



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr.C.Srinivasa Rao
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08518285011
Mobile no.	9246922869
Registered Email	principal@gpcet.ac.in
Alternate Email	iqac@gpcet.ac.in
Address	Venkayapalli(V),Nandikotkur Road, Kurnool
City/Town	KURNOOL
State/UT	Andhra Pradesh
Pincode	518452

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Dr.N.Ramamurthy</b>
Phone no/Alternate Phone no.	<b>08518285033</b>
Mobile no.	<b>9948404152</b>
Registered Email	<b>eceramamurthy@gpcet.ac.in</b>
Alternate Email	<b>iqac@gpcet.ac.in</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.gpcet.ac.in/wp-content/uploads/2020/03/AOAR-GPCET-2017-18-FINAL.pdf">http://www.gpcet.ac.in/wp-content/uploads/2020/03/AOAR-GPCET-2017-18-FINAL.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.gpcet.ac.in/academic-calendars/">http://www.gpcet.ac.in/academic-calendars/</a>

### **5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>A</b>	<b>3.03</b>	<b>2017</b>	<b>22-Feb-2017</b>	<b>31-Dec-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>27-Jan-2017</b>
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### **7. Internal Quality Assurance System**

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
<b>Three days FDP on AutoCAD</b>	<b>09-Jul-2018</b>	<b>25</b>

	03	
Three days training on Artificial Intelligence	13-Dec-2018 03	65
FDP on Power System Drives	05-Nov-2018 06	23
One week workshop on NI Lab View	20-Sep-2018 06	36
One week FDP on Outcome Based Education	09-Jul-2018 06	150
Three week Workshop on Indian Game Development Challenge	24-Aug-2018 21	60
Training on 3D Experience By Dassault Systems	01-Oct-2018 180	60
One week FDP on Internet of Things by E&ICT Academy, NIT Warangal	17-Jun-2019 06	55
Industrial Automation Using PLC &HMI Its Applications	27-Jun-2019 03	25
FDP on Data science and its Engineering Applications using Python	24-Jun-2019 06	50
<a href="#">View File</a>		

**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
G.Pullaiah College of Engineering and Technology/Department of ECE/Dr.K.C.T.Swamy	Announcement for Opportunities	SAC, ISRO	2017 1095	963000
G.Pullaiah College of Engineering and Technology/Department of ECE/Dr.K.C.T.Swamy	EEQ	SERB	2018 1095	4751000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

<b>10. Number of IQAC meetings held during the year :</b>	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No

<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>
1. The importance of Outcome based education has been explained to all the internal stake holders, which has been achieved through regular workshops and seminars.
2. The importance of NAAC and NIRF has also been brought forward along with participation in various rankings released by various ranking agencies.
3. Various MOUs have also been made with National/International organizations to bring about research and innovation culture across the campus.
4. Industry oriented courses relating to python, Lab VIEW, cadence, MATLAB have also been introduced in the curriculum so as to equip the students with latest technological trends.
5. The importance of the research has also been explained to students and faculty wherein joint research between students and faculty need to be carried out.
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<b>13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year</b>	
Plan of Action	Achivements/Outcomes
AQAR Submission	Submitted AQAR for the Academic Year 201718
NBA Accreditation under Tier II	Implemented suggestions given by NBA committee in their last visit and Prepared NBA compliance report for the extension of NBA accreditation
undefined	undefined
Academic Audit across all Departments	Improved quality of Teaching learning process
<a href="#">View File</a>	

14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Governing Body</td> <td>03-Jun-2019</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Body	03-Jun-2019
Name of Statutory Body	Meeting Date				
Governing Body	03-Jun-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	27-Jan-2019				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institution has proper management information system wherein all stake holders can access their necessary information online. The following are some of the modules under operation. ? Online Student Attendance ? Online Faculty/Staff Leave Application ? Online SelfAppraisal System ? Online Fee Collection ? Online Examination Registration ? Online Feedback on Teaching Learning Process and Facilities ? Online Exit Survey ? Online Alumni Registration ? Faculty Biometric ? SMS based Communication to parents ? Online feedback on facilities				

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institute has a well planned mechanism for curriculum delivery and documentation. Generally Effective implementation of the curriculum is the core objective of the teaching learning process. Hence immense importance is given and attention is paid towards the development and deployment of action plans towards its effective implementation. The following are the various means with which the effective implementation of the Curriculum is done at GPCET. ? Allotment of Subject based on the research area of the faculty ? Uploading of lesson plan of the course into the Learning Management System to be accessed by all students ? Regular Faculty meetings and also assessing their inputs ?

Uploading of Course material into the Learning Management System to be accessed by all students ? Employing Innovative Methods of Content Delivery ? Continuous Assessment through internal examinations and conduct of remedial classes for slow learners ? Regular Student interaction through mentoring and offering suggestions to the necessary students ? Established Plan of Action by the Heads of Departments relating to their respective departments ? Regular Training Activities are conducted for the students which help them in boosting their career. Participative Approach is adopted by the college in order to implement the action plan. The faculty of the department is instructed to choose the subjects that they are interested in based on their research specialization by the Head of the Department at the beginning of each semester. Once the subjects have been finalized, the faculty concerned prepares the plan of course coverage, tutorial questions, lecture notes and submit to the Head of the department for his/her approval. The compatibility of each course material is thoroughly verified at the beginning of each semester. Based on the number of working days in the semester every department plans its activities in order to support the curriculum. The Head of the department plans various training programs, student development activities in consultation with the faculty and class representatives. The Principal along with the Head of the Department meets the class representatives of every class once in a month to discuss about the curricular and co-curricular aspects, review of syllabus completion and also reviews the various steps to be taken up for effective implementation of curriculum delivery.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
<b>No Data Entered/Not Applicable !!!</b>					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	09/07/2018
BTech	Computer Science and Engineering	09/07/2018
BTech	Electrical and Electronics Engineering	09/07/2018
BTech	Electronics and Communication Engineering	09/07/2018
BTech	Mechanical Engineering	09/07/2018
Mtech	Digital Electronics and Communication Systems	09/07/2018
Mtech	Computer Science and Engineering	09/07/2018

Mtech	Electrical Power Systems	09/07/2018
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1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Quantitative Aptitude -1	09/07/2018	480
Verbal Ability and Logical Reasoning	09/07/2018	480
Environmental Studies	09/07/2018	480
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	36
BTech	Computer Science and Engineering	83
BTech	Electrical and Electronics Engineering	114
BTech	Electronics and Communication Engineering	175
BTech	Mechanical Engineering	31
Mtech	Digital Electronics and Communication Systems	1
Mtech	Computer Science and Engineering	1
Mtech	Electrical Power Systems	1
MBA	Master of Business Administration	76
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### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Regular feedback is to be collected to analyze the working methodology which in

turn will offer necessary guidelines to be followed in certain areas which are lagging behind. Generally the Feedback on all courses is collected through online from the students twice in a semester. The first feedback will be collected at the middle of the semester i.e., before first midterm examinations and the second will be collected at the end of the semester. The feedback questionnaire that is being followed consists of various parameters that cover all the aspects relating to academics, co-curricular/extra-curricular activities, infrastructure etc. The responses given by the students through online will be analyzed on a 5 point scale which will in turn be converted into percentage scale of 100. The detailed analysis will be carried out in those aspects which have been rated less by the students and necessary measures will also be taken up to improve the feedback. The necessary measures to be taken up to improve the areas that are lagging will also be discussed with the necessary stakeholders so as to gather their inputs and methodology to implement them. The students are also being made an integral part of feedback analysis which will in turn help the institute get necessary suggestions and ideas to implement the shortfalls if any in an effective manner. The effective feedback implementation is quite visible through the increase in the number of student placements every year along with improvement in the Student satisfaction survey.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Electrical and Electronics Engineering	120	125	68
BTech	Electronics and Communication Engineering	180	216	169
BTech	Computer Science and Engineering	180	256	177
BTech	Civil Engineering	60	67	58
BTech	Mechanical Engineering	60	62	52
Mtech	Digital Electronics and Communication Systems	18	5	2
Mtech	Computer Science and Engineering	18	2	0
Mtech	Electrical Power Systems	18	10	2
MBA	Master of Business Administration	120	125	101

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## 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2100	214	115	9	18

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
142	142	846	15	5	35121

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A well established Student mentoring system is available in the Institution. It is well known that at the graduate level, mentors are needed to offer advice and guidance in academic matters. In addition, the mentor becomes a valuable support person for the student mentees. The actual role of the faculty or staff mentor is one of nurturing and providing support for a student during the difficult transition period. The mentor must also serve as a resource who will answer many questions, trivial or complex, that the student might pose. The college offers various counseling services to the students in terms of academic, personal, career etc. Academic Counseling: The institute follows the concept of mentoring system in which a batch of 15-20 students are assigned to a faculty member who acts as their mentor and whose primary activity is to monitor the academic progress of the students under his/her care and to take corrective measures for any aberration in their progress in academic pursuits. This also helps to check the number of absentees to the college and to have better interaction with the academic problems faced by the students. Personal Counseling: The student advisors also called as mentors play the role of personal counsellor with whom a student can confide their personal problems. The faculty advisor strives to arrive at an optimal/amicable solution through the counselling along with the HOD. The Principal also counsels the students and tries to mould them in a right path. Career Counseling: The Training Placement cell of the college plays a critical role in this regard. Besides the regular role as placement activities, the members of the cell frequently visit each and every class to motivate and counsel students in the career aspects. The career prospects, preparation for campus placement and career development activities are emphasized in this regard. The necessary training programs for developing English language communication skills, problem solving skills and IT skills are arranged by TP Cell. The college has constituted a dedicated team exclusively for developing Soft Skills of the students. Training is also imparted to those students who appear for GATE and other competitive examinations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2314	142	1629

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
142	142	0	24	38

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.T.Sudhakar Babu	Associate Professor	Young Faculty in Engineering from Venus International, Chennai, Tamil Nadu
2019	Dr.V.Vijaya Kishore	Professor	Outstanding faculty In Engineering In ECE June 6th from 5th Contemporary Academic Meet - CAM 2019, Venus International Foundation, Chennai. India
2019	Dr.V.Vijaya Kishore	Professor	Adarsh Vidya Saraswathi Rashtriya Puraskar 1st June, 2019, Global Management Council, Glacier Journal Research Foundation, Ahmedabad, India
2019	Dr.V.Vijaya Kishore	Professor	Best Teacher, June 2019 Global Management Council, Glacier Journal Research Foundation, Ahmedabad, India

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	1E	First	18/12/2018	08/02/2019
Mtech	1D	First	25/01/2019	08/02/2019
BTech	1A	First	06/12/2018	08/02/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Good amount of reforms have been initiated at the institutional level with respect to Continuous Internal Evaluation. 30 Marks have been provided for

Internal Assessment and 70 marks are to be assessed through external examinations. In the case of practical's, 25 marks are internally assessed (continuous assessment) and the rest 50 marks are assessed through external exam. The Institute has been following the following reforms for better evaluation. Finalization of Internal Marks: For theory subjects, during the semester, there shall be two midterm examinations. Each midterm examination consists of subjective paper for 30 marks with duration of 1 hour 50 minutes which will be condensed to 20 marks. The remaining 10 marks will be awarded based on the submission of assignments by the students. A student has to submit two assignments in every subject each for 10 marks. For the post-graduate program, the institute conducts two mid-exams of 30 marks each as per the norms. Final Internal marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80 weightage to the better mid exam and 20 to the other Comprehensive Online Examination There shall be two comprehensive online examinations, one at the end of II year and the other at the end of III year, with 100 objective questions for 100 marks on the subjects studied in the respective semesters. Internship/Mini Project An Internship/Mini Project is also introduced for the benefit of students. The students will be taking up the Internship during the break of end of VI Semester for a period of four weeks. The following are also the other evaluation reforms initiated by the institution. ? Slip tests and assignments are regularly conducted to assess the learning capabilities of students ? Periodical Project reviews are also carried out regularly to monitor the progress of students in carrying out the projects

2.5.3 – Academic calendar prepared and adhered to for conduct of Examination and other related matters (250 words)

The academic calendar is a very useful document, which contains the most important dates to guide the teachers and students. The detailed academic calendar is prepared every semester in adherence with the University guidelines. . Apart from the college academic calendar, the individual departments will have their calendar of events for various co-curricular and extra-curricular activities. Generally the academic calendar is prepared by Principal, Dean Academics in consultation with Head of Departments. The students are also apprised about the academic calendar at the beginning of each semester. The academic calendar is also uploaded on college website and displayed on notice boards and at strategic locations. Apart from the above, the Schedule of All Examinations is also provided in academic calendar. The dates and events being provided in the academic calendar are strictly followed throughout the entire semester.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

[http://www.gpcet.ac.in/ece\\_pos/](http://www.gpcet.ac.in/ece_pos/)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1E	MBA	Master of Business Administration	103	96	93.2
1D	Mtech	Digital	3	2	66.67

		Electronics and Communication Systems			
1D	Mtech	Electrical Power Systems	1	1	100
1A	BTech	Mechanical Engineering	65	46	70.76
1A	BTech	Electronics and Communication Engineering	189	163	86.24
1A	BTech	Electrical and Electronics Engineering	117	98	83.76
1A	BTech	Computer Science and Engineering	117	103	88.03
1A	BTech	Civil Engineering	58	49	84.48
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.gpcet.ac.in/wp-content/uploads/2020/08/Students-Feedback-on-Facilities.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	SAC, ISRO	9.63	0.82
Major Projects	1095	SERB	47.51	3
<a href="#">View File</a>				

### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One week FDP on "Internet of Things" by EICT Academy, NIT Warangal	Electronics and Communication Engineering	17/06/2019
Industrial Automation Using PLC HMI Its Applications	Electrical and Electronics Engineering	27/06/2019

Two day Workshop on "BIM Technologies"	Civil Engineering	13/03/2019
FDP on Data science and its Engineering Applications using Python	Computer Science and Engineering	24/06/2019
Three week Workshop on "Indian Game Development Challenge"	Electronics and Communication Engineering	24/08/2018
Training on 3D Experience By Dassault Systems	Mechanical Engineering	01/10/2018
3- Day Workshop on "Reactive Power compensation and Voltage regulation in transmission system"	Electrical and Electronics Engineering	21/08/2018
One Week Workshop on "Industrial Automation- PLC SCADA"	Electrical and Electronics Engineering	02/02/2019
One Week Training on Employability Skills	Master of Business Administration	17/12/2018
Effective Lesson Planning for Active Learning	Humanities and sciences	16/07/2018
Two day workshop on Entrepreneurship Development skills	Master of Business Administration	16/11/2018

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Solar street light system	Dr.T.Sudhakar Babu	Venus International, Chennai, Tamil Nadu	25/08/2018	Faculty
<a href="#">View File</a>				

### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
GPCET MSME	GPCET MSME	G Pullaiah College of Engineering Technology	G Pullaiah College of Engineering Technology	Training and Software Solutions	27/07/2018
<a href="#">View File</a>					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
3000	5000	8000

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded

No Data Entered/Not Applicable !!!

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	18	1.5
National	Computer Science and Engineering	21	1.24
International	Computer Science and Engineering	45	0.15
International	Electrical and Electronics Engineering	38	1.2
International	Electronics and Communication Engineering	49	1.12
International	Mechanical Engineering	15	2.51
International	Master of Business Administration(MBA)	16	0.65
International	Humanities and Sciences(HS)	14	0.75

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

Department	Number of Publication
Civil Engineering	1
Computer Science and Engineering	2
Electrical and Electronics Engineering	2
Electronics and Communication Engineering	22
Mechanical Engineering	2
Master of Business Administration(MBA)	4
Humanities and Sciences(HS)	3

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Global navigation satellite system and augmentation	Swamy, K.C.T.	Resonance	2018	4	G.Pullaiah e of Engineering and Technology , Kurnool, Andhra	2

					Pradesh	
Distributed generation integration to transmission grid controlled with D-Q theory	Srinivasa Rao, C.	ARPAN Journal of Engineering and Applied Sciences	2018	1	G.Pullaiah College of Engineering and Technology, Kurnool, India	0
Two Level Versus Matrix Converters Performance in Wind Energy Conversion Systems Employing DFIG	G.Pandu Ranga Reddy	Journal of The Institution of Engineers (India)	2018	1	G.Pullaiah College of Engineering and Technology, Kurnool, India	0
Distributed generation inverter as APF in dual APF DG interfacing scheme	Srinivasa Rao, C.	International Journal of Power Electronics and Drive Systems	2018	1	G.Pullaiah College of Engineering and Technology, Kurnool, India	1
critical evaluation of power quality features using dual APF under grid interfaced DG scheme	Srinivasa Rao, C.	Indonesian Journal of Electrical Engineering and Computer Science	2018	1	G.Pullaiah College of Engineering and Technology, Kurnool, India	2
Bit error rate analysis of BPSK, QPSK, 16-QAM for MC-CDMA over multi-path fading channels	Srinivasa Murthy, K.E.,	International Journal of Applied Engineering Research	2018	1	G.Pullaiah College of Engineering and Technology, Kurnool, India	0

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Multimodal medical image fusion based on undecimated wavelet transform and fuzzy sets	Tirupal T	International Journal of Innovative Technology and Exploring Engineering	2019	3	0	G.Pullaiah College of Engineering and Technology, Kurnool, India
Cost Reduction in Clustering Based Unit Commitment Employing Hybrid Genetic-Simulated Annealing Technique	Srinivasa Rao C.	Journal of Electrical Engineering and Technology	2019	1	0	G.Pullaiah College of Engineering and Technology, Kurnool, India
Characterization of mechanical behavior of new hybrid fiber reinforced composite sheets: An experimental approach	Mallikarjuna, K.	International Journal of Recent Technology and Engineering	2019	1	0	G.Pullaiah College of Engineering and Technology, Kurnool, India
Detection of glaucoma using adaptive neuro fuzzy in DWT domain	Ramamurthy, N	International Journal of Recent Technology and Engineering	2019	1	0	G.Pullaiah College of Engineering and Technology, Kurnool, India
Development and validation of a RP-HPLC method for the analysis of Rimanta	Mamatha, J.	Rasayan Journal of Chemistry	2018	2	4	G.Pullaiah College of Engineering and Technology, Kurnool, India



dine hydrochloride in medicinal form						
RP-HPLC-PDA method for simultaneous quantification of montelukast, acetyrophylline and desloratadine tablets	Mamatha, J.	Rasayan Journal of Chemistry	2018	2	8	G.Pullaiah College of Engineering and Technology, Kurnool, India
Performance analysis of MC-CDMA by employing the MMSE-PIC scheme in wireless communications	Srinivasa Murthy, K.E	International Journal of Communication Systems	2018	1	1	G.Pullaiah College of Engineering and Technology, Kurnool, India
Analysis of multi-frequency multi-GNSS real-time signal observations acquired by septentrio PolaRx5 receiver station	Swamy, K.C.T	International Journal of Innovative Technology and Exploring Engineering	2018	4	0	G.Pullaiah College of Engineering and Technology, Kurnool, India

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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	87	0	0	0
Presented papers	87	0	0	0
Resource persons	0	1	0	0

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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and

Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Tree Plantation	Zilla Parishath, Kurnool	12	110
Mega Blood Donation Camp (28-03-2019)	Red Cross Society of India, Kurnool, Andhra Pradesh	32	210
Mega Blood Donation Camp (23-01-2019)	Red Cross Society of India, Kurnool, Andhra Pradesh	25	261
Women Self Defense	She Shakthi Team, Kurnool	19	254
NSS Voters Day	Election Commission	15	215
Swachh Bharath	Ashwini Hospitals, Kurnool, Andhra Pradesh	16	100
Blood Grouping Campaign	Red Cross Society of India, Kurnool, Andhra Pradesh	10	35
<a href="#">View File</a>			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood donation	Blood Donor	Red Cross Society	100
Swachh Bharath	Clean and green campus	Omega Hospitals	100
<a href="#">View File</a>			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swachh Bharath	Govt. of Andhra Pradesh	Cleaning the College Campus	16	100
Women Self Defense	She ShakthiTeam, Kurnool	Self -defense tips to the women students	19	254
World AIDS Day	Omega Hospitals, Kurnool	Awareness program in rural area	12	68
Cancer Day	Omega Hospitals, Kurnool	Rally on cancer awareness	125	689
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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Students Exchange Program with Taiwan University	B.Tech and M.B.A Students	College	15
<a href="#">View File</a>			

#### 3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Student Internship	TEXAS Instruments	22/12/2018	22/01/2019	64
Internship	Student Internship	SKY Development solutions	22/09/2018	23/10/2018	90
Internship	Student Internship	BSNL	06/08/2018	25/08/2018	130
Internship	Skill Development	APSSDC	17/12/2018	22/12/2018	100
Internship	Student Internship	MADBlocks	15/12/2018	22/01/2019	16
Internship	Student Internship	Metrolabs	22/05/2019	22/06/2019	20
Internship	Student Internship	Devspark IT solutions	18/12/2018	22/01/2019	30
Internship	Internship	Construction Industry (Stapathi Associates) Kurnool	23/12/2018	23/01/2019	15
Internship	Survey camp	DSNM Global Solutions, Guntur	13/08/2018	20/08/2018	64
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#### 3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
DevmenIT	08/07/2018	Certification Courses	70
N-Dimensions	10/08/2019	IOT Applications	60

Yuan Ze University of Taiwan	17/02/2019	To establish relation and exchange Knowledge, Research and Short-Term Academic Exchange Programmes among the Institutions.	15
National Research Development Corporation	04/12/2018	To Promote Research Activities among Faculty and Students	623
Unwind labs	08/08/2018	Placement Training for Students	350
Aspiring minds	06/09/2018	Placement Training for Students	250
Talentio	19/09/2018	Placement Training for Students	285
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
42	40.29

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation

ASTM Digital Library	Fully	2018	2018
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#### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	33353	12507647	544	259097	33897	12766744
Reference Books	2713	1058437	198	115975	2911	1174412
e-Books	253	56840	91	473379	344	530219
Journals	206	335690	126	258230	332	593920
e-Journals	8471	1024885	2939	70800	11410	1095685
Digital Database	8724	1081725	3030	544179	11754	1625904
CD & Video	14841	50000	0	0	14841	50000
Library Automation	1	49604	0	0	1	49604
Others (specify)	1	16500	1	30250	2	46750
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. N.Ramamurthy	Signals and systems	e-resources	05/07/2018
Dr.T.Tirupal	Electronic Devices and Circuits	e-resources	12/07/2018
Dr. S. Prem Kumar	Software Engineering	e-resources	17/07/2018
Mr.G.Pandu Ranga Reddy	Control Systems	e-resources	02/08/2018
Dr.K.Srinivasulu	Discrete Mathematics	e-resources	17/07/2018
Dr.M.Rama Prasad reddy	Power systems	e-resources	18/07/2018
Mr.G.Sasi Kumar	Functional English	e-resources	28/07/2018
Ms.B.Suneetha	Applied Physics	e-resources	26/07/2018
Prof.Syed Afzal Basha	Concrete Technology	e-resources	20/07/2018
Dr.S.Venkateswarlu	Engineering Drawing	e-resources	13/08/2018
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Co	Computer	Internet	Browsing	Computer	Office	Departme	Available	Others
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	computers	Lab		centers	Centers		nts	Bandwidth (MBPS/GBPS)	
Existing	590	442	0	20	90	10	28	100	30
Added	120	96	0	10	0	0	14	0	10
Total	710	538	0	30	90	10	42	100	40

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
J-Gate Engineering and Technology	<a href="https://jgateplus.com">https://jgateplus.com</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
38	36.97	20	18.95

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute ensures effective allocation and utilization of the available financial resources for the maintenance and upkeep of different facilities like laboratory, Library, computers, class rooms and canteen by conducting regular meetings of various committees constituted for this purpose and using the grants received by the institution as per the requirements and interest of students. Laboratory: Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: (i) The calibration, repairing and maintenance of sophisticated lab equipment are done by the technicians of related owner enterprises. (ii) The laboratory equipment used for experiments are annually cleaned and maintained by the concerned departments and record of maintenance is maintained by lab technicians and supervised by HODs of the concerned departments. (iii) There is systematic disposal of waste of all types such as physical, chemical and e-waste. Library: The requirement and list of books is taken from the concerned departments and library committee is involved in the process. The finalized list of required books is duly approved and signed by the Principal. (i) Every year in the beginning of session, students are motivated to register themselves in library to use digital library services. (ii) The Library has special facility for physically challenged students in individual departments. (iii) Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. (iv) The proper account of visitors (students and staff) on daily basis is maintained. (v) Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee. Sports: Regarding the maintenance of cricket ground, indoor Badminton stadium, Basketball court Volley Ball court, Table tennis court and Gym on the college, sports committee consult physical directors. College students are actively participating in

district and university level cricket, football, volley ball, basketball, kabadi and badminton tournaments.

<http://www.gpcet.ac.in/wp-content/uploads/2020/08/Procedures-and-Policies-for-Infrastructural-facilities.pdf>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	0	0	0
Financial Support from Other Sources			
a) National	Andhra Pradesh State Fee Reimbursement Scheme	1460	30080950
b) International	0	0	0
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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Career Counselling	11/03/2019	426	Placement cell
Women Empowerment	10/12/2018	256	EDP Cell
Life Skills and Personality Development	04/03/2019	120	Talentio, Hyderabad
Seminar on Entrepreneurship Development	07/08/2018	80	EDP Cell
One Week Training on Employability Skills	17/12/2018	80	Soft skills Training Institute, Hyderabad
Program on Road safety Audit in association with A.P Roads and Transport Dept	01/08/2018	120	AP Police, Kurnool
Survey camp	12/09/2018	64	RB Kurnool
Induction Programme	12/09/2018	255	College Faculty
Yoga	02/08/2018	125	NSS Unit
Remedial coaching	17/09/2018	251	College Faculty
<a href="#">View File</a>			

#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited	Number of benefited	Number of students who	Number of students placed

		students for competitive examination	students by career counseling activities	have passed in the comp. exam	
2018	Placement and Training	0	458	325	256
2018	TCS Codevita	0	125	52	32
2019	GATE Coaching	120	0	6	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	1

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
31	356	119	28	126	108
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	B.Tech	CE	K.L. University	M.Tech
2019	2	B.Tech	EEE	JNTUA, Anantapur	M.Tech
2019	2	B.Tech	EEE	GPREC, Kurnool	M.Tech
2019	1	B.Tech	ME	IIT, Bhubaneswar	M.Tech
2019	1	B.Tech	ME	JNTUK, Kakinada	M.Tech
2019	4	B.Tech	ECE	K.L. University	M.Tech
2019	3	B.Tech	CSE	S.R.M. University	M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
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GATE	4
GRE	4
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#### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cricket	Institutional	135
Chess	Institutional	52
Basket Ball	Institutional	110
Shuttle Badminton	Institutional	86
Valley Ball	Institutional	55
Throw Ball	Institutional	40
Kabaddi	Institutional	100
Foot Ball	Institutional	65
Rangoli	Institutional	54
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	0	National	0	0	0	0
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#### 5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students are active members in committees like Board of Studies, Department Technical Associations, Technical clubs, Sports clubs, Cultural clubs and National Service Scheme (NSS) to cater the overall growth and success rate of the institution. Students are members of various professional bodies like IEEE, ISTE, CSI etc., where students organize and participate in technical activities. Further students are also involved in Anti ragging committee to create awareness about Ragging Act among fellow students. Student representatives actively participate in various activities. They help in coordinating all the events related to academics and other co-curricular and Extra-curricular activities, as per the direction of teaching faculty. They do lot of academic administrative work by taking the help of other students. They also motivate other students to take part in the activities conducted by the Institute. They work as a medium between faculty and students. The institution has a well functional student group which takes care for augmentation of various infrastructural, academic and administrative activities for student benefit and welfare. Youth festival was organized in the institution by the students in which various cultural activities were organized and the students were selected to represent the college at university level. The student's also took initiative and has been successfully running the science council of the institution. The students actively participated in programs like tree plantation, cleaning of college premises, swachh bharat abhiyan, blood donation camp etc. In the blood donation camp organize by students, the staff and

students donated blood for which they were given certificate. The students' group has also successfully conducted seminars and workshops for girl's safety, women helpline and eve teasing for safety of the college girls. The student's group also organizes annual sports in which many team and individual events were conducted and the winner was given mementos and trophies.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

G.Pullaiah College of Engineering and Technology has Strong Alumni Network. The alumni support the institution and contribute to its institutional and academic development. The college conducts Alumni meet every year at college campus and outside, to bring together all the alumni students to share their experiences with faculty. The alumni participate actively as the members of Board of Studies (BOS) and give valuable suggestions for framing innovative curriculum to include latest technologies, which meet industry requirements. Alumni association meets periodically to discuss the plan of activities during an academic year. The alumni regularly visit the campus during weekends and participate in knowledge sharing activities which would help current students to decide upon career either to opt for higher education or to seek placement in industry. Such talks by alumni to current students is gathering pace and helping the students to identify their career path. They also actively involve with training and placement cell in training students so that they become employable. They also assist students in getting internships in industry. Alumni help in arranging NSS extension activities such as blood donation camps, practical sessions on meditation and tree plantation. College regularly publishes the activities conducted during the academic year to all alumni in the form of periodical magazines and newsletters with valuable information useful to student's community. The institute has an automated alumni platform and automated mailing system for better alumni network. This alumni platform is also integrated with social media platform which allows the institution to manage all social media channels via a single point.

5.4.2 – No. of enrolled Alumni:

3259

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

01

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

In order to facilitate smooth conduct of various activities of administration and academics decentralization is being followed: The college promotes participatory management at various levels through administering academic and administrative activities in uniform way as far as possible. It adopts decentralization policy to effectively administer its functioning through various statutory and non-statutory committees. This helps in smooth conduct of academic, financial and administrative activities of the college. The statutory committees are Governing Body, Academic Council, Board of Studies and Finance Committee constituting with the members from Management, Principal, Faculty,

University Nominees, Industry Members and academicians from various reputed Institutions. The Governing Body delegates all the academic and operational decisions based on policy to the various monitoring committees headed by the Principal in order to fulfill the Vision and Mission of the Institute. The Non-Statutory committees are constituted with the members from Principal, Deans, HODs, Faculty and Staff. The following are the Non-Statutory committees: 1. Internal Quality Assurance Cell 2. Anti-Ragging Committee 3. Grievances and Redressal Center 4. Women Grievance Redressal Cell 5. SC / ST Cell 6. Placement and Training 7. Library Committee 8. Alumni Committee 9. Sports Committee 10. Entrepreneur Development Cell 11. Transport Committee 12. Disciplinary Committee 13. Time Table Committee 14. Research and Development 15. Admission Committee 16. Student Welfare, Co-Curricular, Extra Curricular Activities Committee 17. Examination Committee 18. Internal Complaints Committee 19. Planning and Evaluation Committee The roles and responsibilities are defined for each committee. The committee meets twice in a year.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The following are the various quality improvement strategies adopted by the institution for admission of students 1. Creating research culture in the campus and by involving students to develop working models and innovations. 2. By giving highest priority to the placement training and getting good number of placements 3. Monitoring the performance of the students by providing time to time performance to their parents. 4. Allotting mentors to each and every student to monitor their academic performance 5. Conducting curricular, co-curricular and extra-curricular activities regularly to encourage the students to showcase their talents. 6. Standardization of procedures on time and resources at the time of admission is aimed at improving the overall admission process.
Curriculum Development	In order to integrate the academic programmes and Institution's goals, the following are the various initiatives considered to supplement the University's curriculum in G.Pullaiah College of Engineering and Technology. ? The various gaps in the curriculum are identified by the faculty and topics are included in the delivery content to bridge these gaps ? Various Guest lectures, seminars, workshops are regularly arranged to create awareness on the current demands of industry. ?

Spoken English classes are also being held regularly to improve the communication skills of students. ? NSS also plays a major role in inculcating social responsibilities and orientation at community level among the students. ? Various short term training programmes are also conducted by the institution to the students in order to supplement the curriculum provided by the university. ? Additional experiments are also being performed in the laboratories beyond University prescribed experiments to enrich the students. ? The library is also well stocked with enough number of books and journals. ? The students are also encouraged to take up mini projects/internships during their semester break in order to enrich their practical knowledge

Teaching and Learning

In G.Pullaiah College of Engineering and Technology 1. Good Teaching Learning Processes is adopted. 2. Higher order learning is ensured through the use of e-learning platforms 3. Active learning methods (Project Based Learning, Flipped Class Room, Model Based Learning, Brain Storming, Think Aloud Pair Problem Solving, etc) 4. Experiential learning 5. Course end Mini Projects 6. Industrial visits 7. Collaborative Learning 8. MOOC's, SWAYAM and NPTEL 9. Guest lecture by experts from industry to augment current learning experience 10. Industry internships 11.Engineering Projects in Community Services 12. National level and Institute level Hackathons to promote student innovative learning capabilities 13. Skill Development Courses are introduced to make students industry ready

Examination and Evaluation

In G.Pullaiah College of Engineering and Technology 1. Double Valuation (Internal and External Examiners) 2. Provision to apply for Personal Verification 3. Bar coding 4. Introduction of Grade Point Average (GPA) 5. Revaluation 6. Results will be declared within 3 weeks after the completion of the examination. 7.Students can view the results through online portal 8.Malpractice committee/Flying squad committee/Disciplinary Committee for

smooth conducting of examinations 9. Semester End Examination Question paper is set by External Examiner

Research and Development

G.Pullaiah College of Engineering and Technology encouraging Research and Development by 1. Providing incentives for publishing research papers in referred journals with impact factor. 2. Providing financial Assistance, incentives and Academic Leaves to faculty for presenting and publishing Research papers in National/International Conferences/Seminars. 3. Sanctioning Academic leave for Research Work. 4. Special Interest Groups are established to carryout focused research in Emerging domains. 5. Organized Extension Lectures in specific domains. 6. Recognizing inspirational thinking of the students by awarding best student projects every year 7. Providing incentives to faculty for sanction of projects from external funding agencies. 8. Getting recognition for department research centers from Parent University. 9. Additional increments for acquiring Ph.D. 10. Providing seed money and In house funding for Research activities. 11. Deputation of faculty to participate in workshops and seminars. 12. Financial Support for patent filing. 13. Continuous upgradation of labs with the latest equipment and software to meet research needs. 14. Financial support is given to the students for executing Industry standard projects. 15. Expert lecture from industry personnel to get exposure on current research.

Library, ICT and Physical Infrastructure / Instrumentation

In G.Pullaiah College of Engineering and Technology, 1. Class rooms are equipped with LCD Projectors and Internet Facility. 2. Internet bandwidth of 100 MBPS. 3. Indoor stadium is available. 4. Gymnasium facility is created for both Boys and Girls. 5. Central Library has subscribed to many online journals. 6. All the PCs in digital library having access to internet. 7. Digital library access is given to all the students and faculty members for academic and research through internet where they can read latest research papers from the subscribed e-resources in the

college campus. 8. The library is to give a set of open access e-resources which include various forms such as e-books, e-journals, courseware and learning resources, technical report, manuals, manuscripts, 9. Establishment of Seminar halls with ICT enabled tools. 10. Installation of Lifts in blocks.

**Human Resource Management**

G.Pullaiah College of Engineering and Technology has excellent human resource management strategies. 1. Recruitment of faculty and staff is carried out as per AICTE norms 2. The recruitment procedures are well defined. 3. Teaching and Nonteaching posts are filled as per requirement 4. The recruitment is approved by the governing body 5. Faculty Recruited through local selection committee will be ratified by the University 6. The grievance cell addresses issues for both staff and students. 7. Salaries are paid through Bank for all the staff 8. Orientation programs / training are conducted for newly recruited faculty 9. Quality enhancement measures are taken by deputing faculty to FDPs/STTPs 10. Collecting online feedback and counseling/ Mentoring on regular basis.

**Industry Interaction / Collaboration**

.Pullaiah College of Engineering and Technology has 1. Industry Institute Interaction Cell has MoUs with reputed industries like TCS, CISCO and HP. 2. The collaboration is focused on industrial training, curriculum development, technical workshops and expert lectures. 4. Laboratories with Industry support are developed. 5. Faculty are deputed for Internship the concerned Industries. 8. Industry Person in Board of Studies as Member. 9. Innovation and Startups in collaboration with Industries.

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

E-governance area	Details
Administration	<p>1. The e-governance implemented effectively by using Google sheet for data collection from various departments. 2. The college has biometric attendance for teaching and non-teaching staff. 3. The college campus is equipped with CCTV cameras for close monitoring. 4. WhatsApp groups are used for awareness and smooth functioning of activities. 5.</p>

	Online leave requisition system is also implemented.
Examination	E-Governance is implemented effectively in examinations 1.To generate seat numbers and hall tickets 2. To generate class wise roll call list for all classes. 3. To print the exam seat number wise List. 4. To generate seating arrangement for University exams. 5. To enter of student marks online both internal and external examinations. 6. To register for elective subjects 6. To conduct comprehensive online examinations.
Planning and Development	1. To use ICT in the process of planning college-events and activities, institute uses personal e-mails. 2. Important notices and reports are also circulated via e-mails. 3.Upgraded computers were installed in the departments, examination center and seminar halls with internet facility 4. Implemented SMS system for dissemination of information to students.
Finance and Accounts	To produce immediate information in finance and accounts, the office is fully computerized to generate daily, monthly reports and salary statements.
Student Admission and Support	1. Student portal is developed which contain all the information about the student. 2. Students online attendance system 3. Online student feedback on faculty, facilities and TLP. 4. Online submission of assignments, 5. Online degree verification through college portal for employers

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	M.A.Farida	IEEE international conference on innovations in power and advanced computing technologies	IEEE	5000
2019	Dr.T.Tirupal	IEEE international	IEEE	5000

		conference on innovations in power and advanced computing technologies		
2019	Dr.M.Ramaprasad Reddy	International conference on advances in signal processing, power, embedded, soft computing, communication and control systems	ICSPECS-2019	8000
2019	Dr.N.Ramamurthy	International conference on advances in signal processing, power, embedded, soft computing, communication and control systems	ICSPECS-2019	8000
2019	Dr.KCT Swamy	International conference on advances in signal processing, power, embedded, soft computing, communication and control systems	ICSPECS-2019	8000
2019	Dr.KCT Swamy	IEEE international conference on innovations in power and advanced computing technologies	IEEE	2500
2018	S.Vinay Babu	Benefits of Engaging with International Organizations	IEEE	2500
2018	Dr.N.Ramamurthy	One week FDP on Outcome based education	IEEE	2500
2018	Dr.G.Pandu	Pedagogical	IEEE	1000



	Ranga Reddy	Skills For Outcome Based Education		
2018	Dr.G.Pandu Ranga Reddy	Benefits of Engaging with International Organizations	IEEE	2500
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One week FDP on Internet of Things by EICT Academy, NIT Warangal		17/06/2019	22/06/2019	55	0
2019	Industrial Automation Using PLC HMI Its Applications		27/06/2019	29/06/2019	25	0
2019	Two day Workshop on BIM Technologies		13/03/2019	14/03/2019	10	0
2019	FDP on Data science and its Engineering Applications using Python		24/06/2019	29/06/2019	50	0
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP201X - Pedagogy for Online and Blended Teaching	8	30/10/2018	12/12/2018	45

g-Learning Process				
Foundation Program in ICT for Education	12	18/09/2018	18/10/2018	30
Outcome based education	14	06/05/2019	11/05/2019	06
IoT and its applications	8	17/06/2019	22/06/2019	06
Industrial Automation using PLC HMI - Its Applications	14	27/06/2019	29/06/2019	03
Pedagogical Skills For Outcome Based Education	12	16/11/2018	17/11/2018	02
Benefits of Engaging with International Organizations	9	04/08/2018	04/08/2018	01
FDP on Data science and its Engineering Applications using Python	20	20/06/2019	26/06/2019	06
Building Information Modelling Workshop	10	13/03/2019	14/03/2019	02
APSSDC Workshop on AutoCAD	8	08/02/2019	13/02/2019	06
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
14	14	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1- (Health Accidental Insurance)	1- (Health Accidental Insurance)	1- (Health Accidental Insurance)

**6.4 – Financial Management and Resource Mobilization**

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

The Institute has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purposes. Towards the end of every year, the budget is prepared centrally well in advance after taking into consideration the requirements of

every department coupled with the strategic objectives of the institution. The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for advance/additional funds. The Governing Body approves the annual expenditure, scrutinizes the balance sheet and provides feedback for further optimal use of financial resources. Financial audits are conducted by a certified auditor every financial year to verify the compliance with established financial processes. The institute has a mechanism for internal and external audit. We have our internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire income and expenditure and the capital expenditure of the institute each year. The team of identified staff performs a thorough check and verification in each financial year. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institute regularly follows Internal, external financial audit system.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

6.4.3 – Total corpus fund generated

0
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO (BMQR Certification Agency )	Yes	IQAC
Administrative	Yes	ISO (BMQR Certification Agency )	Yes	IQAC

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

It is well known that good parent-teacher association needs to be existent in order to know about the student progress and also monitor his performance in and outside the Institution. In view of this the following are the various activities that are being carried out as a part of parent-teacher association.

1. Parents are invited to meet the mentors in order to know their ward's performance.
2. Parents can also meet the HODs to know the all-round performance of their ward.
3. Every year a meeting between Parent and Teacher would be held which facilitates discussion of student progress like academic progress and performance in examinations.
4. Further the Parent -Teacher meeting paves way for suggestions to improve the performance of student.

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

1. Two Days work Shop on MS-Word and Excel.
2. One day training on Analog discovery kits.
3. Workshop on Lab view
4. Training programmes -software AUTO CAD and CATIA

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

1. EEE, CSE and ECE courses are accredited by NBA 2. Established Research and Development Cell to foster academic research among staff and students. 3. Enhanced the usage of ICT by faculty in the teaching-learning process. 4. Initiatives taken for a green campus and solar electricity. 5. Recognized Center as Institution Innovation Council approved by MHRD, India

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Workshop on how to publish papers in reputed Journals	05/10/2018	05/10/2018	05/10/2018	125
2018	Mathematical Programming for Solving Mechanical Engineering Problems	11/09/2018	11/09/2018	12/09/2018	15
2019	Workshop on outcome based education	04/05/2019	04/05/2019	05/05/2019	155
2019	FDP on Data science and its Engineering Applications using Python	24/06/2019	24/06/2019	29/06/2019	48
2019	One Week Workshop on Industrial Automation- PLC SCADA	04/02/2019	04/02/2019	09/02/2019	26

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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants
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			Female	Male
Self-Defense Workshop for girls organized by NSS	14/08/2018	14/08/2018	125	0
Seminar on Gender Sensitization	19/09/2018	19/09/2018	56	43
Expressing opinion on domestic and sexual violence	25/10/2018	25/10/2018	107	57
Women's Rights and Access to Criminal Justice System	25/01/2019	25/01/2019	81	0
Women Empowerment: Rhetoric Versus Reality	27/02/2019	27/02/2019	128	29
Seminar on International women day	08/03/2019	08/03/2019	89	26

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
40 percent

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	6
Ramp/Rails	Yes	6

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	12/09/2018	1	Awareness on Eco friendly Ganpati Idol	To save water from pollution	254
2018	1	1	28/09/2018	1	Blood Donation Camp	To donate blood to the Red Cross	106

						society of India	
2018	1	1	15/10/2018	1	Abdul Kalam birth day	To create innovative thinking and implementation	458
2018	1	1	30/10/2018	1	Women self protection	To create awareness in women to defend their self	287
2019	1	1	05/01/2019	1	Road safety program	To drive safely with driving license and by wearing helmet and following traffic rules	324
2019	1	1	03/04/2019	1	New voter registration	To create awareness about the value of the vote in eligible students	168
2019	1	1	21/06/2019	1	Yoga day	Advantages of Yoga	105
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student hand book	09/07/2018	A student hand book is distribute to all the students which contain the details like programs offered, choice based credit system, academic requirements, award of degree and class, placement and training details, anti-ragging act, mentor details, transportation facility, academic calendar, student corner etc.

Code of conduct students

06/08/2018

1. Each student is expected not to indulge in any activity, which is likely to bring disrepute to the college. 2. He should show due respect and courtesy to the teachers, administrators, officers and employees of the college and maintain cordial relationships with fellow students. 3. Lack of courtesy, decorum, indecorous behavior or untoward attitude both inside and outside the college premises is strictly prohibited. 4. Willful damage or discard of Institute's property or the belongings of fellow students are not at all accepted. 5. Creating disturbance in studies or adopting any unfair means during the examinations or breach of rules and regulations of the Institute or any such undesirable means and activities shall constitute violation of code of conduct for the student. 6. Ragging in any form is strictly prohibited and is considered a serious and punishable offence as per law. It will lead to the expulsion of the offender from the college. 6. Violation of code of conduct shall invite disciplinary action which may include punishment such as reprimand, disciplinary probation, debarring from the examination, withdrawal of placement services, withholding of grades/Degrees, cancellation of registration, etc., and even expulsion from the college.

Code of conduct for  
faculty

02/07/2018

All the faculty shall follow the rules/responsibilities at all times. Non-compliance or Non-adherence to the rules/regulations will be treated as negligence of duties and suitable disciplinary action will be taken against such staff members GENERAL RULES ? The Faculty need to come to the college on time and stay within the campus during the working hours of the College ? The faculty shall carry out the various responsibilities being assigned to him/her with respect to teaching/research/consultancy with honesty and in unbiased manner with total commitment ? The faculty members need to conduct themselves in a professional and cooperative manner and take necessary precautions to protect the equipment and facilities of the College ? Attend and participate actively in meetings called by the HOD, Dean and Principal and also take up additional duties and responsibilities prescribed by the Principal/Management apart from Academic and Examination duties ? The faculty at the level of Professor/Associate Professor is expected to undertake Research/Consultancy activities in addition to teaching. ? The faculty need to wear a decent and formal dress and shall not engage in private tuitions outside the College ? The faculty shall complete the evaluation work of Internal Examinations and



External Examinations (if appointed) on priority without prejudice to the normal functioning of the College ? An employee against whom Criminal Proceedings are initiated in a Court of law shall immediately inform the competent authority of the College regarding the details thereof. ? A faculty deputed/permitted for an assignment outside the college, needs to submit the proof of attendance after reporting back to the college BEHAVIORAL ? The faculty members need to exhibit high standard of ethical behavior and need to conduct themselves in a very professional manner. ? No employee shall make any statement, publish or write through any media which has the effect of an adverse criticism of any policy or action of the College or detrimental to the interests of the College ? No employee shall take part in politics or be associated with any party or organization which takes part in political activity, nor shall subscribe in the aid or assist in any manner any political movement or activity. ? The faculty shall not indulge in rude behavior/comment against superiors, verbal attacks which are threatening, abusive in nature or go beyond fair and professional conduct . ? The faculty shall not involve in authorized activities leading to personal financial benefits ACADEMIC ? The faculty shall conduct the class work as per the schedule assigned to them

? To maintain a record of course file and lesson plan for the courses handled by them. ? To make the students participate in various professional body activities and apply innovative ideas during class room teaching and practical sessions. ? The faculty shall share information, enable the students work on projects and make them reflect on learning done in internships thus improving the teaching and learning process.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Tips to become a successful Engineer	10/07/2018	10/07/2018	568
Life transformation	14/08/2018	14/08/2018	624
How to improve Human relations	10/09/2018	10/09/2018	356
Engineers Day	15/09/2018	15/09/2018	542
Leadership Qualities and stress management	01/10/2018	01/10/2018	564
Shakti Team Awareness Programme on Social Issues	05/01/2019	05/01/2019	243
Character Development	25/01/2019	25/01/2019	238
Preserve our culture and heritage	07/03/2019	07/03/2019	358
International Yoga day	26/06/2019	26/06/2019	105
<a href="#">View File</a>			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Use of Solar energy in the campus to meet some requirements of the total usage
2. Rain water harvesting
3. Tree plantation in the campus
4. Recycling of water
5. Reduce printing by reading on-screen(Think before printing)

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL INSTITUTIONAL BEST PRACTICES

**BEST PRACTICE -1** Title of the Practice: Implementation of innovative methods in teaching - learning process  
Goal of the Practice: ? Driving the concepts home through project based learning approach ? Learning by doing ? Inculcating cognitive computational thinking and programming capabilities ? Design and development of efficient and economical ways of solving real life problems  
Context: The current practice of paper based evaluation system in the middle and end of the semesters is not giving much scope to students to apply their concepts to develop a product or a service that solve a real life problem. There is a growing need for tools both hardware software which will prompt the students to think innovatively and come up with the solutions that are time cost effective  
Practice Students who build circuits in their very first year of engineering using electronic workbenches can design circuits to address practical problems by the time they reach final year. Programming has become an enigma for many engineering students. Using innovative software tools like programming workbench will motivate them to learn and apply code to solve practical problems Also, e-Learning through Virtual labs, YouTube videos, MOOCS, TED lectures and other related sources make learning easy and pleasurable  
Evidence of success: More and more students participating in Coding and IoT design competitions. Students developing IT Engineering products for solving existing problems or for new applications  
Problems encountered and Resources required. It takes a lot of time and effort to get acceptance of teachers students to embrace new technologies.

**BEST PRACTICE -2** Title of the Practice: e- Governance  
Goal of the Practice: The goal of the practice is to provide effective and easy way to automate the functionalities of the Institute and to provide information about the students and staff to the stake holders by way of digital campus software and college website. Digital campus software which is being used by our institute provides various types of educational related services like maintaining attendance, internal marks, work load of staff members, leave history, mentoring data etc., thereby reducing human error and paper work. The college website [www.gpcet.ac.in](http://www.gpcet.ac.in) provides information about the various departments of the institution, vision, mission, placement details, facilities provided etc.  
Context: Our institute has an intake of 600 UG students and 174 PG students every year and has a total strength of around 3000 students in the campus. To maintain the records of all these students manually is a huge task and there are chances of committing errors. Hence digital campus software is being used by our Institute to store information about various types of educational related services like maintaining attendance, internal marks, work load of staff members, leave history, mentoring data etc., thereby reducing human error and paper work.  
Practice: Digital campus software is loaded with main features like Admissions, Academics, Correspondence, Library, Administration etc. by which the details of attendance, internal marks, work load of staff members, leave history, back logs of students, mentoring data etc. which can be accessed when necessary by both the staff as well as the student using their Login Id and Passwords. The access to the software can also be done through the institute website [www.gpcet.ac.in](http://www.gpcet.ac.in).  
Evidence of Success ?  
The information regarding any student or staff can be accessed in minimum amount of time. ? The analysis of marks and attendance can also done easily. ? As the log-in access is also given to the parents, the parents are being able to access the information about attendance, marks etc of their wards in minimum amount of time. ? Effective management of resources. ? Interaction between the faculty and students has also increased. ? The information is stored centrally and no redundant data is stored. Problems encountered and Resources required ? There will be problem in accessing the data when the network is down. ? There is a chance of files getting corrupted. ? A separate high configuration server

is to be allotted for this software.

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

<http://www.gpcet.ac.in/wp-content/uploads/2020/08/Institutional-Best-Practices.pdf>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

**G.PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL INSTITUTIONAL DISTINCTIVENESS** The vision of the institute focuses on global standards, value-based education with ethics, interdisciplinary research, and sustainable development. The institute has established its distinctive approach towards this comprehensive vision by planning unique mission to involve the students in research and development with ethical values. The institutional distinctiveness is expressed in terms of (i) Excellence in Academics (ii) Exploration of Knowledge through Research (iii) Excitement of Innovation Entrepreneurship (iv) Development of manpower with Global Vision and Social Responsibility. (i) **Excellence in Academics:** A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching-learning methods blended with ethical values. It outlines the commitment to academic performance expected of all students. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them. (ii) **Exploration of Knowledge through Research:** The course based projects, social impact projects, certificate courses offered by the institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The research centre of the institute is equipped with advanced level research laboratories to facilitate the academic and sponsored projects. (iii) **Excitement of Innovation and Entrepreneurship:** The institute provides a platform to business start-ups to develop their ideas into commercially viable products. The students participate in the big idea competition and the best ideas are rewarded. Extra hour lab facilitates the students to work on innovative project ideas. The innovative cell encourages the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials. Entrepreneur development cell crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship. (iv) **Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility:** Participation of students in co-curricular activities and extracurricular activities helps to enhance all rounded personality to strongly face the turbulent road of the future. Experiences and appreciations gained through these activities assist students during internships. Career guidance, personal counseling and training are well structured through mentoring and training placement centre. Student participation in these activities is facilitated through professional bodies and student associations. Since the vision of the Institute focuses on comprehensive and sustained growth of the students and that of the Institute along with its student community which leads to appreciable, all-round performance by assuring global standards through value-adding education and interdisciplinary research paving ways to sustainable development

Provide the weblink of the institution

<http://www.gpcet.ac.in/wp-content/uploads/2020/08/Institutional-Distinctiveness.pdf>

## 8.Future Plans of Actions for Next Academic Year

1. To participate in NIRF ranking and get better rank 2. To apply for NBA extension for ECE, CSE and EEE branches 3. To apply for extension of UGC autonomous status 4. To motivate faculty to publish more number of papers in reputed journals 5. To encourage the faculty to file good number of patents 6. To Establish research centre 7. To conduct Academic and Administrative Audit 8. To organize training programs for non-teaching Staff 9. To conduct career guidance programs for students 10. To arrange GATE coaching for the students 11. To train the faculty in programming languages