



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	G. PULLA REDDY ENGINEERING COLLEGE
Name of the head of the Institution	Dr B SREENIVASA REDDY
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08518270957
Mobile no.	9490332609
Registered Email	principal@gprec.ac.in
Alternate Email	principalgprec@gmail.com
Address	Nandyal Road, Kurnool Andhra Pradesh-518007
City/Town	Kurnool
State/UT	Andhra Pradesh
Pincode	518007

<b>2. Institutional Status</b>																															
Autonomous Status (Provide date of Conformant of Autonomous Status)			19-Jun-2006																												
Type of Institution			Co-education																												
Location			Rural																												
Financial Status			private																												
Name of the IQAC co-ordinator/Director			Dr R Praveen Sam																												
Phone no/Alternate Phone no.			08518270957																												
Mobile no.			9533050555																												
Registered Email			iqac@gprec.ac.in																												
Alternate Email			rpraveensam.cse@gprec.ac.in																												
<b>3. Website Address</b>																															
Web-link of the AQAR: (Previous Academic Year)			<a href="https://www.gprec.ac.in/mandatory-disclosures/#iqac">https://www.gprec.ac.in/mandatory-disclosures/#iqac</a>																												
<b>4. Whether Academic Calendar prepared during the year</b>			Yes																												
if yes,whether it is uploaded in the institutional website: Weblink :			<a href="https://www.gprec.ac.in/academics/academic-calendar/">https://www.gprec.ac.in/academics/academic-calendar/</a>																												
<b>5. Accrediation Details</b>																															
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>3.14</td> <td>2005</td> <td>28-Feb-2005</td> <td>27-Feb-2010</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.14</td> <td>2011</td> <td>30-Nov-2011</td> <td>29-Nov-2016</td> </tr> <tr> <td>3</td> <td>A+</td> <td>3.52</td> <td>2017</td> <td>12-Sep-2017</td> <td>11-Sep-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	3.14	2005	28-Feb-2005	27-Feb-2010	2	A	3.14	2011	30-Nov-2011	29-Nov-2016	3	A+	3.52	2017	12-Sep-2017	11-Sep-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity																											
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1	B+	3.14	2005	28-Feb-2005	27-Feb-2010																										
2	A	3.14	2011	30-Nov-2011	29-Nov-2016																										
3	A+	3.52	2017	12-Sep-2017	11-Sep-2022																										
<b>6. Date of Establishment of IQAC</b>			29-Apr-2005																												
<b>7. Internal Quality Assurance System</b>																															

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
One week Faculty Induction Programme	25-Jun-2019 6	44
Two week Student Induction Programme	16-Jul-2018 14	780
AQAR submission to NAAC	08-Sep-2018 1	10
Academic Audit by external members	02-Sep-2018 1	3
Participation in NIRF	04-Apr-2019 1	8
NBA Accreditation for two programmes	01-Feb-2019 3	5
Administrative Audit	15-May-2019 15	40
Participation in AISHE of MHRD	10-Jan-2019 20	6
Regular IQAC meetings	02-Jul-2018 1	12
<a href="#">View File</a>		

**8. Provide the list of Special Status conferred 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
Institution	FIST	DST	2017 5	3000000
Institution	CPE	UGC	2016 5	7000000
Departments	Research Centre	GPREC	2017 3	800000
Institution	APSSDC-Siemens	Govt. of AP	2016 5	3000000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	6

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

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

Implementation of attainment of COs, POs, PSOs in all departments.

Soft skill programs and personality development programmes for students intended to improve placements.

College received Conference, FDP and Travel grants from AICTE UGC.

Conduct of Faculty Induction Programmes.

Construction of Boys Hostel within the campus.

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**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**

Plan of Action	Achivements/Outcomes
To arrange Technical tours for III B.Tech students.	Technical tours for III B.Tech EEE & CE students were arranged. Students are exposed to latest technological developments in real time environment.
To apply for renewal of fourth cycle of NBA accreditation for ECE and CSE branches in 2018-19.	NBA expert committee visited the College and accredited both UG programmes namely ECE and CSE programmes.
To improve the consultancy services in 2018-19.	Improvement in terms of number of clients, revenue has been observed.
To append laboratories with latest equipment matching with the needs of the industry and society.	Keeping in view the needs of Industry and profession, all the laboratories were equipped with latest equipment.
To encourage faculty to publish more research papers in peer reviewed SCI/Scopus journals.	As part of Research and Development activities, college encourages faculty to publish more research papers in peer reviewed SCI/Scopus journals by providing incentives. All the regular faculty members

To apply for externally research funded projects.	As per the guidelines issued by funding agencies from time to time, adequate number of proposals have been submitted to various agencies like AICTE, UGC, DST etc				
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">Name of Statutory Body</td> <td style="width: 50%; text-align: center;">Meeting Date</td> </tr> <tr> <td style="text-align: center;">College Academic Council</td> <td style="text-align: center;">17-Nov-2018</td> </tr> </table>		Name of Statutory Body	Meeting Date	College Academic Council	17-Nov-2018
Name of Statutory Body	Meeting Date				
College Academic Council	17-Nov-2018				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes				
Date of Visit	28-Dec-2018				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2019				
Date of Submission	18-Jan-2019				
<b>17. Does the Institution have Management Information System ?</b>	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The information regarding the details of all faculty, staff and students has been computerized and the required data shall be retrieved in the prescribed format as and when needed. ? WiFi: Campus is connected through WiFi. ? College Website : The following information is displayed on the college website ? Mode of Online fees payment by students. ? Notifications, Instructions, circulars, results, Exam schedules and other notices for students are displayed on college website. ? Departmental related information is displayed under each departmental link. ? Information related to Placements, alumni, infrastructure and achievements are displayed. ? Face book account has been created for the college to keep all the stakeholders updated on the latest news regarding college. ? Bulk SMSes are sent to all students and faculty</p>				

members as and when needed. ? Students can opt for open electives through online and also register online

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	CE	Civil Engineering	18/05/2019
BTech	ME	Mechanical Engineering	18/05/2019
BTech	ECE	Electronics & Communication Engineering	18/05/2019
BTech	CSE	Computer Science & Engineering	18/05/2019
BTech	EEE	Electrical & Electronics Engineering	18/05/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	02/07/2018	Soft skills Lab (HU204), Advanced Communication skills Lab (HU203), Industrial training / CAA, Remote Sensing GIS (OEI), Building Information Modelling (BIM)	02/07/2018
BTech	Mechanical Engineering	02/07/2018	Nano Technology (OE306), Optimization techniques (OE308), Product Life Cycle Management (OE317), Simulation of Engineering	02/07/2018

			Systems (OE318), Robotics (OE404), 3D Printing (OE405)	
BTech	Electronics & Communication Engineering	02/07/2018	Embedded Systems and Programming(EC308) , Python Programming (ECEL1), Internet of Things (ECEL6), Artificial Intelligence Expert Systems (OE301), Scientific Programming with Python (OE314), Robotics and Automation (ECO6), Nano Technology (OE306)	02/07/2018
BTech	Computer Science & Engineering	02/07/2018	Advanced Communication Skills Lab (HU203) Soft Skills Lab (HU204) Cloud Computing (CS409) Big Data Analytics (CS403) Algorithms & Big Data Lab (CS410) Python Programming (ECEL1)	02/07/2018
BTech	Electrical & Electronics Engineering	02/07/2018	Renewable Energy Systems (OE309) Fuzzy Logic & Neural networks (OE315)	02/07/2018
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## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Building Information Modelling	03/12/2018

BTech	Tutorial Program for training on Hebeon platform	03/12/2018
BTech	Introduction to Aeronautical Engineering	03/12/2018
BTech	Hydraulics and Pneumatics	03/12/2018
BTech	Non Destructive Testing	03/12/2018
BTech	Mechanical Behaviour of Materials	03/12/2018
BTech	Cryogenics	03/12/2018
BTech	Design of Heat Transfer Equipment	03/12/2018
BTech	Micro Electro Mechanical Systems	03/12/2018
BTech	Energy Conservation and Management	03/12/2018
BTech	Advanced Data Structures	03/12/2018
BTech	Probability & Statistics	03/12/2018
BTech	Ethical Hacking	03/12/2018
BTech	Artificial Intelligence & Expert Systems	03/12/2018
BTech	IoT	03/12/2018
BTech	IoT Applications to Electrical Engineering	03/12/2018
BTech	Bio-medical Instrumentation	03/12/2018
BTech	Industrial Automation and Control	03/12/2018
BTech	Introduction to Hybrid & Electric Vehicles	03/12/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Elective Course System	02/07/2018

### 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
Ethical Hacking	02/07/2018	70
Constitution of India	02/07/2018	780
Managerial Economics Financial Accountancy	02/07/2018	780
Soft Skills	02/07/2018	780



Advanced Communication Skills	02/07/2018	780
Environmental Studies	02/07/2018	780
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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	CE	30
BTech	ME	114
BTech	ECE	76
BTech	CSE	26
BTech	EEE	75
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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
<p>Feedback is obtained from various stake holders like students, teachers, employers, alumni and parents periodically. It is analysed and made use of for the overall development of the Department and institution. Student feedback on facilities / Faculty would be utilized for seeking better facilities and improvement in teaching skills of faculty. Students' feedback is essential for improving the standards of functioning of the Department / Institution. Feedback on various issues like achievement of Course Outcomes, Program Outcomes is very important for the Department / Institution in assessing the various parameters / features of Outcome Based Education (OBE). Feedback obtained from employers would be utilized in the planning for enhancement of employability skills. Feedback obtained from Alumni would be used as an input for revision of syllabus and improvement of existing facilities. Parents' feedback forms an important component in the formulation of the Vision and Mission statements of the Department as well as the Institution.</p>

## 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	CE	120	134	120
BTech	ME	180	191	180

BTech	ECE	180	198	180
BTech	CSE	180	202	180
BTech	EEE	120	132	120
Mtech	CAD/CAM	18	6	6
Mtech	SE	18	18	18
Mtech	CSP	18	0	0
Mtech	VLSI&ES	18	17	17
Mtech	TSES	18	7	7
Mtech	CSE	18	17	17
Mtech	PE	18	9	9
<a href="#">View File</a>				

## 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	3486	172	172	21	8

## 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
201	172	5	55	5	2

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

An elaborate student mentoring system has been put in place by the Department / Institution aimed at the overall development of the students. Each Department makes it a practice to attach about 15 to 20 students to each of its faculty members for mentoring purpose. Once attached to a particular mentor (Faculty member), the students (Mentees) continue to be mentored till the end of the UG programme (Completion). Mentor would meet the mentees at an appointed time (Specific time slot, provided for, in the regular timetable). Mentor is expected to monitor the academic development of his/ her mentees using a series of interactions, discussions, advices and suggestions. The mentoring process is reviewed periodically and mentors would give a report on the activities. This approach is flexible and can be suitably modified in terms of its content. For effective mentoring, the mentors themselves are given guidelines by the higher authorities including the Head of the Department and Principal.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3658	201	1 : 20

## 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
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10	10	0	0	2
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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
2019	Dr R Praveen Sam	Professor	Adarsh Vidya Saraswathi Rashtriya Puraskar by Global Management Council, Ahmedabad
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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
BTech	CE	VI Sem	29/04/2019	13/05/2019
BTech	ME	VI Sem	29/04/2019	13/05/2019
BTech	CSE	VI Sem	29/04/2019	13/05/2019
BTech	ECE	VI Sem	29/04/2019	13/05/2019
BTech	EEE	VI Sem	29/04/2019	13/05/2019
BTech	CE	VIII Sem	23/04/2019	13/05/2019
BTech	ME	VIII Sem	23/04/2019	13/05/2019
BTech	CSE	VIII Sem	23/04/2019	13/05/2019
BTech	ECE	VIII Sem	23/04/2019	13/05/2019
BTech	CE	III Sem	17/11/2018	24/12/2018
BTech	ME	III Sem	20/11/2018	24/12/2018
BTech	CSE	III Sem	20/11/2018	24/12/2018
BTech	ECE	III Sem	20/11/2018	24/12/2018
BTech	EEE	III Sem	20/11/2018	24/12/2018
BTech	CE	V Sem	22/11/2018	24/12/2018
BTech	ME	V Sem	22/11/2018	24/12/2018
BTech	CSE	V Sem	22/11/2018	24/12/2018
BTech	ECE	V Sem	22/11/2018	24/12/2018
BTech	EEE	V Sem	22/11/2018	24/12/2018
BTech	CE	VII Sem	17/11/2018	24/12/2018
BTech	ME	VII Sem	17/11/2018	24/12/2018
BTech	CSE	VII Sem	17/11/2018	24/12/2018
BTech	ECE	VII Sem	17/11/2018	24/12/2018

BTech	EEE	VII Sem	17/11/2018	24/12/2018
BTech	CE	I Sem	22/12/2018	28/01/2019
BTech	ME	I Sem	22/12/2018	28/01/2019
BTech	CSE	I Sem	22/12/2018	28/01/2019
BTech	ECE	I Sem	22/12/2018	28/01/2019
BTech	EEE	I Sem	22/12/2018	28/01/2019
BTech	CE	IV Sem	25/04/2019	13/05/2019
BTech	ME	IV Sem	27/04/2019	13/05/2019
BTech	CSE	IV Sem	27/04/2019	13/05/2019
BTech	ECE	IV Sem	27/04/2019	13/05/2019
BTech	EEE	IV Sem	27/04/2019	13/05/2019
BTech	EEE	VIII Sem	23/04/2019	13/05/2019
BTech	CE	II Sem	16/05/2019	04/07/2019
BTech	ME	II Sem	16/05/2019	04/07/2019
BTech	CSE	II Sem	16/05/2019	04/07/2019
BTech	ECE	II Sem	16/05/2019	04/07/2019
BTech	EEE	II Sem	16/05/2019	04/07/2019
Mtech	CSE, SE, VLSI, CSP , TSES, CAD/CAM, P E	I M.Tech	12/02/2018	27/03/2018
Mtech	CSE, SE, VLSI, CSP , TSES, CAD/CAM, P E	II M.Tech	30/08/2018	06/10/2018
Mtech	CSE, SE, VLSI, CSP , TSES, CAD/CAM, P E	I.M.Tech	30/01/2019	09/03/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	858	0

## 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)

<https://www.gprec.ac.in/programs-offered/#>

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
CE	BTech	CE	138	104	75.3

ME	BTech	ME	204	164	80.3
CSE	BTech	CSE	180	151	83.8
ECE	BTech	ECE	202	168	83.1
EEE	BTech	EEE	134	106	79.1
M.TECH	BTech	M.TECH	53	53	100
<a href="#">View File</a>					

## 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)

<https://www.gprec.ac.in/igac/naac-student-satisfaction-survey-2019.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr M. Harsha Vardhan Reddy B.Madhusudhan Reddy E.Siva Reddy
<a href="#">View File</a>

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	K. Tharani	Research fellowship for pursuing Doctoral degree	20/12/2018	NIT Warangal
<a href="#">View File</a>				

### 3.2 – Resource Mobilization for Research

3.2.1 – 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	2	AICTE	11.4	1.08
Projects sponsored by the University	5	G.Pullu Reddy Engineering College/UGC (CPE)	70	10
Any Other (Specify)	5	DST	30	5
<a href="#">View File</a>				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

### 3.3 – Innovation Ecosystem

3.3.1 – 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
Artificial Intelligence and Machine Learning	ECE	25/09/2018
Embedded Systems	ECE	07/08/2018
Non Destructive testing	ME	17/12/2018
Training on Python programming	CSE	04/03/2019
Intensive Google Android Developer Fundamentals Training	ECE	06/05/2019
Workshop on VLSI Fabrication Principles and FPGA Design Flow (VFPPD19)	ECE	10/01/2019
<a href="#">View File</a>		

3.3.2 – 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
Tracking of Vehicles using Artificial Intelligence	Innovation Award	Govt. of AP	03/10/2018	State Level
Efficient Energy Management Systems for Smart Homes using IoT and Bigdata	Innovation Award	JNTUA, Anantapur	05/12/2018	State Level
Smart Irrigation	Innovation Award	Govt. of AP	03/10/2018	State Level
<a href="#">View File</a>				

3.3.3 – 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
1	GPREC Incubation Centre	GPREC Management	NA	NA	02/07/2018
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### 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CE	1
ECE	2
ME	2
EEE	2
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	CE	22	6.58
National	ECE	39	3.90
National	ME	22	2.80
National	EEE	23	3.06
National	CSE	51	3.50
National	HBS	13	2.10
<a href="#">View File</a>			

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

Department	Number of Publication
CE	18
ECE	43
ME	16
EEE	9
CSE	11
<a href="#">View File</a>	

#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A System For Managing Power Conductors	Filed	2018410422	02/08/2018
Computer Automated Method for Detection of Brain Tumour	Filed	2019410083	02/08/2018
Fuel Flow Volume measuring device	Published	2018410380	02/08/2018
Automatic laptop lid closing device	Published	2018410052	02/08/2018
A Smart comb with Machine Learning	Published	2019410012	02/08/2018
<a href="#">View File</a>			

#### 3.4.5 – 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
Experimental study on bubble deck slab with Special hallow balls	Dr. K V S Gopala Krishna Sastry	International Journal of Management IT Engineering (IJMIE)	2018	0.67	G Pulla Reddy Engineering College	0
Study of the effluent of GGBS on the self healing ability of high strength concrete with crystalline admixture	Dr. T. Chandra Sekhara Reddy	Journal of Engineering Technologies and Innovation Research(JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
Effect of Copper slag on fume aggregate on the projection of high strength concrete	Sri. K. Sudhakar Reddy	Journal of Engineering Technologies and Innovation Research(JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
Study on Mechanical and Corrosion characteristics of Self compacting concrete (M30)	Sri. K. Sudhakar Reddy	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	0.67	G Pulla Reddy Engineering College	0
Study of the effect of quartz powder on compressive strength in ultra high performance concrete	Dr. T. Chandra Sekhara Reddy	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	0.67	G Pulla Reddy Engineering College	0



Mechanical properties of Geopolymer concrete with concentrated sisal and coil fibers	Sri. G Nagesh Kumar	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	0.67	G Pulla Reddy Engineering College	0
Physical and Mechanical properties of Recycled Aggregates and treated Recycled aggregate	Sri. G Nagesh Kumar	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	0.67	G Pulla Reddy Engineering College	0
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Experiment	K.Madhavi	International	2019	0.11	G Pulla	0

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Accident Analysis and Evaluation in Urban Areas using Goodness of Fit Test	T. Sowjanya	International Journal of Recent Technology and Engineering (IJRTE)	2019	0.11	G Pulla Reddy Engineering College	0
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Behavior of GFRP Wrapped RC columns under Axial compression	M. Chandraiah, C.V.K. Chaitanya Kumar	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2019	0.11	G Pulla Reddy Engineering College	0
A Study on Index Properties of	Dr. J.V. Gurumurthy, Dr. E. Sanjeeva	International Journal of Civil Engi	2019	0.11	G Pulla Reddy Engineering College	0

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Optimal Feature Selection By Distribution Diversity For Sentiment Analysis	A.V.R.Mayuri	International Journal Of Innovative Technology And Exploring Engineering (Ijitee)	2019	0.11	G.Pulla Reddy Engineering College	0
Automatic Random Question Paper Generation	Dr. A. V. R. Mayuri	International Journal of Management Technology and Engineering	2019	0.11	G.Pulla Reddy Engineering College	0
Software Engineering : Requirements Elicitation Techniques, Issues And Challenges	S Vinay Kumar,	International Journal Of Engineering Research And Application	2019	0.11	G.Pulla Reddy Engineering College	0

In Industry						
Effective Use Of Ict Tools In Open And Distance Learning	Dr. A. V. R. Mayuri	Journal of Emerging Technology and Innovative Research	2019	0.11	G.Pulla Reddy Engineering College	0
Deep Stock Prediction Using Visual Interpretation: Deep Clue	B.Dilip Kumar Reddy	International Journal of Recent Technology and Engineering	2019	0.11	G.Pulla Reddy Engineering College	0
Room Temperature Control, Lightening Condition And Fire Alarm Suppression Using 802.11 Protocol	B.Dilip Kumar Reddy	Suraj Punj Journal	2018	0.67	G.Pulla Reddy Engineering College	0
A Research On Bigdata Privacy Preservation Methods	S.Subbalakshmi	Ijrt And Blue Eyes Intelligence Engineering Sciences Publication	2019	0.11	G.Pulla Reddy Engineering College	0
Security Challenges Of Big Data Storage In Cloud Environment: A Survey	S.Subbalakshmi	International Journal Of Applied Engineering Research	2018	0.67	G.Pulla Reddy Engineering College	0
A Review: Predictions On The Long Run Of The Iot	P.Srilakshmi	Journal Of Emerging Technologies And Innovative Research	2018	0.67	G.Pulla Reddy Engineering College	0
Machine Learning For Disease Prediction By Using Neural Networks	P. Sunandha	International Journal Of Research And Analytical Reviews (Ijrar)	2019	0.11	G.Pulla Reddy Engineering College	0

A Preface To Big Data (Overview Of Big Data)	P. Sunandha	International Journal Of Computer Sciences And Engineering Publisher Isroset	2019	0.11	G Pulla Reddy Engineering College	0
Influence of Nano TiO2 on Geopolymer concrete	Dr. K V S Gopala Krishna Sastry	Journal of Engineering Technologies and Innovation Research(JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
Strength characteristics of High strength SCC using Silica Fume and GGBS	Dr. T. Chandrasekhara Reddy	Journal of Engineering Technologies and Innovation Research (JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
A study of Mechanical properties of self curing concrete for M30 grade concrete	Sri. V.K. Visweswara Rao	Journal of Engineering Technologies and Innovation Research (JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
Study on Mechanical properties of fiber Reinforced High Strength Light Weight concrete	Sri. V.K. Visweswara Rao	Journal of Engineering Technologies and Innovation Research (JETIR)	2018	0.67	G Pulla Reddy Engineering College	0
<a href="#">View File</a>						

#### 3.4.6 – 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
Performance of Decoupled and	Teegala Bramhananda Reddy	Jour of Adv research in	2018	11	0	G.Pulla Reddy Engineering College

Nearest Sub Hexagonal Center Random PWM Techniques for OpenEnd Winding Induction Motor Drive		Dynamical Control Systems				
Performanc e investig ation of 3z buck boost converter for renewable applications	G.Kishor	Internatio nal Journal of Engineerin g Technology	2018	2	0	G.Pulla Reddy Engi neering College
Salp swarm algorithm to combined economic and emission dispatch problems	Y.V.Siva Reddy	Internatio nal Journal of Engineerin g Technology	2018	3	0	G.Pulla Reddy Engi neering College
Correlatio n between carrier and space vector based random PWM techniques for induction motor drive	T.Bramhana nda Reddy	Internatio nal Journal of Engineerin g Technology	2018	11	0	G.Pulla Reddy Engi neering College
Investigat ions on grid connected PV system under variable i rradiation conditions	G.Sreeniva sa Reddy	Internatio nal Journal of Engineerin g Technology	2018	0	0	G.Pulla Reddy Engi neering College
A scalar based SVPWM and DPWM	Dr.N.Ravi sankara Reddy	Jour of Adv research in	2018	4	0	G.Pulla Reddy Engi neering College

techniques for 3level inverter fed DTC of open end winding induction motor drive		Dynamical Control Systems				
Decoupled Centric and NonCentric PWM Techniques for OpenEnd Winding Induction Motor Drive	Teegala Bramhananda Reddy	Serbian Journal of Electrical Engineering	2018	11	0	G.Pulla Reddy Engineering College
Power Spectral Density estimation and THD of Motor Line Currents of AZSPWM Based DTC of Induction Motor Drive	V.Anantha Lakshmi	International Journal of Engineering Technology	2018	1	0	G.Pulla Reddy Engineering College
Modeling and Simulation of 127 Level Optimal Multilevel Inverter with Lower Number of Switches and Minimum THD	Dr.Y.V.Siva Reddy	International Journal of Power Electronics and Drive System	2018	4	0	G.Pulla Reddy Engineering College
Simulation and analysis of perturb and observe MPP Tracking	G. Sreenivasa Reddy	International Journal of Recent Technology and Engineering(IJRT E)	2019	0	0	G.Pulla Reddy Engineering College

algorithm under uniform and non uniform irradiation and analysis of perturb and observe MPP Tracking algorithm under uniform and non uniform						
Performance of Random PWM Techniques for Induction Motor Drive	Dr.T.Brahmananda Reddy	International Journal of Engineering and Advanced Technology (IJEAT)	2019	11	0	G.Pulla Reddy Engineering College
Cost reduction in clustering based unit commitment employing hybrid genetic simulated annealing technique	G.Venkata Subba Reddy	Journal of electrical engineering and technology	2019	2	0	G.Pulla Reddy Engineering College
Speed Control of Induction Motor Using Lab View Simulation	V. Anantha lakshmi,	International Journal of Engineering and Advanced Technology (IJEAT)	2019	1	0	G.Pulla Reddy Engineering College
Constant flux control Nlevel drive application for industries	Dr. B.Urmila	International Journal of Recent Technology and Engineering(IJRT E)	2019	5	0	G.Pulla Reddy Engineering College
Comparison of closed	Dr.Y.V.Siva Reddy	International	2019	4	0	G.Pulla Reddy Engi



loop optimal high level novel multilevel inverter fed induction motor drive using PI controller and fuzzy logic controller		Journal of Recent Technology and Engineering(IJRT E)				neering College
A single core double inductor boost converter with positive output voltage	Dr. G.Kishor	International Journal of Recent Technology and Engineering(IJRT E)	2019	2	0	G.Pulla Reddy Engineering College
An integrated boost parallel flyback converter for multi load	Dr.N.Ravisankar Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	4	0	G.Pulla Reddy Engineering College
Advanced rail clamping PWM techniques based three level VSI fed DTC induction motor drive for THD and common mode voltage reduction	Dr.C.Harith Reddy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	G.Pulla Reddy Engineering College
Digital implementation of space vector	Dr.M.Harshavardhan Reddy	International Journal of Recent Technology	2019	3	0	G.Pulla Reddy Engineering College

based coupled PWM technique for dual inverter configuration		and Engineering(IJRT E)				
Optimal power flow for IEEE9 bus system using etap	S.Anil Kumar	International Journal of Recent Technology and Engineering	2019	4	0	G.Pulla Reddy Engineering College
IoT based real time health care monitoring system using Lab VIEW	Dr.Nayeemuddin	International Journal of Recent Technology and Engineering	2019	2	0	G.Pulla Reddy Engineering College
Performance evaluation of multiple carrier scalar PWM algorithms for cascaded multi level inverter fed induction motor drive	Dr.Nayeemuddin	International Journal of Recent Technology and Engineering(IJRT E)	2019	2	0	G.Pulla Reddy Engineering College
Master Aodv Algorithm To Detect And Prevent WormHole Attack In Manet	Dr N Kasiv iswanath	International Journal Of Engineering And Advanced Technology (Ijeat)	2019	6	0	G.Pulla Reddy Engineering College
Avoidance Of Starvation Of Be And Bk Access Categories In 802.11e	Dr.R.Praveen Sam	International Journal Of Innovative Technology And Exploring	2019	2	0	G.Pulla Reddy Engineering College

		Engineerin g (Ijitee)				
Low Cost And Pi Based Smart Home Garden Watering System Using Iot	Dr.R.Prave en Sam	Internatio nal Journal Of Research Technology And Engine ering (Ijrte)	2019	2	0	G.Pulla Reddy Engi neering College
An Inception Towards Better Big Data Clustering Technique	Dr.R.Prave en Sam	Internatio nal Journal Of Engineerin g And Advanced Technology (Ijeat)	2019	2	0	G.Pulla Reddy Engi neering College
Vehicle Tracking And Accident Detection System Using Acce lerometer	Dr.R.Prave en Sam,	Internatio nal Journal Of Engineerin g And Technology (Ijet)	2018	2	0	G.Pulla Reddy Engi neering College
A Frame Based Scheme To Improve Qos For Video Flow In 802.11e	Dr.R.Prave en Sam	Journal Of Advanced Research In Dynamical Control Systems (Jardcs)	2018	2	0	G.Pulla Reddy Engi neering College
A Review On Vehicle Tracking And Accident Detection System Using Acce lerometer	Dr.R.Prave en Sam,	Internatio nal Journal Of Applied En gineering Research (Ijaer)	2018	2	0	G.Pulla Reddy Engi neering College
Network Recovery Using An Automatic Error Recovery Network Approach	Dr.R.Prave en Sam	Internatio nal Journal Of Simulation : Systems, Science And Technology (Ijssst)	2018	2	0	G.Pulla Reddy Engi neering College
Secure Group Of C ommunicati	Dr.R.Prave en Sam	Csi Commun ications	2018	2	0	G. Pulla Reddy Engi neering

on For Business Processing In Real Time Envir onments						College
Security Vulnerabilities In Hadoop Framework	Dr. S. Zahoor Ul Huq	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	4	0	G. Pulla Reddy Engineering College
Privacy Preserving For Numeric Data Query In Cloud Computing	Dr. S. Zahoor Ul Huq	International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR)	2018	4	0	G. Pulla Reddy Engineering College
Study Of Mobility Models When Data Is Transferred From WiFi To Umts	Dr. S. Zahoor Ul Huq	International Conference on Incentive Communication and Computational Technologies (ICICCT)	2018	4	0	G. Pulla Reddy Engineering College
Real Time Monitoring Of Integrated Coalmine Mash Up Middleware System Using Wsn	Dr. S. Zahoor Ul Huq	International Journal of Recent Technology and Engineering (IJRTE)	2019	4	0	G. Pulla Reddy Engineering College
Iot Based Real Time Health Care Monitoring System Using Labview	Dr. S. Zahoor Ul Huq	International Journal of Recent Technology and Engineering (IJRTE)	2019	4	0	G. Pulla Reddy Engineering College
Analysis, Implementa	K. Srikanth	International	2019	1	0	G. Pulla Reddy Engi

tion AndComparison Of Machine Learning Algorithms On Breast Cancer Dataset Using Weka Tool		Journal of Recent Technology and Engineering (IJRTE)				neering College
A Review On Sentiment Analysis Of Big Data: Techniques, Open Challenges	Dr. S. Zahoor Ul Huq	International Conference on Advances in Signal Processing , Power, Embedded, Soft Computing, Communication and Control Systems	2019	4	0	G. Pulla Reddy Engineering College
A Contemplate report on clustering evaluation and clustering in highdimensional data	P.Penchal Prasad	International Journal of Engineering and Technology (IJET)	2018	0	0	G. Pulla Reddy Engineering College
A Dynamic Method OfMapreduce Workloads For Slot Configuration And Job Ordering	C. Sreedhar	Journal Of Emerging Technologies And Innovative Research	2018	4	0	G. Pulla Reddy Engineering College
A Unique Mechanism Of Group Key Agreement For Contributory Broadcast Encryption	K Ishthaq Ahamed	Journal Of Emerging Technologies And Innovative Research (Jetir)	2018	1	0	G. Pulla Reddy Engineering College
A Survey On Traffic Flow Prediction	K Ishthaq Ahamed	International Journal Of Recent	2019	1	0	G. Pulla Reddy Engineering College

	With Deep Learning Algorithms On Big Data		Technology And Engineering (Ijrte)				
	A Survey On Traffic Flow Prediction With Deep Learning Algorithms On Big Data	J.Swami Naik	International Journal Of Recent Technology And Engineering (Ijrte)	2019	2	0	G. Pulla Reddy Engineering College
	A Survey On Traffic Flow Prediction With Deep Learning Algorithms On Big Data	S.Raghunath Reddy	International Journal Of Recent Technology And Engineering (Ijrte)	2019	2	0	G. Pulla Reddy Engineering College
	Utilizing Crowdsourcing To Give Qos To Mobile Cloud Computing	Dr. K. Govardhan Reddy	Journal Of Applied Science And Computations	2018	1	0	G. Pulla Reddy Engineering College
	Effective Use Of Ict Tools In Open And Distance Learning	Dr. K. Govardhan Reddy	Journal Of Emerging Technologies And Innovative Research	2019	1	0	G. Pulla Reddy Engineering College
	Detecting And Predicting The Hidden Semantic Aspects And Sentiments From User Generated Reviews By Using A Unified Framework	Dr. K. Govardhan Reddy	International Journal Of Engineering And Advanced Technology	2019	1	0	G. Pulla Reddy Engineering College
	A Secure Service Key Sharing Approach For	Dr. K. Govardhan Reddy	International Journal Of Engineering And Advanced	2019	1	0	G. Pulla Reddy Engineering College

Authorized Service Access In Wireless Network Services		Technology				
Cloud Storage Auditing Protocol For Security Key Updates	Dr G Vijaya Kumar	International Journal Of Engineering And Advanced Technology	2019	3	0	G. Pulla Reddy Engineering College
FeeblyAdministered Deep Learning For Client Appraisal Soppiness Classification	Dr G Vijaya Kumar	International Journal Of Recent Technology And Engineering	2019	3	0	G. Pulla Reddy Engineering College
Trends And Techniques Of Handling Big Health Data	K.BalaChowdappa	International Journal Of Engineering And Advanced Technology (Ijeat)	2019	2	0	G. Pulla Reddy Engineering College
Internet Traffic Based Channel Selection In MultiRadio MultiChannel Wireless Mesh Networks	Dr G Vijaya Kumar	International Journal Of Communication Networks And Information Security	2019	3	0	G. Pulla Reddy Engineering College
Effective Approach For Secure Outsourcing Of Key Updates In Cloud	Dr G Vijaya Kumar	Journal Of Emerging Technologies And Innovative Research	2018	3	0	G. Pulla Reddy Engineering College
Eplq: Efficient PrivacyPreserving LocationBased Query	Dr.Y.Rama Mohan	International Journal Of Recent Technology And Engine	2019	0	0	G. Pulla Reddy Engineering College

Over Outsourced Encrypted Data		ering (Ijrte),				
Speed Control Of Induction Motor Using Lab View Simulation	Dr.Y.Rama Mohan	International Journal Of Engineering And Advanced Technology (Ijeat)	2019	0	0	G. Pulla Reddy Engineering College
Blockchain For Iot Applications :Challenges And Issues	M.Padma	International Journal Of Recent Technolgy And Engineering (Ijrte)	2019	2	0	G. Pulla Reddy Engineering College
An Improved Stream Processing Approach	T.Swathi	International Conference on Advances in Signal Processing , Power, Embedded, Soft Computing, Communication and Control Systems	2019	1	0	G. Pulla Reddy Engineering College
A Brief Survey: Features And Techniques Used For Sentiment Analysis	P.N.V.S.Pavan Kumar	Proceedings Of The Second International Conference On Computational Intelligence And Informatics, Advances In Intelligent Systems And Computing Springer	2018	3	0	G. Pulla Reddy Engineering College
Secure And Efficient Data Sharing In	B. Santhosh Kumar	International Journal Of Innovative	2019	2	0	G. Pulla Reddy Engineering College



Cloudlet Based Healthcare System Using Ntru And Bloom Filter		Technology And Exploring Engineering (Ijitee)				
An Efficient Space And Data Management Scheme On Content Delivery Networks For Online Video Provisioning	B. Santhosh Kumar	International Journal Of Research	2019	2	0	G. Pulla Reddy Engineering College
Contributory Broadcast Encryption Using Group Key Agreement	B.Thimma Reddy	International Journal Of Innovative Technology And Exploring Engineering (Ijitee)	2019	1	0	G. Pulla Reddy Engineering College
Optimal Feature Selection By Distribution Diversity For Sentiment Analysis	A.V.R.Mayuri	International Journal Of Innovative Technology And Exploring Engineering (Ijitee)	2019	2	0	G. Pulla Reddy Engineering College
Automatic Random Question Paper Generation	A.V.R.Mayuri	International Journal of Management Technology and Engineering	2019	2	0	G. Pulla Reddy Engineering College
Software Engineering : Requirements Elicitation Techniques, Issues And Challenges In Industry	S Vinay Kumar	International Journal Of Engineering Research And Application	2019	4	0	G. Pulla Reddy Engineering College
Effective Use Of Ict	Dr. A. V. R. Mayuri	Journal of Emerging	2019	2	0	G. Pulla Reddy Engineering College

Tools In Open And Distance Learning		Technology and Innovative Research				neering College
Deep Stock Prediction Using Visual Interpretation: Deep Clue	B.Dilip Kumar Reddy	International Journal of Recent Technology and Engineering	2019	1	0	G. Pulla Reddy Engineering College
Room Temperature Control, Lightening Condition And Fire Alarm Suppression Using 802.11 Protocol	B.Dilip Kumar Reddy	Suraj Punj Journal	2018	1	0	G. Pulla Reddy Engineering College
A Research On Bigdata Privacy Preservation Methods	S.Subbalakshmi	Ijrt And Blue Eyes Intelligence Engineering Sciences Publication	2019	2	0	G. Pulla Reddy Engineering College
Security Challenges Of Big Data Storage In Cloud Environment: A Survey	S.Subbalakshmi	International Journal Of Applied Engineering Research	2018	2	0	G. Pulla Reddy Engineering College
A Review: Predictions On The Long Run Of The Iot	P.Srilakshmi	Journal Of Emerging Technologies And Innovative Research	2018	0	0	G. Pulla Reddy Engineering College
Machine Learning For Disease Prediction By Using Neural Networks	P. Sunandha	International Journal Of Research And Analytical Reviews (Ijrar)	2019	1	0	G. Pulla Reddy Engineering College
A Preface To Big Data (Overview	P. Sunandha	International Journal Of Computer	2019	1	0	G. Pulla Reddy Engineering College

Of Big Data)		Sciences And Engineering Publisher Isroset				
Influence of Nano TiO2 on Geo polymer concrete	Dr. K V S Gopala Krishna Sastry	Journal of Engineering Technologies and Innovation Research(JETIR)	2018	1	0	G. Pulla Reddy Engineering College
Strength characteristics of High strength SCC using Silica Fume and GGBS	Dr. T. Chandra Sekhara Reddy	Journal of Engineering Technologies and Innovation Research (JETIR)	2018	2	0	G. Pulla Reddy Engineering College
Experimental study on bubble deck slab with Special hallow balls	Dr. K V S Gopala Krishna Sastry	International Journal of Management IT Engineering (IJMIE)	2018	1	0	G. Pulla Reddy Engineering College
Study of the effluent of GGBS on the self healing ability of high strength concrete with crystalline admixture	Dr. T. Chandra Sekhara Reddy	Journal of Engineering Technologies and Innovation Research(JETIR)	2018	2	0	G. Pulla Reddy Engineering College
Study of the effect of quartz powder on compressive strength in ultra high performance concrete	Dr. T. Chandra Sekhara Reddy	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	2	0	G. Pulla Reddy Engineering College
Mechanical properties of Geo polymer	Sri. G Nagesh Kumar	International Journal of Technical	2018	1	0	G. Pulla Reddy Engineering College

concrete with concentrated sisal and coil fibers		Innovation in modern Engineering and Science (IJ TIMES)				
Physical and Mechanical properties of Recycled Aggregates and treated Recycled aggregate	Sri. G Nagesh Kumar	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	1	0	G. Pulla Reddy Engineering College
High strength concrete containing Steel and Polypropylene fibers	Sri. G Nagesh Kumar	International Journal of Technical Innovation in modern Engineering and Science (IJ TIMES)	2018	1	0	G. Pulla Reddy Engineering College
Study on the strength characteristics of concrete with Hypo sludge - fly ash and aggregate sludge - Metakaolin	Dr. K V S Gopala Krishna Sastry	International Journal of Civil Engineering Technology (IJCIET)	2018	1	0	G. Pulla Reddy Engineering College
Study of The Effect of Nano Silica on Self Healing Ability of High Strength Concrete With Crystalline Admixture	Dr. T. Chandra Sekhara Reddy	International Journal of Civil Engineering Technology (IJCIET)	2019	2	0	G. Pulla Reddy Engineering College
A Study on Index Properties	Dr. J.V. Gurumurthy	International Journal of	2019	3	0	G. Pulla Reddy Engineering

	of Alkaline Soils Treated with Pharmaceutical Industrial Effluents		Civil Engineering Technology (IJCIET)				College
	A Study on Index Properties of Alkaline Soils Treated with Pharmaceutical Industrial Effluents	Dr. E. Sanjeeva Rayudu	International Journal of Civil Engineering Technology (IJCIET)	2019	1	0	G. Pulla Reddy Engineering College
	Mix design development of fly ash and ground granulated blast furnace slag based geopolymer concrete	M. Srinivasula Reddy	Journal of Building Engineering	2018	4	10	G. Pulla Reddy Engineering College
	Macro mechanical properties of self healing concrete with crystalline admixture under different environments	Dr. T.Chandrasekhara Reddy	Ain Shams Engineering Journal	2019	2	0	G. Pulla Reddy Engineering College
	Survey On Data Security And Privacy Preserving In Big Data	Dr N Kasiviswanath	International Journal Of Engineering Technology	2018	6	0	G.Pulla Reddy Engineering College
	Optical Burst Routing by Balanced wavelength	Dr K Suresh Reddy	Wireless Personal Communications, Springer	2019	1	1	G. Pulla Reddy Engineering College

	Allocation under Multiobjective Quality Metrics		US (International Journal)				
	Effect of Kfold Cross validation on MRI Brain Images using SVM Algorithm	Dr S Nagaraja Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	1	G. Pulla Reddy Engineering College
	QoS Guaranteed metrics for Dynamic Scheduling through Void filling and Burst segmenting in OBS networks	Dr K Suresh Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	1	G. Pulla Reddy Engineering College
	NonSubsampled Contourlet Transform based Multimodal Medical Image Fusion and its Performance Evaluation	Dr K Suresh Reddy	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	1	G. Pulla Reddy Engineering College
	Severity analysis of mitral regurgitation using multi objective firefly optimization method"	Dr. P. Abdul Khayum,	International Journal of Innovative Technology and Exploring Engineering	2019	1	1	G. Pulla Reddy Engineering College
	Severity analysis of mitral regurgitation using multi objective	Dr R Sudheer Babu	International Journal of Innovative Technology and Exploring	2019	1	1	G. Pulla Reddy Engineering College

firefly optimization method”		Engineering					
Microstrip Antenna Design for Low Power Cognitive Radio Applications	Dr S Nagaraja Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	1	G.Pulla Reddy Engineering College	
A Study On Different Phases And Various Recommendation	P.N.V.S.Pavan Kumar	Ijrte, Blue Eyes Intelligence Engineering Sciences Publication	2019	3	0	G. Pulla Reddy Engineering College	
Efficient Image Enhancement Techniques applied on medical Imaging A Stateofthe art Survey	Dr S Nagaraja Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	1	G.Pulla Reddy Engineering College	
A Novel method for Dental Radiographs Contrast Enhancement for Efficient diagnosis of Dental Diseases	Dr S Nagaraja Rao	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2	1	G.Pulla Reddy Engineering College	
A Novel Hash based Encryption technique on Video Steganography integrity verification against attacks	Dr S Nagaraja Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	2	1	G.Pulla Reddy Engineering College	
Adaptive Block memory Management for spatial and	Dr. S.M. S hamsheerDaula	IJITEE	2019	1	1	G.Pulla Reddy Engineering College	

	temporal locality in flashbased storage systems						
	Adaptive Block memory Management for spatial and temporal locality in flashbased storage systems	Sri G Amjad Khan	IJITEE	2019	1	1	G.Pulla Reddy Engineering College
	Adaptive Block memory Management for spatial and temporal locality in flashbased storage systems	Dr D R Srinivas	IJITEE	2019	1	1	G.Pulla Reddy Engineering College
	Analysis of DDS Using Reversible Logic and CORDIC Algorithm	Sri T Thammi Reddy	Journal of Advanced Research in Dynamical Control Systems	2019	1	1	G.Pulla Reddy Engineering College
	Design of low power sequential circuits using pulsed latches at different temperature variations.	Sri K Raju	Journal of Advanced Research in Dynamical Control Systems	2019	0	1	G.Pulla Reddy Engineering College
	An Efficient Energy management system for smart	Dr D R Srinivas	Journal of Advanced Research in Dynamical Control	2019	1	1	G.Pulla Reddy Engineering College



homes using IoT and Big Data		Systems				
Realization of Butte rworth low pass filter design in microstrip .	Dr S T Thilagam	Internatio nal journal of innovative technology and exploring engineerin g	2019	1	1	G.Pulla Reddy Engi neering College
Realizatio n of Butte rworth low pass filter design in microstrip .	Sri T Sharath Babu.	Internatio nal journal of innovative technology and exploring engineerin g	2019	1	1	G.Pulla Reddy Engi neering College
Realizatio n of Butte rworth low pass filter design in microstrip .	Sri B Siva Reddy	Internatio nal journal of innovative technology and exploring engineerin g	2019	0	1	G.Pulla Reddy Engi neering College
Realizatio n of Butte rworth low pass filter design in microstrip .	Dr MVR Vittal	Internatio nal journal of innovative technology and exploring engineerin g	2019	1	1	G.Pulla Reddy Engi neering College
Realizatio n of Butte rworth low pass filter design in microstrip .	Sri K Raju	Internatio nal journal of innovative technology and exploring engineerin g	2019	0	1	G.Pulla Reddy Engi neering College
Micro strip Antenna Design for Low Power Cognitive Radio Appl	T Sharath Babu	IJRTE	2019	1	1	G.Pulla Reddy Engi neering College

ications						
Performance analysis of MMSE combining in multicarrier spread spectrum systems over NLOS Channel	Sri L Lakshmi Prasanna Kumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	1	G.Pulla Reddy Engineering College
Performance analysis of MMSE combining in multicarrier spread spectrum systems over NLOS Channel	Sri G Pavan Kumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	1	G.Pulla Reddy Engineering College
Improved Parallel Interference Cancellation Scheme in MCCDMA under Frequency Selective AWGN Channel	Sri L Lakshmi Prasanna Kumar	Journal of Advanced Research in Dynamical Control Systems	2019	0	1	G.Pulla Reddy Engineering College
Dynamic Susceptibility Contrast Perfusion Quantification using Spread Bases Function	Dr P Abdul Khayyum	International Journal of Engineering and Advanced Technology (IJEAT)	2019	1	1	G.Pulla Reddy Engineering College
Low power high performance optimization of full adders in cnfet and finfet technology	Sri K Naga Koushil Reddy	IJRECE	2018	0	1	G.Pulla Reddy Engineering College
Industrial Process	Smt. T Swathi	International	2018	1	1	G.Pulla Reddy Engi

Monitoring System Using ESP 32		journal of Engineering and Advanced Technology				neering College
Comparative analysis of image enhancement techniques applied to CT liver image	Dr S. Nagaraja Rao	International Journal of Engineering Technology [IJET]	2018	2	1	G.Pulla Reddy Engineering College
Design and analysis of CMOS low noise amplifier circuit for 5GHz Cascode and folded Cascode in 180nm technology	Sri D. Sharath Babu Rao	Journal of advanced research in dynamical and control system.	2018	0	1	G.Pulla Reddy Engineering College
Blur invariant copy-move forgery detection technique with improved detection accuracy utilising SWTSD	Dr R Sudheer Babu	International journal of management technology and engineering	2018	1	1	G.Pulla Reddy Engineering College
Cryptography based image encryption by secure reversible data hiding technique"	Dr. P. Abdul Khayum	International journal of management , technology and engineering	2018	1	1	G.Pulla Reddy Engineering College
Advanced Blanking nonlinearity for migrating impulsive interference in OFDM Systems	Dr MVR Vittal	International Journal of Management , Technology and Engineering [IJAMTE]	2018	2	1	G.Pulla Reddy Engineering College

Blood Vessel Leakage Detection In Diabetic And Malarial Retinopathy by Using Saliency and Leakage Detection	Dr S Nagaraja Rao	International Journal of Management Technology and Engineering [IJAMTE]	2018	2	1	G.Pulla Reddy Engineering College
Performance analysis of MC-CDMA by employing the MMSE-PIC scheme in wireless Communications	Sri L Lakshmi Prasanna Kumar	wireless Communications (Wiley SCI Journal)	2018	0	1	G.Pulla Reddy Engineering College
Image Quality Assessment with Global and Local Image Regions for Visual Quality Perception	Sri G Amjad Khan	Journal of Emerging Technologies and Innovative Research [JETIR]	2018	2	1	G.Pulla Reddy Engineering College
Design and Comparison of Low Power 10T, 8T and 6T Memory Cells for Aerospace Applications in Nanoscale CMOS Technology ISSN 1943023X	Smt. M. Chaitanya	JARDCS (Scopus)	2018	0	1	G.Pulla Reddy Engineering College
Enhanced Three Input XOR/XNOR Logic Circuit	Dr G. Eranna	Journal of Advanced Research in Dynamical	2018	6	1	G.Pulla Reddy Engineering College

with Systematic Cell Design Met hodology for ALU Ap plications ,		and Control Systems, Vol. 10, 05Special Issue,				
Air suspended silicon micro bridge structures for metal oxide based gas sensing	Dr G. Eranna	Chapter5, Intech open science	2018	6	1	G.Pulla Reddy Engi neering College
0.18 um CMOS LNA for 3 -5 GHz UWB receivers	Ms W Yasmeen	Internatio nal Journal of Engineerin g and Technology	2018	0	1	G.Pulla Reddy Engi neering College
Reconstruc tion of Image Using Estimated Matched Wavelet from Compr essively Sensed Data	Smt K. Udaya Kiran	Internatio nal Journal of Management , Technology and Engine ering [IJAMTE]	2018	0	1	G.Pulla Reddy Engi neering College
Extreme learning machine for effective medical image retrieval	Dr S Vyshali	Internatio nal journal of engineerin g and technology	2018	0	1	G.Pulla Reddy Engi neering College
Implementa tion of efficient architectu re for Montgomery modular mu ltiplicati on using FPGA	Dr. S.M. S hamsheerDa ula,	Journal of advanced research in dynamical and control system.	2018	2	1	G.Pulla Reddy Engi neering College
Probabilit y Driven Multi Bit	Sri G Ramesh	Journal of advanced research	2018	1	1	G.Pulla Reddy Engi neering

	Flipflop Design Optimization with clock gating		in dynamical and control system.				College
	A New Technique to reduce the Noise in OFDM System PAPR and PICR with clipping Noisebased Tone Injection	Smt T Swathi	International journal of Management Technology and Engineering	2018	1	1	G.Pulla Reddy Engineering College
	Design of (DLAU) Deep learning accelerator unit on FPGA	Smt G DivyaPraneetha	Journal of advanced research in dynamical and control system.	2018	0	1	G.Pulla Reddy Engineering College
	Gas Leakage Detection and control using GSM Module	Sri A VenkataSubba Reddy	International Journal of Scientific Engg Research	2018	0	1	G.Pulla Reddy Engineering College
	High Performance Frequency Multiplier for DLL based Clock Generator in Nano Technology	Dr Govindarajulu	International Journal of Pure and Applied Mathematics	2018	1	1	G.Pulla Reddy Engineering College
	Impact of Alkali Treatment on Characterization of Tapsi Natural Bark Fiber Reinforced Polymer composites	R.Meenakshi reddy	Journal of Natural fibers	2019	5	0	G.Pulla Reddy Engineering College
	Synthesis and characterization	D.Mohana Krishnudu	International journal of	2019	0	1	G.Pulla Reddy Engineering

of Coir and Luffa Cylindrica filled with CaCo3 hybrid composites		Integrated engineering				College
Alkali Treatment effect: Mechanical, Thermal, Morphological and Spectroscopy studies on Abutilon Indcum Fiber Reinforced Composites	D.Mohana Krishnudu	Journal of Natural Fibers	2019	0	1	G.Pulla Reddy Engineering College
Experimental Investigation on the mechanical properties of Hardwickia Binata fibre reinforced polymer composites	H.Raghavendra Rao	International Journal of Materials processing and characterization	2019	4	0	G.Pulla Reddy Engineering College
Experimental refrigeration test of R134a Mixed with Mineral oil and (CUO) Nanoparticles	V.Manandi Reddy	International Journal of Materials processing and characterization	2019	0	0	G.Pulla Reddy Engineering College
Effect of Alkali Treatments on Mechanical properties of Juliflora Fiber reinforced Composites :A comparison	G.Suresh Kumar	International journal of research in Advanced technology	2019	0	1	G.Pulla Reddy Engineering College

ative study						
Chemical resistance, Tensile and impact properties of bamboo/ Drumstick fibers Reinforced Epoxy Hybrid	H.Raghavendra Rao	International journal of reaserch in Advent technology	2019	4	0	G.Pulla Reddy Engineering College
Computational Analysis of Heat Transfer Effect on Liquid -vapour Phase Change and Boiling induced Phase Instabilities	R.Meenakshi reddy	Journal of Instituti on of Engineers India	2019	5	0	G.Pulla Reddy Engineering College
Mechanical properties of UHMWPE woven Fabric/Epoxy composites	P.Rajendra Prasad	International Journal of Mechanical Engineerin g and tech nonlogy(IJ MET	2019	0	1	G.Pulla Reddy Engineering College
Design and CFD analysis of food dryer using solar flat plate collector and Exhaust gas with Finned copper Tubes	Dr. R. Meenakshi Reddy,	International Journal of Mechanical and production Engineerin g research and Develo pment	2018	5	0	G.Pulla Reddy Engineering College
A critical investigation on effect of nano fluids on the perfor	Dr. R. Meenakshi Reddy,	Journal of Mechanical Engineerin g and tech nonlogy(IJ MET)	2018	5	0	G.Pulla Reddy Engineering College



mance of a PCM based Thermal Energy storage system						
Mechanical ,morphological and thermo gravimetric analysis of alkalitreated CordiaDichotoma natural fiber,morphological and thermo gravimetric analysis of alkalitreated CordiaDichotoma	B.Madhusudhan Reddy	Journal of Natural fibers	2018	0	1	G.Pulla Reddy Engineering College
Mechanical properties of Glass/Bambo Fiber Reinforced Epoxy composites Comparing with chopped strand mat treated with Bacterial cellulose	H.Raghvendra Rao	International Journal of Mechanical and production Engineering research and Development	2018	4	0	G.Pulla Reddy Engineering College
Optimizing the mechanical properties of Calcium Carbonates Filled Coir silk squash Hybrid Composites Using RSM and simulated Annealing	D.Mohana Krishnudu	Journal of Engineering Technology	2018	1	0	G.Pulla Reddy Engineering College
Mechanical	Dr E.Venug	Journal of	2018	2	0	G.Pulla

	characteri zation of Basalt and glass hybrid composites	opal goud	Emerging t echnologie s and Innovative research				Reddy Engi neering College
	Mathematic al Modeling and Analysis for Heat treated Beryllium copper of the Turning process using response surface Methodolgy	Dr Devaki devi	Internatio nal Journal of research	2018	0	0	G.Pulla Reddy Engi neering College
	Renewable Energy for PCM based Thermal Energy storage system by using Nano particles	E.Siva Reddy	Journal of Emerging t echnologie s and Innovative research	2018	0	0	G.Pulla Reddy Engi neering College
	Static strength and Stability Analysis of a Landing Gear strut	Dr Y.V.Mohan reddy	Journal of Emerging t echnologie s and Innovative research	2018	6	0	G.Pulla Reddy Engi neering College
	Enhancemen t of thermal pe rformance of a screen mesh wick heat pipe using (Al2O3)	P.Lakshmi reddy	Journal of Emerging t echnologie s and Innovative research	2018	0	0	G.Pulla Reddy Engi neering College
	Performanc e and evaluation of Blends of Diesel fuel with Lemon	G.Praveen kumar yadav	Journal of Emerging t echnologie s and Innovative research	2018	0	0	G.Pulla Reddy Engi neering College

grass oil and waste plastic oil in a Diesel engine						
New Generalized SVPWM Algorithm for Multilevel Inverters	K. Sri Gowri	Journal of Power Electronics	2018	5	0	G.Pulla Reddy Engineering College
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#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	61	176	1	1
Presented papers	93	2	0	1
Resource persons	0	5	1	3
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Material testing soil investigation mix design land surveying traffic surveying	State Government and local bodies	14.94
Mechanical Engineering	Composites testing on INSTRAN UTM machine Wear testing on DUCOM wear testing apparatus	Dental Colleges	1.54
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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Civil Engineering Department, GPREC	Application of Computational software in Civil Engineering	Government organizations	30000	60
Civil	Building	Government	10000	55

Engineering Department, GPREC One Works Technologies	Information Modelling	organizations		
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### 3.6 – Extension Activities

3.6.1 – 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
Cleaning Programme and pouring water to planted trees in college campus	GPREC(NSS)	8	184
Induction program	GPREC,NSS,VCS	7	760
UBA	GPREC,AICTE,MHRD	5	40
Tree plantation	UBA,GPREC	2	60
Gram Sabha	UBA,GPREC	10	75
Clay idols of Ganesha	VCS,GPREC	2	30
Teachers Day	VCS,GPREC	2	25
Competition on vivekananda Chicago preaches	Ramakrishna math	1	200
Guest lecture	Arogyabharati	5	165
Winter clothes distribution	VCS,GPREC	2	15
Medical camp	VCS,GPREC	4	45
Induction program (various problems faced by villagers in 5 villages)	GPREC(NSS)	8	298
Blood Donation Camp	GPREC(NSS)	8	298
Mass Tree Plantation Programme	GPREC(NSS)	8	312
Distribution of necessary items to old people at Old age home, Akshitha Blind home	GPREC(NSS)	8	304
distributed fruits, necessary items to children of VignanP eetamOrphonage Children Home	GPREC(NSS)	8	272
Blood Donation Camp	GPREC(NSS)	8	124

"Cleaning Programme in college campus"	GPREC(NSS)	8	227
National Youth Day 2019 celebrations	GPREC(NSS)	8	233
Elocution, Debate and Essay Writing Competitions- "Are people becoming technological zombies?".	GPREC(NSS)	8	45
Poster presentation and Rangoli competetions - "Importance of Environmental Protection	GPREC(NSS)	8	42
Survey programme to identify the problems faced by villagers at Rudhravaram Village	GPREC(NSS)	8	218
awareness on "Pulwama terror attack in Jammu and Kashmir" to villagers at RudhravaramVillage.	GPREC(NSS)	8	14
collected fund and contributed 7000/Rs. Towards education of poor students Sree Saraswathi Sishu Mandir, Kurnool.	GPREC(NSS)	8	198
collected fund and contributed 7020/Rs. Towards International White Cane Day Contribution 2018 for Visually challenged children education	GPREC(NSS)	8	304
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3.6.2 – 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 camp	AppreciationRakta Bhandu	Govt.General Hospital and Indian Aids Society	322
JNT University	Debate Runner	JNTUA	4

Youth Festival 2019	Rangoli Winner Essay (English) Winner		
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3.6.3 – 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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	G.Pulla Reddy Engineering College,Kurnool	Awareness Creation Among Use Wet And Dry Waste Bins	2	35
Swachh Bharat	IIITDM	Swachh Bharat Innovative Technology Concepts/Designs Competition	8	55
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### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
1.Technical Skill Development Training in various Courses Under APSSDC 2. Technical Skill Development Training in various courses under PMKVYTI Scheme.	B.Tech, Diploma, ITI, Intermediate(Vocational) and 10th Standard Students from various Institutes B.Tech, Diploma and ITI Students from various colleges	APSSDC (Govt. of AP) PMKVYTI (AICTE, Govt. of India)	730
Conducting Road safety audit and creation of awareness program	About 20 Students and Officials from RTA, Kurnool	Regional Transport Authority, Kurnool	14
Teaching	17	IITDM, Kurnool	182
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3.7.2 – 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
As a technical Skill Development	Memorandum of understanding (MOU) between	APSSDC SIEMENS PROJECT, APSSDC, 2nd floor, NTR A	19/11/2018	27/11/2019	1587

Training Institute (TSDI Centre)	Andhra Pradesh State Skill Development Corporation and G. Pulla Reddy Engineering College, Kurnool	Administrative Block, PN Bus Station, Vijayawada 520013,			
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Andhra Pradesh State Skill Development Corporation (Chief Ministers Skill Excellence Centre)	02/04/2018	Training in certification Courses will be conducted in various latest technology for students and faculty members	10
IBM India Pvt. Ltd	23/07/2018	IBM Big Data training	76
Cisco Academy	14/03/2019	CCNA certification course	9
National Instruments	02/08/2018	Training Certification	139

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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
750	708

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing

Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing

#### 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 patially)	Version	Year of automation
SLIM21	Fully	SLIM21	2004

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	47477	4377477	465	273730	47942	4651207
Reference Books	9963	1089994	19	9654	9982	1099648
Journals	92	264214	87	167896	179	432110
e-Journals	523	1467390	523	1690473	1046	3157863
CD & Video	18	23000	0	0	18	23000
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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

#### 4.3 – IT Infrastructure

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

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1360	900	180	50	145	30	50	80	5
Added	30	10	10	2	1	2	5	20	2
Total	1390	910	190	52	146	32	55	100	7

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

100 MBPS/ GBPS
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##### 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
No Data Entered/Not Applicable !!!	

#### 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
70	66.39	210	202.6

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)

Students of a class are divided in to batches for daytoday class work. Experiments beyond the syllabus are also included in the practical course work. Students are made to follow certain rules and regulations in the laboratory, including submission of record work. Library: Books are issued to the students on specific days. Final year students are given maximum number of books (4 per student). Reservation facility is provided to book any title / volume in advance. Digital library would be made available during specified hours. Sports Complex: Students are allowed to take part in sports/ games activities beyond the working hours. Specifications related to dress and footwear is enforced strictly. A special enclosure, forming part of the gymnasium is made available for the exclusive use of women faculty and students. Computers: A ratio of 1:1 is maintained for student usage in all the Department Computer Centres for all practical courses. Faculty are provided with computer with internet facility in their rooms. Classrooms: All Class rooms have been provided with LCD projectors and other accessories. Some Class rooms have smart boards.

<https://www.gprec.ac.in/>

## 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	GPR Charities Trust Scholarship Fabrication of 3D printer	101	1429000
Financial Support from Other Sources			
a) National	MeritCumMeans Scholarship for Professional and Technical Courses CS, Central Sector Scheme Of Scholarships For College And University Students	27	540000
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 implemetation	Number of students enrolled	Agencies involved
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Soft skill development	01/07/2018	700	Internal
Remedial Coaching	01/07/2018	100	Internal
Language Lab	01/07/2018	750	Internal
Bridge Courses	01/07/2018	156	Internal
Yoga	01/07/2018	301	Internal
Meditation	01/07/2018	291	Internal
Personal Counselling	01/07/2018	564	Internal
Mentoring	01/07/2018	565	Internal
Spoken Tutorial	01/07/2018	350	IITBombay
NPTEL	01/07/2018	21	AICTEMHRD
Skill Development Essentials of Big Data	10/06/2019	73	GPREC

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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 students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE	420	0	50	0
2018	ITCA	0	601	0	555

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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
3	3	7

## 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
Thomson Reuters Soliton Technologies GGK Technologies EZE Software TCS VEDA IIT	2809	542		0	0

KIA Motors  
Mindtree IBM  
NTT DATA  
SYNTEL WIPRO  
Nomus  
Efftronics  
Info Jyothi  
Software  
Services  
Bibox  
Mphasis  
Cyient  
Infosys  
OPTUM Robert  
Bosch  
Virtusa SL  
Lumax BTBP  
CTS Tal

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	20	Civil Engineering UG Programme	Civil Engineering	NICMAR, NITs, University Colleges of Engineering	M.Tech (Str.Engg), M.Tech (Env.Engg), PG Programme in Construction Management
2018	3	Mechanical Engineering UG Programme	Mechanical Engineering	IIT DM, Kancheepuram	Machine Design, Specialization in Smart Manufacturing
2018	2	Computer Science and Engineering UG programme	Computer Science & Engineering	G.Pulla Reddy Eng College, Kurnool	M.Tech in CSE

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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
GATE	50
GMAT	1
CAT	10
Any Other	1

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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
Guest Lectures by Eminent Persons in field of Literature as part of Two week induction program for 1st year B.Tech of 201819	Event/ Institute Level	780
District Level Cultural and Literary Competitions at KVR Degree College Kurnool	Competition/ District Level	5
District Level Cultural Competitions by S V Foundation, Kurnool	Competition/ District Level	24
PaduthaTeeyaga Singing Competition, ETV office Kurnool	Competition/ District Level	3
Cartoon Drawing	Competition/ District Level	46
Cash - Game Show- E TV Program at Hyderabad	Event/ Institute Level	90
College Day/ UDAAN Competitions, Sports and Cultural Fest	Competition/ Institute Level	838
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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	Selected for JNTUA Inter University Team	National	1	0	169X1A03M2	Mr. M.K. Jaya Surya Naik
2018	Selected for JNTUA Inter University Team	National	1	0	189X5A02B6	Mr. B. Satya Paul
2018	Selected for JNTUA Inter University Team	National	1	0	179X1A04B0	Mr. N. Venkata Kishore Reddy
2018	Selected for JNTUA Inter	National	1	0	169X1A0591	Ms. S. Kavya

	University Team					
2018	Selected for JNTUA Inter University Team	National	1	0	169X1A05F9	Mr. J Venkata Manikanta
2018	Selected for JNTUA Inter University Team	National	1	0	179X1A05F4	Ms. P. Sravani
2018	Selected for JNTUA Inter University Team	National	1	0	179X5A04K5	Mr. J. Venkata Manikanta
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student committees are formed for various purposes to help the administration to conduct various academic and administrative activities smoothly. Both men and women students will have representation on various bodies/ committees, generally through the process of nomination. Some of these committees include Women's cell Women students, preferably from higher classes are nominated in the Women's cell committee. They actively take part and assist the faculty in conducting various women oriented programmes including celebration of International Women's day. Training Placement Committee: Services of student members nominated to the committee are used in conducting various activities related to the campus Recruitment process. They would assist the TP cell authorities and staff in conducting Mock interviews, Group discussions etc. Literary and cultural activities committee: Under the name of "Bhuvanavijayam" the forum to conduct Literary and cultural activities, student members, with proficiency in performing arts are nominated to assist the Faculty in conducting events / competitions. In addition to the above student's representation can be found in ? Vivekananda Study Circle (Voluntary service forum) ? IIE Chapter of respective branch ? IEEE Students branch ? CAD Forum (Forum for creating awareness among students) Student committees are formed for various purposes to help the administration to conduct various academic and administrative activities smoothly. Both men and women students will have representation on various bodies/ committees, generally through the process of nomination. Some of these committees include Women's cell Women students, preferably from higher classes are nominated in the Women's cell committee. They actively take part and assist the faculty in conducting various women oriented programmes including celebration of International Women's day. Training Placement Committee: Services of student members nominated to the committee are used in conducting various activities related to the campus Recruitment process. They would assist the TP cell authorities and staff in conducting Mock interviews, Group discussions etc. Literary and cultural activities committee: Under the name of "Bhuvanavijayam" the forum to conduct Literary and cultural activities, student members, with proficiency in performing arts are nominated to assist the Faculty in conducting events / competitions. In addition to the above student's representation can be found in ? Vivekananda Study Circle (Voluntary service forum) ? IIE Chapter of respective branch ? IEEE Students branch ? CAD Forum (Forum for creating

awareness among students)

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

GPREC Alumni Association was registered in District Registrar's Office, Kurnool under the societies registration act XXXV of 2001 in May, 2004. GPREC is proud of its Alumni, who are well placed in hundreds of reputed National / Multinational Organizations across the globe. Many of our alumni have successfully pursued their higher studies in reputed institution in India and Abroad.

5.4.2 – No. of registered Alumni:

5893

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

376000

5.4.4 – Meetings/activities organized by Alumni Association :

GPREC Alumni get together at Philadelphia, USA on 08072018. 2. 198993 batch Alumni reunion on 05012019 at GPREC campus. 3. Silver Jubilee reunions for every batch passed out, are planned and conducted in the College premises. The last reunion was held for the 198993 batch of student.

## 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)

**Decentralisation :** Heads of the Departments would look after the administration and monitor the day to day functioning and progress of the respective Departments. The process of administration is thus decentralised. One practice of decentralisation is that the HOD would obtain the feedback on faculty, periodically, from the students of that class and takes appropriate academic action based on the contents of the feedback obtained. **Participative management:** The Heads of the Departments have a role to play in the formulation of budget proposals for the respective Departments and are also involved in the process of allocation of budgetary funds along with the management.

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
Curriculum Development	Revision of curriculum and its developments are done in a systematic manner to improve the quality of the content of the curriculum and to keep it abreast of industry / organisation requirements. Quality improvement is ensured by widening the scope of the process of formulation of syllabus and its review, by including various

	stakeholders like Academicians, Industry / field experts, alumni and parents.
Teaching and Learning	Continuous efforts are being made to ensure the effectiveness of teaching and learning process by adopting various measures like ? Improving skills and standards of faculty utilising FDPs. ? Extensive use of ICT tools in class room teaching. ? Focusing on Interactive sessions.
Examination and Evaluation	? Creation of awareness among invigilators. ? Forming squads consisting of exclusive female faculty staff members for checking purpose for girl students in the Examination halls.
Research and Development	? Faculty publications are encouraged by means of incentives. ? Participation of Faculty in outstation events is sponsored and funded generously to yield better development of faculty skills. ? In house projects involving innovation are funded to bring out and nurture the research skills and capabilities of faculty. In addition to the above, efforts to make the students generate ideas / concepts using the incubation centres are also being made.
Library, ICT and Physical Infrastructure / Instrumentation	? Expansion of digital library to improve usage on line registration of NPTEL and other courses by students ? Subscription to wide range of eJournals / publications ? Introduction of book reservation system.
Human Resource Management	An approach of inclusive Management involving faculty and staff, to important components of human resources of the Institution is being adopted. All faculty meetings, Department level meetings and meetings of various committees /bodies are utilised effectively to manage the capabilities of the human resources and address the deficiencies if any.
Industry Interaction / Collaboration	Effective interaction with the outside industry is ensured by arranging programs / sessions at the Department level involving the field experts / Engineers. Their expertise and practical knowledge are disseminated through these. Field visits by students are also part of the interaction. Collaboration with major organisations / companies is used for mutual benefit.
Admission of Students	Standardisation of procedures to save

on time and resources at the time of admission is aimed at improving the overall admission process.

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

E-governance area	Details
Planning and Development	All Circulars and notices are sent through Emails. Procurement of information and its dissemination are done using the various tools available.
Administration	Maintenance of student's records, preparation of faculty data and storing of admission details are all done using ICT tools.
Finance and Accounts	Preparation of salary bills, Monitoring of expenditure, payment of consultancy charges and remuneration are done using various appropriate software in use.
Student Admission and Support	Preparation of nominal rolls, maintenance of student profiles used in mentoring process, activities of co and extra curricular nature are assessed and reviewed using the various e tools
Examination	Preparation of registered candidates lists, coding and decoding process preparation of grade sheets / marks sheets, preparation of plans for seating in examination halls are done using software tools

#### 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
2018	B.Madhusudhan Reddy	Mechanical Morphological and thermogravimetric analysis of alkali treated cordial dichotoma natural fiber composites.	NA	7500
2018	Dr. K. Govardhan Reddy	FDP On "Cyber Security"	NA	4468
2018	Dr. K. Govardhan Reddy	INDIAN CYBER CONGRESS (InCyCon2018)	NA	4468
2019	Dr. K. Govardhan Reddy	Outcome based Education	NA	4468



2018	M. Imtiaz Ur Rahaman	AICTE workshop on internship at Vandalur, Chennai	NA	3955
2019	M. Imtiaz Ur Rahaman	Mentored students who won 2nd prize at a Hackathon conducted as part of) International Conference on Safer Mobility IIT Delhi	NA	30000
2018	T.Swathi	IUCEE International engineering Educator Workshop	NA	1100
2018	Dr. T. Bramhananda Reddy	IFERP conference at BVRIT Narsapur, Medak dist	NA	3750
2018	Dr. K. Sri Gowri	Paper published in Journal of Power Electronics (international Journal)	NA	5000
2018	Dr. Y.V. Siva Reddy	IFERP conference at BVRIT Narsapur, Medak dist	NA	3750
2018	Dr. G Kishor	IFERP conference at BVRIT Narsapur, Medak dist	NA	7500
2018	Dr. V. Ananthalakshmi	IFERP conference at BVRIT Narsapur, Medak dist	NA	7500
2018	D. Viswamohan Reddy	A Three day IUCEE International Engineering Educator workshop at Vijayawada	NA	2776
2018	Dr. C. Harinatha Reddy	IEEE Awareness Programme held at JNTUA, ANathapuramu	NA	610
2018	Dr. Nayeemuddin	One week	NA	7852

		Training programme on Labview conducted at National Instruments, Bengaluru		
2018	Dr. C. Harinatha Reddy	IEEE Computetr society workshop conducted at JNTUA Anthapuramu	NA	1200
2018	Dr. C. Harinatha Reddy	One week Faculty development programme on "Design, Development of MOOCS courses" conducted at JNTUA Anathapuramu by EICT Academy NIT Warangal	NA	4240
2018	Dr. G. Sateesh	Faculty Development programme on Machine learning conducted at JNTUA Anathapuramu	NA	932
2018	Dr. T. Bramhananda Reddy	IEEE International conference held at NIE College, Mysore	NA	1000
2019	Dr. Y.V. Siva Reddy	International conference by IFERP on "ICSPECS"	NA	7500
2019	S. Anil Kumar	International conference by IFERP on "ICSPECS"	NA	7500
2019	Dr. G Kishor	International conference by IFERP on "ICSPECS"	NA	7500
2019	Dr. Y.V. Siva Reddy	International conference by IFERP on "ICSPECS"	NA	7500

2019	Dr. N. Ravi Sankar Reddy	International conference by IFERP on "ICSPECS"	NA	3750
2019	Dr. M. Harshavardhan Reddy	International conference by IFERP on "ICSPECS"	NA	7500
2019	Dr. B. Urmila	International conference by IFERP on "ICSPECS"	NA	7500
2019	Dr. C. Harinatha Reddy	International conference by IFERP on "ICSPECS"	NA	7500
2019	Sri.G.Amjad Khan	FDP on Machine Learning and Deep Learning using MAT LAB	NA	1864
2018	Dr.T.Chandra Sekhar Reddy	Macro mechanical Properties of self healing concrete with crystalline admixture under different environment	NA	7500
2019	Dr.G.Sankaraiah	Prediction of surface roughness Material Removal rate for machining of p20 steel in CNC milling using Artificial Neural Networks	NA	37500
2018	Dr.T.Ramachar	Feasibility analysis of Municipal Solid Waste of Nandyal Town, Kurnool District, Andhra Pradesh, India for Biogas production from Organic Fraction	NA	3500
2018	Sri.C.Harinath	Awareness on	NA	1200

	Reddy Sri.G.V.Subba Reddy	IEEE/IET Electronic Digital Library Sources		
2018	V.Raghavendra Prasad	The effect of hall current on the double diffusion heat and mass transfer flow of a chemically reacting fluid past a stretching sheet in the presence of constant heat sources	NA	2200
2018	Dr.R.Meenakshi Reddy	CFD Analysis of different types of single basin solar stills	NA	4000
2018	Dr.R.Meenakshi Reddy	Design and CFD analysis of food Dryer using solar Flat Plate Collector and Exhaust Gas with Finned Copper Tubes	NA	4000
2018	Dr.R.Meenakshi Reddy	A Critical investigation on effect of Nanofluids on the performance of A PCM based Thermal Energy Storage stsyem	NA	3250
2018	Dr.B.Veerabadra Reddy	A Numerical Study on Tube Hydroforming process to optimize the process parameters by Taguchi Method	NA	3750
2018	Dr.H.Raghavendr a Rao	Experimental Investigation on Mechanical Properties of hardwickia binata fiber reinforced polymer composites	NA	3750

2018	Sri.M.Lava Kumar	Experimental Comparison of solar paraboloid Collector with and without Mirror in Aluminum foil as reflectors	NA	7500
2018	Dr.K.Suresh Reddy	Review of contemporary literature on brust assembling and routing strategies in OBS networks	NA	3750
2018	Sri.A.Naghaphan eendra	Thermal Analysis of Solid Disc Brake Rotor	NA	3750
2018	Sri.S.B.Fayaz Basha	Design optimization of Reinforced concrete slabs using Genetic Algorithms	NA	7500
2018	Dr.K.Sri Gowri	Performance analysis of new simplified SVPWM Algorithm with different switching sequences	NA	4750
2018	Dr.P.Abdul Khayum	Mitral Regurgitation Severity Analysis Based on Features and Optimal HE (OHE) with quantification using PISA Method	NA	7500
2018	Dr.Y.Ramesh Babu	Near UV excited sr Al <sub>2</sub> O <sub>4</sub> :Dy <sup>3</sup> phosphors for white LED applications	NA	5000
2018	Dr.T.Bramhanand a Reddy	Level shifted Discontinuous PWM Algorithms to minimize Common mode voltage for	NA	3750

		Cascaded Multilevel inverter fed induction motor drive		
2018	Dr.T.Chandra Sekhar Reddy	Predicting the strength properties of slurry infiltrated fibrous concrete using artificial neural networks	NA	7500
2018	Dr.S.Govindarajulu	Novel fast and energy efficient carry skip adder in DSM technology	NA	7500
2018	Dr.KVS Sastry	Effect of foundry sand and mineral admixture on mechanical properties of concrete	NA	7500
2018	R.E.Ravali	Beam Engine Powered Punching Machine	NA	7500
2018	V.Dharani	Design and Fabrication of Wind Turbine Blades to increase efficiency by using Vortex Generator	NA	7500
2018	N.Lavanya	Design and Fabrication of a Portable Refrigerator Based on Peltier Effect	NA	7500
2018	Sri.B.Siva Reddy	Design of Rectangular patched microstrip antenna at 2300 MHz	NA	7500
2018	Dr.T.Bramhananda	Level Shifted Discontinuous PWM Algorithms to Minimize Common Mode	NA	3750

		Voltage for Cascaded Multilevel Inverter Fed Induction Motor Drive		
2018	T.Thammi Reddy	Implementation of Efficient Fire Filter Using Coefficient Synthesis Genetic Algorithm	NA	18500
2018	Dr.K.Sri Gowri	New Generalized SVPWM Algorithm for Multilevel Inverters	NA	5000
2018	K.Sudhakar Reddy	Flexural behavior of cement added geopolymers concrete	NA	25000
2018	Dr.G.Suresh Kumar	Modeling the performance of Vortex Tube using Response Surface Methodology and Artificial Neural Networks	NA	7500
2018	Sri.D.Mohan Krishnudu	Optimizing the Mechanical Properties of Calcium Carbonates Filled Coir silk Squash Hybrid Composites Using RSM and Simulated Annealing	NA	10000
2018	Dr.Y.V.Siva Reddy	Slap Swarm algorithm to combined economic and emission dispatch problems	NA	3750
2018	H.Raghavendra Rao	Mechanical Properties of Glass/Bamboo Fibers Reinforced Epoxy	NA	3750

		Composites Comparing with Chopped Strand Mat Treated with Bacterial Cellulose		
2018	P.Penchala Prasad	A contemplate report on clustering evaluation and nonlinear clustering in high dimensional data	NA	7500
2018	Dr.G.Kishore	Performance Investigation of 3Z buck boost converter for renewable applications	NA	7500
2018	PNVS Pavan Kumar	A Brief Survey Features and Techniques Used for Sentiment Analysis	NA	7500
2018	Dr.V.Ananthalakshmi	Power Spectral Density Estimation and THD of Motor Line Currents of AZSPWM Based DTC of Induction Motor Drive	NA	7500
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	21st century Teacher Roles and Responsibilities		25/06/2019	30/06/2019	70	0
2018	“Improvement in Pedagogical		25/06/2019	30/06/2019	44	0



	Skills"					
2018	Skill Deve lopment Program on Networking for Staff		26/10/2018	27/10/2018	0	7
<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
Software Engineering Best Practices(Java)	2	12/11/2018	23/11/2018	12
IUCEE International Engineering Educator Certificate	1	01/01/2019	01/07/2019	180
Software engineering	2	01/10/2018	02/10/2018	2
IBM Cloud computing Bluemix Training	2	01/04/2019	05/04/2019	5
Digital Skills Readiness Program	1	15/05/2019	22/05/2019	8
IIEECP Phase 2 Fall 2.4	1	01/08/2018	01/11/2018	91
FDP on Cloud Computing (NPTEL)	1	02/07/2018	20/12/2018	180
problem solving and Artificial Intelligence	1	10/06/2019	15/06/2019	6
TeachersRoles and responsibilities	4	24/06/2019	29/06/2019	6
Artificial Intelligence: Knowledge Representation and Reasoning	2	01/01/2019	30/04/2019	120
Compiler Design	1	01/01/2019	30/04/2019	120
"Microstructure characterization under Global	1	18/06/2018	22/06/2018	5

Initiative of Academic Networks (GIAN)				
One week FDP on "Statistics and Data Analysis for Engineers and Researchers"	3	27/05/2019	01/06/2019	6
One week FDP on " Remote sensing and GIS"	1	02/07/2018	07/07/2019	6
Online Certificate course on " Teaching and Learning in Engineering"(TALE)	5	01/02/2019	01/03/2019	30
Hydration, Porosity and Strength of Cementitious Materials IUCEEEEPICS Design Thinking Course	1	31/01/2018	31/07/2018	180
International Conference on Transformations in Engineering Education	1	08/01/2018	09/01/2018	2
One week FDP on "Outcome Based Education(FDP)"	2	06/05/2019	11/05/2019	6
One week national work shop on Hands on Experience on fabrication of nano composite materials for engineering applications	2	06/05/2019	10/05/2019	2
6 th International Conference on transformations in engineering Education (ICTIEE 2019)	2	07/01/2019	08/01/2019	2
Computational Fluid dynamics	2	13/08/2018	17/08/2018	5

EMobility and Innovations in Sheet Metal Forming	2	16/07/2018	20/07/2018	5
3D printing processing and applications" AICTE Sponsored Six -day faculty Development programme	2	16/07/2018	21/07/2018	6
Refrigeration and Air Conditioning" ISHRAEAICTE sponsored programme	1	02/07/2018	06/07/2018	5
"Improvement in Pedagogical Skills"	6	25/06/2018	30/06/2018	6
Orientation Programme	8	28/06/2018	29/06/2018	2
One week Faculty development programme on "Design, Development of MOOCS courses" conducted at JNTUA Anathapuramu by EICT Academy NIT Warangal	1	18/01/2019	24/01/2019	7
Faculty development programmes by NPTEL	62	02/07/2018	31/12/2018	120
Teaching and Learning in Engineering	28	01/02/2019	30/03/2019	60
Introduction to Machine Learning (NPTEL)	14	01/08/2018	01/10/2018	90
Foundation Program in ICT for Education	2	12/09/2018	18/10/2018	36
Pedagogy for Online and Blender Teaching -	2	30/10/2018	13/12/2018	44

Learning Process				
EICT Academy "Outcome Based Education"	2	06/05/2019	11/05/2019	6
Data Base Management Systems	4	02/07/2018	31/08/2018	58
Data Science And its Engineering Applications Using Python	4	19/06/2019	24/06/2019	6
InfyTQ based Foundation Program	4	06/05/2019	13/05/2019	8
Artificial Intelligence: Search Methods for problem solving	1	01/10/2018	31/10/2018	29
Global IPD	1	01/11/2018	30/11/2018	30
Global IPD	1	01/05/2019	31/05/2019	30
Cloud Computing and Distributed Systems	1	01/08/2018	01/10/2018	90
Programming through JAVA	3	01/02/2019	30/04/2019	90
Talent Next	1	01/05/2019	02/05/2019	2
Handson application development - using Industry Best Practices Principles	2	29/04/2019	31/05/2019	33
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
201	201	99	99

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Contributory EPF Pension scheme, Medical Insurance Reimbursement (Part), Gratuity, Maternity Leave	Contributory EPF pension scheme, Medical Insurance Reimbursement (Part), Gratuity, Maternity Leave	Group Insurance scheme

## 6.4 – Financial Management and Resource Mobilization

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

**Internal audit:** Usually conducted by College authorities and accounting department staff and Office staff  
**External audit:** Once every year, involving external auditing agencies consisting of Chartered accountants and other competent people.

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
IEEE Power and Energy Society, USAIEEE Power and Energy Society, USA	119260	To Conduct All Hyderabad Power and Energy Society Student Congress during 35th October 2018.,To conduct events under IEEE PES students chapter at GPREC
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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	Audit committee formed by the Institution involving external members	Yes	Committee formed by the Department
Administrative	Yes	Audit committee formed by the Institution involving external members	Yes	Committee formed by the Institution

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

- Conducting meetings at least once, every semester, with the parents
- Efforts to maintain students discipline and improve academic performance
- Discussion on academic results and ways to improve success rate

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

? "Total station" usage training programme conducted for non teaching staff (On field) ? Water quality testing procedures explanation (Laboratory Demonstration) ? Skill Development Programme on Networking (Laboratory Demonstration)

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

? Student mentoring with redefined objectives ? Launching of Incubation Innovation centre ? Introduction of "Beyond the syllabus experiments" as part of various practical courses with weightage in evaluation

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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	Regular IQAC meetings	02/07/2018	02/07/2018	02/07/2018	20
2019	One week Faculty Induction Programme	25/01/2019	25/01/2019	30/01/2019	44
2018	Two week Student Induction Programme	16/07/2018	16/07/2018	29/07/2018	780
2018	AQAR submission to NAAC	08/09/2018	08/09/2018	08/09/2018	120
2019	Academic Audit by external members	02/09/2018	02/09/2018	02/09/2018	3
2019	Participation in NIRF	04/04/2019	04/04/2019	04/04/2019	177
2019	NBA Accreditation for two programmes	01/02/2019	01/02/2019	03/02/2019	3
2019	Administrative Audit	15/05/2019	15/05/2019	20/05/2019	10
2019	Participation in AISHE of MHRD	10/01/2019	10/01/2019	30/01/2019	10
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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	
			Female	Male
Gender Sensitization Program	16/07/2018	21/07/2018	300	480

Poster Presentation on "Role of youth in fight for Gender Equality"	12/12/2018	12/12/2018	9	2
Group discussion on "Objectification of men and women"	13/12/2018	13/12/2018	8	2
Debate on "Equality is not privilege but a human right"	17/12/2018	17/12/2018	10	0
Gender Championship	08/03/2019	08/03/2019	40	0

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
400 kWp roof top Solar Plant to ensure uninterrupted power supply are available on the campus Data is taken from the records of the Solar power companies (3rd partner). Power requirement met by renewable energy sources 40.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	10
Ramp/Rails	Yes	10
Rest Rooms	Yes	10
Scribes for examination	Yes	10
Special skill development for differently abled students	Yes	10
Braille Software/facilities	No	0

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	0	1	06/12/2018	1	Blood Donation Camp and Distribution of	0	159

					Winter clothes in local slums		
2019	0	1	01/03/2019	1	Blood Donation camp	0	159
2018	0	1	06/12/2018	1	Distribution of winter clothes in local slums	0	22

#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Academic rules Regulations for the entire program (UG PG)	02/07/2018	Students are made to follow the specific regulations prescribed for assessment and evaluation

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Orphanage visit as part of Vivekanada study circle activities during induction program	16/07/2018	22/07/2018	96
NSS volunteers of GPREC visited Old age home, Akshitha Blind home and distributed fruits, necessary items to old people, blind students at Pasupala village	15/09/2018	15/09/2018	89
NSS volunteers of GPREC visited Vignana Peetam Orphanage Children Home and distributed fruits, necessary items to children.	22/09/2018	22/09/2018	84
Blood Donation Camp at R.V.Seshacharyulu hospital, GPREC.	06/12/2018	06/12/2018	86
NSS Units of G.Pulla Reddy Engineering College conducted National	05/01/2019	05/01/2019	83



Youth Day 2019 celebrations in the college campus on the occasion of 12 January being the birthday of Swami Vivekananda			
Elocution, Debate and Essay Writing Competitions- "Are people becoming technological zombies?".for UNIT I,II III.	09/01/2019	09/01/2019	93
Poster presentation and Rangoli competitions - "Importance of Environmental Protection". for UNIT I,II III.	10/01/2019	10/01/2019	96
NSS volunteers of GPREC visited " G. Narayanamma Pulla Reddy Respite Home for Mentally Retarded Women, Kurnool" and distributed fruits.	02/02/2019	02/02/2019	93
Survey programme was conducted to identify the problems faced by villagers at RudhravaramVillage .	09/02/2019	09/02/2019	90
NSS Volunteers conducted rally and created awareness on "Pulwama terror attack in Jammu and Kashmir" to villagers at RudhravaramVillage.	16/02/2019	16/02/2019	96
NSS Units of G.Pullu Reddy Engineering College collected fund and contributed 7000/Rs. Towards education of poor students Sree Saras wathisishuMandir, Kurnool.	23/02/2019	23/02/2019	91

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

? Reducing consumption of paper

? Introducing ecofriendly power sources(Solar)

? Banning Plastic usage inside the campus

? Increasing the green cover inside the campus

? Rain water harvesting and waste water treatment plant is being used as water conservation measure

## 7.2 – Best Practices

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

Best Practice1: 1. Title of the Practice: Two Week Induction Programme for I B. Tech students. 2. Objectives of the Practice: ? To impart knowledge about the Engineering programmes and to create an awareness on the importance of self learning among the student community. ? To promote the concepts of innovation, essence of Engineering and Physical fitness. ? To familiarize the students with the career options, opportunities for higher education and entrepreneurship. ? To create and build a cultural base among the young students to develop in them a personality with social concern and human values. ? To create and build confidence in the young minds to face the problems and difficult situations in life. 3. The Context: The design and implementation of the practice is intended to address various issues which are related to the overall development and growth of an Engineering student. Contextual features: ? Fresh students entering the portals of the college, with the intention of acquiring knowledge and aiming at overall development, must be initiated into the processes, early in their career. The programme acquires significance in this context. ? An approach to assimilate the various aspects of Engineering education, professional and human ethics, cultural practices and Physical fitness would be of immense benefit to a beginner. The programme extends this benefit to all the fresh students. 4. The Practice: The uniqueness of this practice is that, it would provide the fresh students with a direction, to make them realize the importance of attending programmes of this nature, where the knowledge transfer would be of immense value. The programme would provide a platform for the students to learn from various sources and focus on their overall development. It is a practice that is made use of by the College to initiate fresh students into the world of Engineering and professionalism. The practice had been carried out for the last four years. No constraints were faced in the implementation of the practice. The practice focuses on the various aspects of personality development, career options, alumni interaction, culture, Sports and Games, Yoga, Meditation and Essence of Engineering. Spread over two weeks, the programme exposes the students to lectures / presentations / demonstrations on various issues. Guest speakers / experts / artists from different fields interact with the students during the two week long programme. The various components which make up the Two Week Induction programme are ? Service activities ? Physical Activities ? Literary and cultural activities ? Essence of Engineering ? Personality Development and Human Service ? Proficiency Modules Field visits and practical sessions along with lectures / speeches / presentations are arranged, utilizing the facilities available. The practice has the limitation of being planned for two weeks only. Due to the tight academic schedule, more time cannot be utilized for the conduct of the Induction programme. Social service activities and the field visits to understand the situation on the ground and interact with the society, need more time and this undoubtedly is a constraint. But given the efforts that go into making the two week programme effective, the constraint could be overcome to yield satisfactory results. The practice and the participation in it would result in a good physical and psychological tuning of one's personality. It creates social consciousness among students. The cultural awareness imbibed

brings out the human values and elevates the ethical standards among the student community. 5. Evidence of Success: The targets that were set for the programme have been achieved to a considerable extent. The effectiveness of the programme and the confidence levels it has built among the students are indicators of the success that has been evident. The belief of success has emanated from the following observations ? Attendance on all the two weeks is very satisfactory ? Student involvement and interaction levels are high ? Feedback obtained at the end of the programme clearly indicates the success levels achieved. ? The programme has resulted in promotion of innovation and culture among the students as evidenced by the many comments made by the students. There are targets and benchmarks against which performance is measured like student attendance, active participation, enthusiastic response, involvement and above all interaction with the guest speakers / experts / artists / resource persons. The results indicate that the programme has been able to influence and affect the student community through various guest lectures / demonstrations / performances / speeches. 6. Problems Encountered and Resources Required: To arrange and organize the various activities, which are part of the two week Induction programme, a few problems have been encountered. Mostly, these relate to the finding of resource persons from various fields like Engineering education, Physical education, Art Culture, Professional and Human Ethics and Performing arts. To find resource persons and experts, who can guide the young minds and motivate them sufficiently besides imparting knowledge and wisdom, is a difficult job. Selection of appropriate resource persons and managing their schedules is work to be attended to with care and caution. All the infrastructure and facilities are in place for conducting the Two week programme. Mobilization of financial resources does not pose any problem. Any additional commitments are also met by providing necessary resources. 7. Notes: The institution is one among the few, in the region, which have been conducting the Two week Induction programme for the I B.Tech students. This could be setting a standard for others to follow and implement. Best Practice 2: 1. Title of the Practice: Ten minutes talk / presentation by students in each class. 2. Objectives of the Practice: ? To improve the communication skills of the students. ? To raise their self confidence ? To train the students in preparation of presentations / speeches. ? To positively impact the placement opportunities of the students by enabling them to face the interviews with confidence. 3. The Context: Engineering students are required to be groomed to become able professionals having requisite skills in engineering, in the field of their study. Besides the professional knowledge and skills, the requirement of employable students by the industry / organizations, includes communication skills. The talk / presentation by students is designed to address the core issue of improvement in communication skills. The challenges a student is likely to face, during the course of the study ,are many and varied. The most important challenge that a student has to address is communication. 4. The Practice: Realizing the importance of communication skills, the institution has evolved a practice of insisting that each student shall give a talk / presentation in the first ten minutes of the each class. In each course of study, the faculty would, by rotation, give chance for every student to give the talk / presentation at least once during entire semester. The practice is followed in every course of study and as there are about five / six theory courses in each semester, the student will get an opportunity to give talk / presentation five to six times every semester. This would give the student enough preparedness. During the entire programme the student is presented with ample opportunities to improve and fine tune the communication skills. The uniqueness of the practice in the context of higher education is that, the participation of students would give them exposure to public speaking, help them in enhancing their performance and develop their communication skills. The practice has certain constraints / limitations in the sense that, not all the students are willing to come forward

to present the ten minute talk / lecture. It requires a continuous effort from the faculty member to conduct the practice in a smooth and uninterrupted manner. Students come to know of their deficiencies, drawbacks and inhibitions when they present their talk / lecture and there is always scope for improvement, better performance and fine tuning. 5. Evidence of Success: The practice had proved to be very successful and the performance against the benchmarks and targets is satisfactory. The introduction of the practice and its implementation is yielding good results and the evidence of success is in the form of feedback, which is positive and encouraging. The practice is likely to aid the growth of communication skills among the students. The long term impact of the practice could positively influence the recruitment related processes, where communication skills are essential and primary requirement. . 6. Problems Encountered and Resources Required: The implementation of the practice is not without problems and some problems have been encountered. It becomes difficult to motivate all the students to participate and perform. The problem lies with academically weak and below average students, who are unwilling to take part in the practice and a possible reason could be not realizing the importance of development of communication skills. 7. Notes: The practice is very much relevant in the present day context of Engineering education, where every employer is expecting good communication skills in the candidates and the practice aims at the improvement of the same. It could be implemented / adopted by other institutions for positive results.

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

<https://www.gprec.ac.in/mandatory-disclosures/#iqac>

### 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

The institution, as outlined in its Vision and Mission statements, is making every effort to impart quality education and bring up young Engineers in a well defined academic atmosphere. The priority of the institution has always remained the improvement in the quality and standards of its human resources, namely faculty and staff. Various faculty development programs and staff training programs are arranged to ensure quality and upgrade knowledge and skills. The thrust areas identified by the institutions are ? Personality development of students ? Establishing state of the art technology equipment / tools

Provide the weblink of the institution

<https://www.gprec.ac.in>

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

1. To conduct international conference / workshop on "Emerging Technologies in Engineering and Technology" 2. To organize Faculty development programs on relevant and priority areas 3. To make research broad based and inter disciplinary 4. To obtain more funded projects 5. To devise effective strategies to increase placement opportunities 6. To impart entrepreneurship skills to the students 7. To improve industry institute interaction so that students can be made industry ready 8. To increase the number of faculty publications in referred journals