
3. Support from the affiliating university is limited in extending placements
4. Many students hail from rural background and have limited skills for undertaking professional course.

- **Opportunities:**

1. Huge employment and consultancy opportunities owing to the industries in the vicinity.
2. Apt location for an educational institution, being in an educational hub.
3. Availability of land for future expansion.
4. Internships from the industry partners

- **Threats:**

1. Proliferation of colleges and institutes is resulting in unhealthy competition
2. Great difficulty in recruiting senior faculty in the professor cadre due to scarcity.
3. Balancing financial needs in the face of delays of releasing Post Matric Scholarships by the Government.
4. Delay in admissions process by government.
5. Tuition fee fixation is not dynamic enough to meet the growing needs.
6. Retaining the senior faculty is becoming difficult.



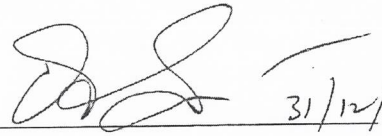


## 8. Plans of institution for next year

- Getting all UG and PG programs Accreditation by 2017-18
- Faculties shall be encouraged to involve in R&D and Consultancy activities.
- Faculties shall be encouraged to participate more in the National / International Conferences, Workshops and Seminars etc.
- Becoming a Centre of Excellence for Technical Education and Research.
- Faculties shall be encouraged to pursue higher studies.
- To complete the pending infrastructural works in the campus.
- To enhance the job opportunity by attracting more good companies
- Uplifting the sports ground and facilities for sports and games.
- Beautification of the college campus by planting, decorative and ornamental plants to create good ambience.
- Strengthening of ICT enabled services with networking and computing facilities.
- Construction of Hostels for International students.
- Establishment of Gas Testing centre.
- Establishment of Vehicle testing centre.
- Initiating the overall betterment of the nearby villages by organizing knowledge / awareness programs in the Socio-Economic Spheres.
- To apply for National Board of Accreditation(NBA)Status for all eligible departments
- To setup incubation centres
- More focus on EDC activities and bring bare minimum entrepreneurs from the graduates.
- To submit for more number of proposals to fetch grants from various agencies
- Evolve a class room delivery format that promotes a learner centric environment
- Evolve new assessment tools for measuring the attainment of outcomes
- Promote digital learning to support learner centric environment
- Enhance Industry engagement

Name Dr. T. Jayananda Kumar

Name Dr. T. V. Prasad



31/12/2018

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

PRINCIPAL

Godavari Institute of  
Engineering & Technology

NH-16, Chaitanya Knowledge City,  
RAJAHMUNDRY

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### LIST OF ANNEXURES

Annexure 1

- Academic Calendar for the A.Y. 2017-18

Annexure-2

- Feed back by the Stakeholders

