

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

I. Details of the Institution

1.1 Name of the Institution

KUPPAM ENGINEERING COLLEGE

1.2 Address Line 1

KES NAGAR

Address Line 2

PB NATHAM POST

City/Town

KUPPAM

State

ANDHRA PRADESH

Pin Code

517425

Institution e-mail address

principal@kec.ac.in

Contact Nos.

08570256966

Name of the Head of the Institution:

Dr S. SUDHAKAR BABU

Tel. No. with STD Code:

08570256966

Mobile:

9393812267

Name of the IQAC Co-Ordinator:

S BASKARAN

Mobile:

9440760833

IQAC e-mail address:

iqac@kec.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

APC0GN15521

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/66/A&A/047

1.5 Website address:

www.kec.ac.in

Web-link of the AQAR:

<http://www.kec.ac.in/wp-content/uploads/2019/01/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 st Cycle	"B"	2.30	2014	2019
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

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

02/12/2013

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 2016 – 17 submitted on 30/01/2019
- ii. AQAR 2015 – 16 submitted on 30/01/2019
- iii. AQAR 2014 – 15 submitted on 30/01/2019
- iv. AQAR 2013 – 14 submitted on 30/01/2019

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*)

JNTU ANANTAPUR

1.13 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-CE	-
UGC-Special Assistance Programme	-	DST-FIST	-
UGC-Innovative PG programmes	-	Any other (<i>Specify</i>)	-
UGC-COP Programmes	-		

2. IQAC Composition and Activities

2.1 No. of Teachers	12
2.2 No. of Administrative/Technical staff	1
2.3 No. of students	2
2.4 No. of Management representatives	1
2.5 No. of Alumni	2
2. 6 No. of any other stakeholder and Community representatives	2
2.7 No. of Employers/ Industrialists	2
2.8 No. of other External Experts	1
2.9 Total No. of members	23
2.10 No. of IQAC meetings held	01
2.11 No. of meetings with various stakeholders:	No. 9 Faculty 02

Non-Teaching Staff Students Alumni 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

- 1.Awareness of Quality Aspects in the Higher Institution

2. Outcome Based Education

2.14 Significant Activities and contributions made by IQAC

1. The institute participated in NIRF 2018.

2. IQAC conducted internal audits per schedule.

3. Institute submitted SAR to NBA for the following branches UG: CIVIL, MECHANICAL,ECE,CSE.

4. personality development programme conducted to the schools and junior colleges by famous psychiatrist B.V. PATTABHIRAM.

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. Academic calendar is prepared and implemented. 2. Auditing the departments of the institution. 3. Quality development awareness and orientation programs. 4. Advising for quality teaching and evaluation system. 5. Augument of research cluster for promoting inter discilplinary research	Regular academic audit and action taken against taken by the non-conformities. Obtained Rupees 2.87 Crores to establish IEDC from DST.

* 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 ☐

Provide the details of the action taken

1.IQAC recommended that every faculty must try to publish their research papers in high impact factor Scopus Indexed Journals and in Science Citation Index(SCI) journals of high impact factor.

2.This is given importance in the annual performance appraisal of faculty members

Part – B

Criterion – I

I. 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	2	0	2	0
PG	6	0	6	0
UG	5	0	5	12
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	3	0	3	2
Certificate	17	3	17	17
Others	---	--	--	--
Total	33	3	33	31

Interdisciplinary	---			
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	5-UG 6 - PG
Trimester	NIL
Annual	NIL

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.

UG:NIL, PG: R17

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

NewGen IEDC

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
154	112	26	7	9

2.2 No. of permanent faculty with Ph.D.

15

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
22	--	5	--	3	--	--	--	30	--

2.4 No. of Guest and Visiting faculty and Temporary faculty

6

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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	35	14	
Presented papers	35	14	
Resource Persons		14	

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

- ❖ Explaining the course objectives to the students.
- ❖ Implemented Elective System.
- ❖ Evaluation through continuous internal Examinations.
- ❖ Creating interactive environment thereby providing students to think and reflect.
- ❖ Linking the fundamentals with scope while dealing course content.
- ❖ QEEE(Quality Enhancement in Engineering and Education)
- ❖ NPTEL & MOOCS

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

183 Days

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

NIL

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

NIL	NIL	15
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2.10 Average percentage of attendance of students

81 %

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- CE	32	5	10	5	-	62.5
B.Tech -ME	53	11	16	3	-	56.6
B.Tech -EEE	26	5	8	-	-	50
B.Tech -ECE	72	21	26	1		66.6
B.Tech -CSE	49	6	16	3	-	51
MBA	51	27	12			76.4
M.tech(MD)	2	-	-	-	-	-
M.tech(ES)	6	-	-	-	-	-
M.tech (VLSI)	1	-	-	-	-	-
M.Tech(CSE)	14	-	-	-	-	-
M.tech (PE)	11	-	-	-	-	-

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

The **IQAC** evolved its own mechanism for monitoring and evaluating the Teaching Learning process. It ensures that quality teaching and this takes place through

- ❖ Suggestions on methods for quality teaching/ learning, evaluating and analysing results and suggesting measures for improvements.
- ❖ Question Paper Preparation Based on Blooms Taxonomy.
- ❖ Assessment Based on Outcome Based Education.
- ❖ Class committee meeting is conducted on regular basis.
- ❖ Analysis of student's feedback and stakeholder's feedback.
- ❖ Monitoring of student and staff attendance on a daily basis.
- ❖ Preparing quality indices on Teaching/ Learning parameters to check lag and lead indicators for further improvements and corrections.
- ❖ Student profile analysis is done by IQAC
- ❖ Feedback form is obtained from students through a structured questionnaire.
- ❖ Feedback form is sent to the Departments for further action.
- ❖ Department level committee analyses and monitors the Teaching & Learning Process.
- ❖ Several Brain-storming sessions were conducted for improving the teaching / learning process.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	24
UGC – Faculty Improvement Programme	0
HRD programmes	11
Orientation programmes	79
Faculty exchange programme	0
Staff training conducted by the university	5
Staff training conducted by other institutions	36
Summer / Winter schools, Workshops, etc.	33
Others	41

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	14	-	-	-
Technical Staff	58	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

IQAC provides information about various research proposals and scope for publications to the faculty members through the Institute's Research and Consultancy Centre (RCC).

- It recognizes faculty members who have made significant contribution to research through RCC.
- IQAC analyses research publications, research projects and promotes quality research.
- Updating the faculty on new areas of research through Seminars and Guest Lectures
- Promotes research by recommending incentives to the faculty to publish papers in peer reviewed journals and conferences
- Faculty Research Interest groups are formed to promote research interest among faculty
- Sensitizing the staff on Research funding.
- Scopus indexed publications are compiled.
- List of UGC approved/ Scopus indexed journals are sent to Departments.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	1	
Outlay in Rs. Lakhs		60 Lakhs	287 Lakhs	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1	2	
Outlay in Rs. Lakhs	1 Lakh	2.5 lakhs	3.5 lakhs	

3.4 Details on research publications

	International	National	Others
Peer Review Journals	75	20	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	7	0	0

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 organizations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	5 Years	NSTEDB UNDER DST SPONSORED PROJECTS NEWGEN IEDC	287 Lakhs	60 lakhs
Minor Projects	2 Years	❖ UGC SERO SPONSORED MINOR RESEARCH PROJECT.	2.5 Lakhs	1.3 Lakhs
	1 Year	❖ DST-NIMAT SPONSORED PROJECT.	1Lakh	1 Lakh
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total			290.5 Lakhs	62.3 Lakhs

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)

DST- NSTEDB(NEWGEN IEDC)
UGC –SERO
DST- NIMAT

3.10 Revenue generated through consultancy

3.11 No. of conferences Organized by the Institution	Level	International	National	State	University	College
	Number	--	02	--	--	--
	Sponsoring agencies	--	--	--	--	--

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	3
International	Applied	-
	Granted	-
Commercialized	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
12	--	02	--	--	--	10

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

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level	<input type="text" value="5"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

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

3.24 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="-"/>	
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="5"/>	Any other <input type="text" value="-"/>

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

- Blood Donation by students and staff
- First Aid training programme to students and transport drivers
- Awareness programme on Anti Ragging
- Health Awareness
- Awareness on wild Life protection
- Awareness on wild Life Protection

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	27.18	-	Donation from patrons of the society Tuition fee	27.18
Class rooms	30	0		30
Laboratories	33	0		33
Seminar Halls	3	0		3
No. of important equipment's purchased (\geq 1-0 lakh) during the current year.	17	2	KEC	19
Value of the equipment purchased during the year (Rs. in Lakhs)	276	114	KEC	390
Others	867	216	KEC	1083

4.2 Computerization of administration and library

The Institution is using a ERP Solution Through ECAP Campus Automation Management system

- Complete Wi-Fi in campus
- Website for public access
- Electronic Resource management
- E-journals
- Content Management
- Computers and Printers
- Computerized Library services.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26182	8528799	423	325835	26605	8854634
Reference Books	5913	2000246	148	51800	6061	2052046
e-Books	286	25000	34	5000	320	30000
Journals	65	38740	62	38670	127	77410
e-Journals	142	445607	4283	127400	4425	573007
Digital Database	814	50000	814	50000	814	50000
CD & Video	1752	47200	50	10000	1802	57200
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	772	9	60 Mbps	1	1	2	7	1
Added	-	-	-	-	-	-	-	-
Total	772	9	60 Mbps	1	1	2	7	1

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

Computers: 772

Internet speed:60 Mbps.

RAILTEL(40 Mbps) + BSNL (20 Mbps)

E- Journals: 4283

4.6 Amount spent on maintenance in lakhs :

i) ICT

3.8 lakhs

ii) Campus Infrastructure and facilities

7.04 lakhs

iii) Equipments

11.06 lakhs

iv) Others

25.03 lakhs

Total:

46.93 lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC regularly in its meetings plan and review the quality of services offered in

- Periodic mentoring through anti –ragging committee.
- Student counselling through mentor-mentee system for enhanced employability and learning outcomes.
- Robust system for addressing disciplinary issues.

5.2 Efforts made by the institution for tracking the progression

- Student progression is tracked through Counselling Dairies.
- Result analysis and improvement is also tracked; remedial classes are arranged accordingly
- Review of Seminars/Presentations of Projects at „Show & Tell“ Platform
- Daily Attendance tracking through Campus Automation System and alerting the students, parents through SMS.
- Apart from MID Exams, Assignments and End exams, continuous in-house assessment through tests, assignments, Group Discussions, Presentations etc. and continuous feedback.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1205	213	8	

(b) No. of students outside the state

247

(c) No. of international students

0

Men	No	%	Women	No	%
	1098	77		328	23

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
179	52	3	205	1	439	251	31	6	176	-	464

Demand ratio 1:1

Dropout 1 %

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

- Classes are conducted for students to train them for placements and competitive exams Through Advanced English Communication Skills Lab and Finishing School.
- Campus training is provided for other competitive exams also apart from campus placements.
- High Intensity Training Programmes are conducted.
- An exclusive Student Service Centre
- Student professional development through Clubs coordinated by faculty member.
- Many of the UG and PG students have cleared PGESET
- The Library has provision for back volumes, Also a good number of general books on literature and books useful for various competitive examination are available in the Library

No. of students beneficiaries

253

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	3

5.6 Details of student counseling and career guidance

- Student counselling and guidance is provided through mentors.
- Mentor to student ratio is 1:20
- Value added courses for the advanced learners.
- Target is assigned to every better performer per semester.
- Each mentor takes care of the academics and welfare of the student assigned.
- Better identification for poor students for their upliftment.
- Parents are updated about the performance by the mentors by meetings and communication through SMS and Mails.
- Certificate courses are conducted for career advancement.

No. of students benefitted

1205

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
23	292	146	-

5.8 Details of gender sensitization programmes

- Safety & Security of Women and other gender issues: Screening of short films followed by group discussion
- Is gender a social and cultural construct. Oral Presentation by the English Teaching Faculty
- Poster Presentation on Gender issues by students
- Screening Short films to create awareness about Gender Equity followed by an interactive session and Group Discussions.
- Safety & Security of Women and other gender issues: Screening of short films followed by group discussion

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	65	328500
Financial support from government	808	33202450
Financial support from other sources	0	0
Number of students who received International/ National recognitions	0	0

5.11 Student organized / 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: _____ Nil _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

Institute of National importance with high ethical values for the socio-economic development of the rural society of our Nation.

Mission:

The Students will be achieving the academic excellence with ethical and social values by providing

- Quality Education with competent faculty members
- Good Infrastructure facilities
- Value added skills
- Career guidance and Entrepreneur skill
- Collaborative research with industries

6.2 Does the Institution has a management Information System

Yes, the institution has a Management Information System (MIS) that takes care of the following services.

- Amin
- Academic
- Placement
- Correspondence
- General
- Admission
- Examination
- Employee
- Hostel

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

- We follow JNTUA Curriculum gap analysis
- Interdisciplinary courses are offered as Open electives
- Adhering to outcome based education principles while setting question paper
- Courses focusing on Skill development and Employability skills are provided
- Stake Holders feedback is taken while devising the curriculum Benchmark with Premier Institutes
- MOOC courses introduced for UG and PG Programs
- Internalizing the concept of blooms taxonomy for student development and evaluation
- Periodic feedback on curriculum from stakeholders such as experts from academia, industry, alumni, students and teachers

6.3.2 Teaching and Learning

Teaching:

The practices established are sustained through:

- At the beginning of the academic year, an orientation Program on Pedagogy and practices is conducted for improved teaching skills among newly recruited faculty.
- Usage of modern Teaching aids and practices along with self-learning material during teaching.
- Concepts beyond syllabus are introduced to students through Self-Learning to generate interest among students.
- Faculty members are trained by Industry to impart industry ready-skills to its students

Learning:

- Peer learning among students facilitated by activities of professional and technical associations.
- Project based learning being practised to enhance student skill set.

6.3.3 Examination and Evaluation

Reforms in examination & evaluation

- Objective question for 1,2 and 3 marks are introduced both in Mid and Final examination
- Continuous evaluation
- Mid test
- Assignment
- Unit test

6.3.4 Research and Development

- Established research centres in the institute in thrust areas of the departments.
- Established IEDC to promote the projects and make the students as entrepreneurs.
- Planning to establish start-ups and incubation centre to promote young entrepreneurs
- Encouraging faculty to apply for patents registration.
- Provide innovative modern facilities and laboratories for multidisciplinary research for faculty and students.
- To create techno entrepreneurs and resource persons through entrepreneurs development programmes.
- Financial support to the doctoral students
- Research incentives and awards to members of faculty for publishing in reputed and high impact factor journals
- Conducting meetings on monthly basis to discuss about the research facilitate inter-disciplinary research.
- Members of faculty mentoring students to transform innovative ideas into products.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The library is well stocked with good number of volumes, online journals, and also having E-Resources access to IEEE, ASCE, ASME and j-gate. Students can access Open Source Online Video Lectures in NPTEL. The institute is also a member of DELNET. The college has membership with National Digital Library (NDL); Computer Society of India (CSI); Institution of Electronics and Telecommunication Engineers (IETE), Institution of Engineers (IE); Indian Society for Technical Education (ISTE). The library is using Integrated Open Source Software –Easylib for check-in and check-out transactions. Digital Library is installed with 20 systems to access e-journals and also providing multimedia and e-databases.

6.3.6 Human Resource Management

The institute has excellent strategies/ norms for Human resource Management. It ensures that

- Attendance will be monitored on a regularly
- Payroll is as per norms
- Performance record and self-appraisal is maintained
- Faculty and Staff recruitment are always based on merit.
- Seminars / trainings are conducted to train the newly recruited faculty members.
- Internal workshops are conducting to train the faculty and staff to enable them to update their subject knowledge.
- IQAC creates awareness among faculty regarding quality in teaching and research.
- Grievance cell is aviable to take care and to address issues for both staff and students.

6.3.7 Faculty and Staff recruitment

- The institute strictly follows AICTE guidelines to recruit the faculty
- The staff selection committee comprises of principal, senior faculty members from concerned departments. The HR Office co-ordinates with the respective stakeholders for advertising in all leading Newspapers and Institute Website.
- Applications are received by post / e-mail /in person in response to such advertisements, are duly acknowledged by mail and sent to the respective head of the departments.
- Diversity is maintained while recruiting faculty.
- Faculty are recruited through interviews selection Committee.

6.3.8 Industry Interaction / Collaboration

- CDEEC, Kuppam
- Eccube, Bangalore
- TCS Ion, Hyderabad
- Tecchnologics, Bangalore
- Digital shark, Bangalore
- Sapa extrusion pvt ltd, Kuppam
- CAD centre training services, Bangalore
- Microsoft Agreement
- Oracle Academy, Bangalore
- APSSDC MOU

6.3.9 Admission of Students

Students are admitted on the basis of merit through state wide entrance examination EAMCET for Under Graduate program and PG CET, ICET for Post Graduate program conducted by State Government.

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	Yes

- Teaching and non-teaching career advancement scheme, study leaves, medical leave, maternity leave, on-duty leave, awards, incentives, conference registration and travel support
- Students- fee reimbursement, scholarships, awards, trophies, gold medals, cash prizes.

6.5 Total corpus fund generated

76.08 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	IQAC
Administrative	--	--	yes	IQAC

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?

- Challenge Evaluation
- Recounting

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

- Motivating Guest Lectures from Alumni to all the students as part of career vision approach.
- Alumni offer internships and projects to the present students in their organizations.
- Inputs on Curriculum design keeping in view of Industry requirements.
- Support the placement cell with various training, industry inputs and placement.
- Interaction with the current batch students to provide the latest updates about the industry.
- Providing feedback on academic activities.

6.12 Activities and support from the Parent – Teacher Association

- Parents are regularly invited to discuss the need / problem / progress of their wards.
- Feedbacks are collected from parents on infrastructure, faculty, fee structure, training and placement.

6.13 Development programmes for support staff

- Regular skill development programs are conducted regularly
- Regular communication training programs by internal staff members.

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

The Environment friendly measures undertaken are:

- Installation of Solar Panels to explore new renewable energy sources.
- Plastic-free environment
- Rain Water Harvesting structures
- Green landscaping with trees and plants
- Waste management which includes Solid waste management ,Liquid waste management, & E-waste management
- Installed solar water heater for hostels
- A small section of non-teaching staff use bicycles for mobility within the campus and nearby
- A large number of faculty and students of the institution use the transport provided by the management.
- A small section of the students and staff use public transport also.
- The campus possesses well laid roads which are friendly to the inmates of the campus.
- Vehicles are parked away from the academic buildings to reduce the sound and air pollution.
- Automation of the entire academic and administrative practices are underway which shall reduce the use of paper.
- Different types of dustbins are provided on campus to collect the plastic for careful disposal.
- The entire campus is well maintained with a rich collection of trees and plants that make the environment carbon dioxide free and to maintain inmate's good health.
- The campus is enriched with greenery of 35% of total area which includes landscapes with grass, bushes, trees and ornamental trees by maintaining biodiversity.
- Energy Efficient electronic gadgets like 5* rated air conditioners are used and maintained regularly.
- Unwanted usage of power is discouraged in Institute

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.

- Estalablished “NewGen-IEDC” sponsored by NSTEDB-under DST, EDII, Ahmedabad.
- Developed “VAJRAPAAT -Android APP” for warning of Lightning Strikes by the Department of ECE with the courtesy of ISRO, Srihari Kota.
- Developed “COUNTRY BASKET- APP” by the students of CSE.
- Detailed institute academic calendar.
- Providing merit card for meritorious students in Library.
- Conduct of orientation to the junior college students by the famous psychiatrist Dr.B.V.Pattabiram.
- Conduct of orientation on higher education to schools and junior colleges.
- Internal training on aptitude and soft skills to improve the placements.

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

- Inculcating research culture
- Encouragement to design and develop projects/apps to address the problems identified
- Encouraged the students to attend more workshops, conferences and symposiums
- Improvement of placements
- Improvement of students attendance
- MOUs with various industries
- Extensive training programmes conducted for faculty members to enhance pedagogical approaches
- Departments have imbibed quality research culture
- Active learning methods are implemented
- Faculty and students are encouraged to submit project proposals

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

- On job training to the vocational college students
- Technical training to the rural background candidates / students through Siemens labs

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

7.4 Contribution to environmental awareness / protection

The NSS unit of the Institution conducts events like preservation of biodiversity and awareness of hazards in environmental pollution, which promotes sustained community developments

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:

- Accreditation of programs by NBA, New Delhi
- Permanent affiliation accorded by JNTUA, Anantapur
- Accreditation of the college with a top grade "B" by National Assessment and Accreditation Council (NAAC)
- Included in the list of colleges under 2(f) and 12 (B) of UGC Act 1956
- Excellent Student-Faculty ratio

8. Plans of institution for next year

- To strive to work for NIRF rankings
- To obtain NAAC accreditation
- To obtain NBA accreditation for remaining UG courses
- Strengthen the existing centers of Research
- Improving Industry Academic Partnerships



Name: S. BASKARAN

Signature of the Coordinator, IQAC



Name Dr. S. SUDHAKAR BABU

Signature of the Chairperson, IQAC

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
