The Annual Quality Assurance Report (AQAR) of the IQAC
1st June 2017-31st May 2018

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

> SRI VASAVI ENGINEERING COLLEGE

1.2 Address Line 1

> PEDATADEPALLI

Address Line 2

>

City/Town

> TADEPALLIGUDEM

State

> ANDHRA PRADESH

Pin Code

> 534101

Institution e-mail address

> principal@srivasaviengg.ac.in

Contact Nos.

> 08818-284355

Name of the Head of the Institution:

> Dr.GUDURU V.N.S.R.RATNAKARA RAO

Tel. No. with STD Code:

> 08818-284355

Mobile:

> 9490799102

Name of the IQAC Co-ordinator:

Dr. J. SRIHARIRAO

Mobile:

9491520201

IQAC e-mail address:

Svec.iqac@gmail.com

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

APCOGN24512

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)

EC(SC)/12/A&A/12.1

1.5 Website address:

www.srivasaviengg.ac.in

Web-link of the AQAR:

http://www.srivasaviengg.c.in/IQAC/SVEC-AQAR-2017-18.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	'A' (NAAC)	3.18	2016	Up to 2021
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY: 07/09/2015

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 2010-11submitted to NAAC on 12-10-2011)*

AQAR 2016-17 submitted to NAAC on (20/11/2017)

1.10 Institutional Status

University: N/A   State ☐ Central ☐ Deemed ☐ Private ✓

Affiliated College   Yes ✓   No ☐

Constituent College   Yes ☐   No ☑

Autonomous college of UGC*   Yes ☑   No ☐

 * The college is granted UGC Autonomy w. e. f. academic year 2018-19.

Regulatory Agency approved Institution   Yes │ AICTE │   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)*   │ JNTUK, Kakinada │

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

   Autonomy by State/Central Govt. / University   │ N/A │   │ - │

   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

| 09 |

2.2 No. of Administrative/Technical staff

| 01 |

2.3 No. of students

| 01 |

2.4 No. of Management representatives

| 01 |

2.5 No. of Alumni

| - |

2. 6 No. of any other stakeholder and

community representatives

| 01 |

2.7 No. of Employers/ Industrialists

| - |

2.8 No. of other External Experts

| 01 |

2.9 Total No. of members

| 14 |

2.10 No. of IQAC meetings held: | 3 | (in 2017-'18)

2.11 No. of meetings with various stakeholders: No. | 3 | Faculty | 2 |

Non-Teaching Staff Students | 01 | Alumni | - | Others | - |

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

If yes, mention the amount | N/A |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 3 | International | - | National | - | State [ ]   Institution Level | 3 |

   (ii) Themes | Outcome Based Education |

2.14 Significant Activities and contributions made by IQAC

Scope of the Activities of IQAC:

- **Review of**:
  Result analysis – Measures to be taken for improvement
- **Organizing:**
  - ➢ FDPs at college level.
  - ➢ Pedagogy training at college level
  - ➢ Guest lectures at college level
  - ➢ Staff development Activities
- SWOC Analysis
- Data collection & data maintenance
- Preparation of AQAR
- Disbursement of:
  Best outgoing student Award
  Endowment Awards
  Merit scholarships
  Honors/awards/incentives to faculty/staff.
- Implementation of:
  Best Practices;
  Academic/Non academic reforms
- Monitoring of college website
- Suggesting Bench marks
- Creation of Learner Centric Environment
- Arranging Academic Audit
- Any other activity that enhances the quality of Teaching – Learning process.

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
• To felicitate employees with long standing in the college to increase their morale.	• 12 faculty and 8 Non-teaching staff were felicitated for serving the college for the last 10 years or more.
• To award all rounder Gold Medal to enhance student participation in Co-curricular and extra-curricular activities.	• Applications from the outgoing students were invited in the month of March and Ms.Alluri Sai Sindhu of ECE has been adjudged as the Best Out going UG student.
• To award Roll of Honour Gold Medals.	• Gold Medal was awarded to the topper of each branch of B.Tech. program.
• To form hobby clubs to motivate and bring out the hidden talents in the students	• 3 hobby clubs namely AV club, Technical Club & Orators Club were formed.

• To conduct workshops on latest technologies for students	• Training programs on:
	  i. IoT certification was conducted, 29 students participated
	  ii. CM's skills excellence centre was granted to the college. Training programs will be conducted in association with APSSDC.
	  iii. 28 guest lectures were delivered by experts from Industry and Higher Technical Institutions.
	  iv. About 63 students attended internships of varying durations.

• To obtain accreditation by NBA for all eligible U.G courses.	• 3 U.G programmes namely, B.Tech in
	  i. Computer Science and Engineering
	  ii. Electrical and Electronics Engineering
	  iii. Mechanical Engineering were accredited by NBA for 3 years from the academic year 2018-19.

• To obtain Academic Autonomy immediately	• The college received autonomy for 10 years w.e.f 2018-19
• To conduct college level function to bid farewell to all outgoing students	• SAYANORA-2K18 was conducted on 31-03-2018
• To monitor the college website	• College website presentation was improved & updated.
• MIS (Office Automation)	• Majority of the academic & administrative activities are carried out using the new office automation software ecap.

 * *Attach the Academic Calendar of the year as Annexure.*

2.16 Whether the AQAR was placed in statutory body   Yes [✓]   No [ ]

     Management [ ]   Syndicate [ ]   any other body [IQAC & CAC]

     Provide the details of the action taken

> Approved

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes (2017-18)

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	6		All the existing programmes are self-supporting.	
UG	5			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	11			

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: **Core/Elective option**

(ii) Pattern of programmes:

Pattern	No. of programmes
Semester	11
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni [✓]   Parents [✓]   Employers [✓]   Students [✓]
(On all aspects)

Mode of feedback   :   Online [✓] Manual [✓]   Co-operating schools (for PEI) [ ]

*Please provide an analysis of the feedback in the Annexure

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

> University revised the curriculum for the batch admitted in 2016. Grading system introduced in place of marks.
> Weighted average of the performance in both the MID examinations will be used for internal evaluation.
> The college is granted Autonomous status w.e.f 2018-19. Academic council with external members and Board of studies in each specialization with external members have been formed.

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

> Sphere Centre of Excellence for promoting R&D activity was established.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty
(2017-18)

Total	Asst. Professors	Associate Professors	Professors
232	190	30	12

2.2 No. of permanent faculty with Ph.D.

31

2.3 No. of Faculty Positions Recruited (R) and
Vacant (V) during the year (2017-18)

Asst. Professors		Associate Professors		Professors		Total	
R	V	R	V	R	V	R	V
20	-	-	-	-	-	-	-

2.4 No. of Adjunct faculty

02

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	16	2	
Presented papers	18	5	
Resource Persons		3	

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

- Use of PPTs wherever necessary.
- Hands on workshops on Robotics, Ethical hacking etc.,
- Class Review committee meetings, online feedback from students.
- Students' seminars & use of digital library.
- Internships during summer vacation.
- Industrial/Site Visits.
- Guest Lectures by experts.
- QEEE (IITM) live lecture, MOOCS programs.
- Project exhibitions.
- Interactive sessions with persons from industry.
- Funding from management for innovative student projects.
- Campus recruitment related training by professional agencies.
- BOSSMOOL Certification programs.
- Personality Development programs.

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

- Working days in the Academic year- 253
- 185 days of instruction + Examination days

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

As per JNTUK Norms

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

03 faculty members as BOS Members of other autonomous institutions

2.10 Average percentage of attendance of students

>75%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Number of students Passed	Division		
			Number of Students		
			Distinction	I Class	II Class
Civil	64	42 (65.62%)	24	17	1
EEE	99	79 (79.79%)	31	47	1
ME	115	70 (60.86%)	14	52	4
ECE	191	139 (72.77%)	70	62	7
CSE	168	122 (72.61%)	58	62	2
Overall	**637**	**452 (70.96%)**	**197 (43.58%)**	**240 (53.09%)**	**15 (3.31%)**

Performance of College Toppers:

Sl.No	Branch	Percentage of Marks obtained by Toppers			
		2018	2017	2016	2015
1.	CIVIL	84.58	84.93	81.88	82.89
2.	EEE	81.97	79.82	87.67	85.57
3.	MECH	85.09	78.98	81.3	79.69
4.	ECE	84.44	85.52	83.29	82.67
5.	CSE	82.33	82.47	78.51	85.91

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

- Motivating the departments to slowly transform into Learner Centric Education system.
- Initiated the idea of awarding Best out Going Student Gold Medal to motivate the students to participate in extra and co-circular activities for their overall personality development.
- Creating facilities for organizing online lectures like QEEE & MOOCS.
- Performing critical analysis of the results and suggesting corrective steps for improvement.
- Creation of data base for various activities and its updating.
- Monitoring and updating college website.

2.13 **Initiatives undertaken towards faculty development**

Faculty / Staff Development Programmes	Number of faculty benefitted
HRD programmes	-
Orientation/Pedagogy programmes	
Faculty exchange programme	-
Faculty Development Programs including Workshops at the College/Other Institutions	85
Conferences/Seminars etc.,	26
Others	-

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	**72**	-	**16**	-
Technical Staff	**44**	-	**9**	-

Criterion – III
3. Research, Consultancy and Extension

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

> The following policies are in Vogue:
> * Augmentation of labs with latest equipment & software.
> * Deputation of faculty to attend seminars/conferences.
> * Reimbursement of Registration fee and T.A/D.A.
> * Budget allocation for in house R&D.
> * Special leave for Ph.D related works.
> * Financial assistance to apply for patents
> * Incentives for publishing research papers in Scopus, SCI etc., journals.
> * Share in consultancy revenue generation.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number				3
Outlay in Rs. Lakhs				Rs. 32.0 Lakhs

3.3 Details regarding minor projects (Internal)

	Completed	Ongoing	Sanctioned	Submitted
Number	1			
Outlay in Rs. Lakhs	0.08			

3.4 Details on research publications

	International	National	Others
Peer Review Journals	41	1	
Non-Peer Review Journals	10	-	
e-Journals	8	-	
Conference proceedings	14	1	

3.5 Details on Impact factor of publications:

Range   0.1 to 7.01   Average   h-index 9   Nos. in SCOPUS 8

Others   12

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		No External Funding		
Minor Projects				

Interdisciplinary Projects	
Industry sponsored	
Projects sponsored by the University/ College	
Students research projects *(other than compulsory by the University)*	
Any other(Specify)	
Total	

3.7 No. of books published   i) With ISBN No. | 2 | Chapters in Edited Books | 12 |

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) | Seminar and Workshop grant form DST SERB |

3.10 Revenue generated through consultancy | Rs. 1,38,400 |

3.11 No. of conferences/Seminars organized by the Institution during the year (2017-18)

Level	International	National	State	University	College
Number		1			
Sponsoring agencies		DST			

3.12 No. of faculty served as experts, chairpersons or resource persons | 4 |

3.13 No. of collaborations   International | 1 | National | 2 | Any other | |

3.14 No. of linkages created during this year | 6 |

3.15 Total budget for research for current year in lakhs:

From funding agency | - | From Management of College | Rs 15.0 Lakh |

Total | Rs 15.0 Lakh |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	One
	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 | 6 |

       and students registered under them | 2 |

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

       No. faculty acquired Ph.D qualification during 2017-'18: | 4 |

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

         JRF | - | SRF | - | Project Fellows | - | Any other | - |

3.21   No. of students Participated in NSS events: Nil

                                University level [ ]   State level [ ]

                                National level [ ]   International level [ ]

3.22   No. of students participated in NCC events: Nil

                                University level [ ]   State level [ ]

                                National level [ ]   International level [ ]

3.23 No. of Awards won in NSS: N/A

                                University level [ ]   State level [ ]

                                National level [ ]   International level [ ]

3.24 No. of Awards won in NCC: N/A

                                University level [ ]   State level [ ]

                                National level [ ]   International level [ ]

3.25 No. of Extension activities organized

       University forum [ ]   College forum | Blood donation camp and other assistance by SAHAYA, LEE & YUVA teams | NSS [ ]

       NCC [ ]   Any other [ ]

3.26   Major Activities during the year in the sphere of extension activities and Institutional Social
       Responsibility
       - Blood Donation camp on 4/7/2016.
       - College Merit Scholarships given to 130 students.
       - Concessions in different forms to poor students.
       - Assistance to physically challenged etc., by "SAHAYA-Helping Hands" and "YUVA-Society Needs You" groups.
       - Providing accommodation to the temporary campus of NIT, AP.
       - Campus IT infrastructure used for conducting various online recruitment tests and also for training some of the government employees.

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	25.02 Acres	-	-	25.02 Acres
Number of Class rooms	63	6	Internal	69
Number of Laboratories	44	2	Internal	46
Number of Seminar Halls	6	-	Internal	6
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	15	Internal	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	91	Internal	-
Others Solar Power units (Rs. In lakhs)	100kW	100kW at a cost of Rs. 69 lakhs	Internal	-

4.2 Computerization of administration and library

- MIS is being implemented.
- Student data is computerized.
- Bio-metric attendance for employees.
- Fully automated library with:
    1. Computerized issue and return of library books.
    2. Online public access catalogue (OPAC)
    3. Recording of student entry and exit timings using ID card.

4.3 Library services:

	Existing (up to March 31, 2016)		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	29135	11223443.00	2197	1124993.00	31332	12348436.00
Reference Books	11713	4259107.00	856	535206.00	12569	4794313.00
e-Books(open source)	1300	---	50	---	1350	---
Journals	106	257625.00	(Renewal) 88	237501.00	88	237501.00
e-Journals IEEE (ASPP)	169	526746.00	(Renewal) 169	468540.00	169	468540.00
e-journals (ASME)	(JNTU K Consortium) 28	227498.00	(Renewal) 30	198565.00	30	198565.00
e-journals (ASCE)	(JNTU K Consortium) 36	273352.00	(Renewal) 35	238579.00	35	238579.00
Digital Database (Open Source)	D-Space					
CD & Video:						
Magazines	74	--	20	--	94	--
Text Books	2207	--	120	--	2327	--
Others(specify)						
Project Works	2448	--	340	--	2788	
Back Volumes	558	--	--	--	558	
NPTEL	929 (511 video courses+418 web courses)	--	--	--	929 (511 video courses +418 web courses)	--

4.4 Technology up gradation (overall)

| Existing | Total Computers | No. of Computers in | | | | | | Internet is accessible from all the systems |
		CSE Department	Other Departments	Digital Library	Computer Centre (1st Year Lab)	Office	Other (R&D labs)	
	867	282	393	69	63	44	16	
Added	45	-	25	-	-	-	20	
Total	912	282	418	69	63	44	36	

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

- Minimum four class rooms in each department and all seminar halls are equipped with LCD projectors and other accessories.
- All the computer systems in the college are connected to the internet with 135mbps speed.
- Campus is Wi-Fi enabled.

4.6 Amount spent on maintenance in lakhs:

i) ICT (Internet bandwidth)   **Rs. 7.46 Lakhs**

ii) Campus Infrastructure and facilities   **Rs.95.8 Lakhs**
    (Security, Water, Electricity, Telephone, Landscaping etc.,)

iii) Repair & Maintenance of Equipments   **Rs.16.83 Lakhs**

iv) others (Journals, E-resources,   **Rs.13.19 Lakhs**
    Advertisement)

                    Total :   **Rs.133.28 Lakhs**

Total Recurring expenditure including salaries**: 1630.00 Rs. in Lakhs**

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC proposed to establish Hobby Clubs.
- It encourages students to participate in QEEE and MOOCS lectures.
- It encourages students to learn using DIY methods & NPTEL lecture materials.
- Monitoring and updating college website.
- Training programs on personality development & GATE coaching etc.,
- The training section conducts periodic on-line tests to monitor the progress of the students with regard to their readiness for recruitment drives

5.2 Efforts made by the institution for tracking the progression

- Attendance monitoring, informing the parents and counselling the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2847	273	-	-

(b) No. of students outside the state

--

(c) No. of international students

--

No	%	Men
1848	59.23	

No	%	Women
1272	40.77	

Last Year (2016-17)						This Year (2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1907	243	4	961	-	3115	1877	261	4	978	-	3120

Demand ratio: N/A   Dropout %: <1%

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

> There is a training section to provide training on aptitude, communication skills & CRT related activities.
> Coaching for GATE by professionals like T.I.M.E.

No. of students beneficiaries

> About 700 students are benefited every year

5.5 No. of students/faculty qualified in these examinations

NET [   ]   SET/SLET [1]   GATE [   ]   CAT [   ]

IAS/IPS etc [   ]   State PSC [   ]   UPSC [   ]   Others [7]

5.6 Details of student counselling and career guidance

> Every group of 15-20 students are assigned to one faculty member as counsellor. A Counselling record is maintained for each student.
> Career Guidance is provided by the T&P section.
> Industry HRs & other experts from industry are invited to interact with students.

No. of students benefitted

> 3500 students through counselling
> 600 students for career guidance

5.7 Details of campus placement (2017-18)

On campus			Pool Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
24	381	122	94

5.8 Details of gender sensitization programmes

> International Women's Day (08-03-2018)
> Women's Grievance reddressal cell.
> "Self Defence Techniques" have been imparted to girls students during 20-21 December, 2017.

5.9 Students Activities

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

      State/ University level | 167 | National level | | International level | |

      No. of students participated in cultural/Technical events

      State/ University level | 87 | National level | | International level | |

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

      Sports: State/ University level | 5 | National level | | International level | |

      Cultural/Technical: State/ University | 20 | National | | International | |

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs.)
Financial support from institution	163	23,20,000
Financial support from government (fee re-imbursement)	2112	5,75,56,125
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11   Student organised/initiatives

      Fairs: State/University level | 1 | National level | | International level | |

      Exhibition: State/ University level | | National level | | International level | |

5.12   No. of social initiatives undertaken by the students | 4 |

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

Criterion – VI
6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **Vision:**
> - To be a Premier technological institute striving for excellence with global perspective and commitment to the Nation.
>
> **Mission:**
> - To produce Engineering Graduates of Professional quality and global perspective through Learner centric Education.
> - To establish linkages with government, industry and Research laboratories to promote R&D activities and to disseminate innovations.
> - To create an eco-system in the institute that leads to holistic development and ability for life-long learning.

6.2 Does the Institution has a management Information System

- Student information, employee information, placement details are available through Ecap.
- Intra-college written communication is done through A-mail.

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

6.3.1 Curriculum Development

- Affiliated college- Follows the curriculum prescribed by JNTUK.
- UGC committee visited the college in the month of Feb-2018 and granted Academic Autonomy w.e.f academic year 2018-19.
- NBA expert committee visited the collge in the month Feb-2018 and granted provisional accreditation for 3 years for three U.G courses namely B.Tech in
  1. Electrical and Electronics Engineering
  2. Mechanical Engineering
  3. Computer Science and Engineering

6.3.2 Teaching and Learning

- Uses modern tools like PPT, videos, online lectures, guest lectures, seminars, projects and laboratory work etc.,
- Drifting towards OBE.
- Organizing training programmes on advanced topics like Python, R-programming, IoT, Robotics etc.,

6.3.3 Examination and Evaluation

- As per the rules & regulations of JNTUK – Internal: 30% and External: 70%
- Under autonomy-   Internal: 40% and External: 60%

6.3.4 Research and Development

- Four faculty members were awarded Ph.D.
- 1 faculty member submitted Ph.D thesis.
- 41 faculty members registered for Ph.D and working.
- IoT and Robotics labs are being used by students for project works.
- Faculty sponsored to attend 18 conferences & 23 papers were presented.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Digital library with 70 systems with net connectivity.
- Spacious library with a seating capacity of about 600 persons and discussion rooms.
- Library has more than 43,000 print volumes and e-resources.

6.3.6 Human Resource Management

- Faculty are being sent to higher institutes for Faculty Development Programs and for exposure.
- Guest lectures by experts arranged for exposure.

6.3.7 Faculty and Staff recruitment

- Faculty and staff are recruited as and when required.
- Normally major recruitment is done before the beginning of the academic year.
- Regular recruitments were made through paper advertisement by inviting applications and conducting interviews.
- Sometimes candidates are selected through Walk-in Interviews.
- Senior faculty are recruited some times by invitation.

6.3.8 Industry Interaction / Collaboration

- Signed 4 MOUS with industry during 2017-18.
- Total no. Of MOUS in vogue: 10

6.3.9 Admission of Students

Admissions are made as per the norms and guidelines issued by State Council of Higher Education, Government of A.P.

6.4 Welfare schemes for

Teaching	EPF, M.I, Felicitation & awards
Non teaching	EPF, E.S.I, Felicitation & awards
Students	Group Insurance

6.5 Total corpus fund generated   N/A

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	No		Yet to be conducted	
Administrative	No		No	

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?

- University changes regulations once in 3 years.
- On-line delivery of question paper.
- Online evaluation of Quiz Tests, Jumbling of exam centres for Semester End Exams.
- The college has become autonomous w.e.f the academic year 2018-19.
- The curriculum is being modified in-tune with the model curriculum given by AICTE.
- Weightage for continuous evaluation has been increased from 30% to 40%.
- Question paper setting will be done to test the student at different levels of learning.

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

- University has provision to promote autonomy to the affiliated colleges.
- The college is granted autonomy w.e.f the A.Y 2018-19.

6.11 Activities and support from the Alumni Association

- Alumni interacts with current students during their occasional visits to the college.
- Alumni extend their support in providing internships to the current students.
- It is proposed that every batch of B.Tech students may visit the campus for a decade re-union and have a get-together on the campus during the 10th year of their graduation, in addition to the regular alumni meets.
- College gets feedback and suggestions from Alumni through online interaction.

6.12 Activities and support from the Parent – Teacher Association

- There is no formal Parent-Teacher Association. However at the beginning of every academic year an Orientation/Induction program for the I B.Tech students along with their parents is arranged.
- Parents are invited along with their wards for the distribution of Merit Scholarships.
- Every Semester progress reports of the students are sent to their parents and parents of students with poor performance are requested to visit the college and meet the Head of the Department concerned.

6.13 Development programmes for support staff

- Need based training
- All administrative staff were trained on the usage of the "Management Information System software (E-cap)".

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

- Gardening staff continuously work for the maintenance of Aesthetic and Green Ambience.
- Rain water harvesting system exists.
- 200KW solar power plant installed.
- Solar water heaters available in Hostels.
- Bio-gas plant and R.O plant for drinking water are available.

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.

> Endowment Award to B.Tech students for best performance in Mathematics
> Revision of Faculty Self Appraisal format to cover all activities
> **Curriculum:** The affiliating University revised the curriculum of UG & PG courses for the batches admitted during 2016-'17.
> **Technology Usage:** QEEE online lectures by Professors of IIT were attended by students in specific subjects.
> **Research:** IOT and Robotics laboratories are established in collaborations with M/S Thingtronics Pvt. Ltd, Bangalore and IIT Bombay respectively.
> **Industry:** Interactive sessions with HRs and other experts from industry are arranged
> **Ensuring Quality:** Online Feedback from students on the teaching of different courses is being taken in the middle of each semester
> **Faculty Development:** Faculty members were deputed to attend FDPs, Workshops, Conferences and Presenting Papers by paying registration fee and T.A.
> **Student Support and Motivation:** Bridge course in Mathematics was arranged for students joining the college through lateral entry into 2nd year of B.Tech.

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

- A no.of guest lectures by experts from Industry and academic institution were arranged.
- Faculty & support staffs with 10 years & above service in the college were felicitated by the management to motivate them.
- Gold Medal for Best Out Going U.G. student was awarded.
- Branch Toppers were awarded gold medals.
- A 6-day FDP was conducted on "Pedagogical Methodologies" for the teachers with less than 5 years experience.
- Workshops on the implementation of OBE were conducted.

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

- Merit scholarship for 4 years for top rankers in EAMCET and for continued good performance in subsequent semesters.
- Award of Gold Medal to the Roll of Honour student in each branch.
- Gold Medal for Best out Going UG student (all rounder) every year.
- Felicitation to employees with 10 or more years of experience in the college.
- Orientation program for new students
- Address by Police and Legal cell authorities about the ill effects of Ragging and punishments for Ragging
- Financial support for submitting patent applications.
- Special leaves for Marriage of bachelor employees and for any calamity in the family.

Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4 Contribution to environmental awareness / protection

- World environment day celebrated.
- One course on "Environmental Science" taught to students.
- Tree Plantation was done.
- Student vehicles not allowed into the campus.
- Rain water harvesting.
- Solar water heaters and solar power plant.
- Bio-gas generation from kitchen waste.
- Underground drainage system.

7.5 Whether environmental audit was conducted?   Yes [ ]   No [✓]

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

- **Strength:**
  ➢ Highly supportive management with good infrastructure.
  ➢ Progressive growth in intake; qualified faculty with good retention.
- **Weakness:**
  ➢ Majority students being from rural background, poor in English Communication skills.
  ➢ Lack of Public transport.
- **Opportunity:**
  ➢ Increased employment opportunities in the state after division.
- **Challenges:**
  ➢ Competition from regional & global institutes in the new state.
  ➢ Frequent obsolescence of infrastructure due to rapid developments in technology.

8. **Plans of institution for next year**

- As the institute received autonomy, proposed to conduct more number of FDPs, seminars and conferences etc., with well planned Academic Calendar.
- To implement Academic reforms towards learner centric and Outcome Based Education.
- To focus on Consultancy activities and funded research projects.
- To try for the establishment of Incubation centres.
- To get recognition from the University for admitting Ph.D students.
- To establish skill development centre.
- To establish research centres.

Name Dr.J.Srihari Rao   *Name Dr.G.V.N.S.R.Ratnakara Rao*

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

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