



Yearly Status Report - 2019-2020

Part A

Data of the Institution

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| 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 |

| 2. Institutional Status | | | | | |
|--|-------|------|---|-------------|-------------|
| Autonomous Status (Provide date of Conformant of Autonomous Status) | | | 19-Jun-2006 | | |
| Type of Institution | | | Co-education | | |
| Location | | | Rural | | |
| Financial Status | | | Self financed | | |
| 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 | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | | | https://www.gprec.ac.in/mandatory-disclosures/#iqac | | |
| 4. Whether Academic Calendar prepared during the year | | | Yes | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | | | https://www.gprec.ac.in/academicplanner/Academic-Schedule-B.Tech%20&%20M.Tech-2019-20.pdf | | |
| 5. Accrediation Details | | | | | |
| 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 |
| 6. Date of Establishment of IQAC | | | 29-Apr-2005 | | |
| 7. Internal Quality Assurance System | | | | | |

Quality initiatives by IQAC during the year for promoting quality culture

| Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries |
|---|-------------------|---------------------------------------|
| Two week Student Induction Programme | 19-Aug-2019 14 | 780 |
| AICTE Sponsored FDP on Student Induction | 19-Dec-2019 3 | 100 |
| AQAR Submission to NAAC | 07-Dec-2019 1 | 10 |
| Academic Audit by external members | 01-Nov-2019 1 | 3 |
| Participation in NIRF | 11-Jun-2019 1 | 8 |
| Extension of Accreditation by NBA for 3 UG programmes | 14-Feb-2020 1 | 3 |
| Participation in AISHE of MHRD | 04-Feb-2020 1 | 6 |
| Regular IQAC meetings | 02-Jul-2019 5 | 12 |
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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 |
| All five Departments | Recognized Research centre | GPREC | 2019 3 | 800000 |
| Institution | APSSDC-SIEMENS | Govt. of AP | 2016 5 | 3000000 |
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

5

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional

Yes

| | |
|--|---------------------------|
| website | |
| Upload the minutes of meeting and action taken report | View File |
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | Yes |
| If yes, mention the amount | 160040 |
| Year | 2019 |

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

IQAC involved in improving standards in different spheres of academic and administration as follows: ? 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 STTP grants from AICTE UGC. ? Conduct of Student Induction Programmes. ? Construction of Innovation and Incubation centre 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 |
|--|--|
| 1. To conduct international conference / workshop on "Emerging Technologies in Engineering and Technology" | An AICTE Sponsored International Conference "ICCCEEE - 2020" was organized on 10th 11th January 2020. Eminent speakers and resource persons from abroad were invited to deliver Keynote address. The quality research papers were published in SCI, Scopus and UGC approved Journals. Total no. of papers submitted to ICCCEEE2020: 270 Accepted: 145 Registered: 110 Keynote Speakers: Dr.Wathiq Mansoor, UAE, Dr.Parag Chatterjee, ARGENTINA Dr.D.V.L.N.Somayajulu, IIITDM Prof.M.Rama Subba Reddy,IIT Madras, Sri Sanjay Hotwani, CTS |
| 2. To organize Faculty development programs on relevant and priority areas | It is made mandatory by the college that every department shall conduct at least one Faculty Development Programme on relevant and priority areas every year. A total of 12 FDPs have been organized for the benefit of faculty fraternity. |
| 3. To make research broad based and inter disciplinary | Keeping in view the importance of inter disciplinary research, the college |

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|--|--|
| | management encouraged the faculty by providing funding for Inhouse projects, startups etc. Many faculty and students were benefitted by producing quality research publications. An amount of Rs. 9.5L has been sanctioned for seven InHouse projects. |
| 4. To obtain more funded projects | As per the guidelines issued by various funding agencies from time to time, faculty have applied for various schemes such as AICTE 17 DST8 ISRO1 UGC3. A total of Eight funding projects have been sanctioned by AICTE under various schemes. i.e MODROBS2 FDPs3 STTP2 RPS1 |
| 5. To devise effective strategies to increase placement opportunities | Various strategies like conduct of Mock Interviews, practice coding in Learning tools, participation in Hackathons, etc were implemented to increase placement opportunities for students. |
| 6. To impart entrepreneurship skills to the students | To improve entrepreneurship skills among students, move towards start ups and Innovations, A new Innovation and Incubation Centre (IIC) was established with in the campus exclusively for the students. |
| 7. To improve industry institute interaction so that students can be made industry ready | In order to improve Industry Institute Interaction for the benefit of students, Industry experts were invited to deliver guest lectures on latest trends and technologies, Departments have made MoUs with companies for technology transfer, Nominating industry experts in various Boards of studies etc which resulted in making the students industry ready. |
| 8. To increase the number of faculty publications in referred journals | Publications in SCI, ESCI/SCIE and Scopus Indexed Journals have been increased in all the departments resulting in the quality research. At total of 301 papers have been published in SCI/SCIE/ESCI/SCOPUS/UGC listed journals |
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| | |
|--|-----|
| 14. Whether AQAR was placed before statutory body ? | Yes |
|--|-----|

| Name of Statutory Body | Meeting Date |
|--------------------------|--------------|
| College Academic Council | 29-Jun-2019 |

| | |
|---|-----|
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to | Yes |
|---|-----|

| | |
|--|---|
| assess the functioning ? | |
| Date of Visit | 14-Feb-2020 |
| 16. Whether institutional data submitted to AISHE: | Yes |
| Year of Submission | 2020 |
| Date of Submission | 04-Feb-2020 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | The 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 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 | 18/05/2019 |

| | | | |
|---------------------------|-----|--|------------|
| | | Engineering | |
| BTech | CSE | Computer Science and Engineering | 18/05/2019 |
| BTech | EEE | Electrical and 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 | 01/07/2019 | Soft skills Lab (HU204), Advanced Communication skills Lab (HU203), Industrial training / CAA, Remote Sensing GIS (OE-I), Building Information Modelling (BIM) - (IDE) | 01/07/2019 |
| BTech | Mechanical Engineering | 01/07/2019 | Nano Technology (OE306), Optimization techniques (OE308), Product Life Cycle Management (OE317), Simulation of Engineering Systems (OE318), Robotics (OE404), 3D Printing (OE405) | 01/07/2019 |
| BTech | Electronics & Communication Engineering | 01/07/2019 | Advanced Communication Skills Lab (HU203) Soft Skills Lab (HU204) Embedded Systems and Programming (EC308) Python Programming | 01/07/2019 |

| | | | | |
|---------------------------|--------------------------------------|------------|---|------------|
| | | | (ECEL1) Internet of Things (ECEL6) Artificial Intelligence & Expert Systems (OE301) Scientific Programming with Python (OE314) | |
| BTech | Computer Science & Engineering | 01/07/2019 | Advanced Communication Skills Lab (HU203) Soft Skills Lab (HU204) Cloud Computing (CS409) Big Data Analytics (CS403) Algorithms & Big Data Lab (CS410) Python Programming (ECEL1) | 01/07/2019 |
| BTech | Electrical & Electronics Engineering | 01/07/2019 | Renewable Energy Systems (OE309) Fuzzy Logic & Neural networks (OE315) | 01/07/2019 |
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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 | Energy Conservation and Management | 02/12/2019 |
| BTech | Micro Electro Mechanical Systems | 02/12/2019 |
| BTech | Design of Heat Transfer Equipment | 02/12/2019 |
| BTech | Cryogenics | 02/12/2019 |
| BTech | Mechanical Behaviour of Materials | 02/12/2019 |
| BTech | Non Destructive Testing | 02/12/2019 |
| BTech | Hydraulics and Pneumatics | 02/12/2019 |
| BTech | Introduction to Aeronautical Engineering | 02/12/2019 |
| BTech | Tutorial Program for | 02/12/2019 |

| | | |
|---------------------------|--------------------------------|------------|
| | training on Hebeon platform | |
| BTech | Building Information Modelling | 02/12/2019 |
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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 | 01/07/2019 |

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 | 01/07/2019 | 180 |
| Constitution of India | 01/07/2019 | 780 |
| Managerial Economics Financial Accountancy | 01/07/2019 | 780 |
| Soft Skills | 01/07/2019 | 780 |
| Advanced Communication Skills | 01/07/2019 | 780 |
| Environmental Studies | 01/07/2019 | 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 | 59 |
| BTech | ME | 213 |
| BTech | ECE | 134 |
| BTech | CSE | 52 |
| BTech | EEE | 80 |
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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 |
| 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.

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 | 128 | 134 | 127 |
| BTech | ME | 193 | 191 | 186 |
| BTech | ECE | 193 | 198 | 193 |
| BTech | CSE | 193 | 202 | 193 |
| BTech | EEE | 128 | 132 | 114 |
| Mtech | SE | 18 | 18 | 15 |
| Mtech | VLSI & ES | 18 | 17 | 17 |
| Mtech | CSE | 18 | 17 | 17 |

[View File](#)

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 |
|------|---|---|---|---|--|
| 2019 | 3429 | 100 | 194 | 9 | 10 |

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 |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 213 | 195 | 5 | 55 | 5 | 3 |

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

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

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

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.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 3529 | 213 | 1:17 |

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 |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 12 | 12 | Nil | Nil | 2 |

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 | P. Panchala Prasad | Assistant Professor | Wipro Certified Faculty |
| 2020 | K V Rameswar Reddy | Assistant Professor | Wipro Certified Faculty |
| 2020 | T Swathi | Assistant Professor | Best Paper Presentation Award in Conference ICCEEE 2020 |

[View File](#)

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 | EEE | V | 26/11/2019 | 14/12/2019 |
| BTech | ECE | V | 26/11/2019 | 14/12/2019 |
| BTech | CSE | V | 26/11/2019 | 14/12/2019 |
| BTech | ME | V | 26/11/2019 | 14/12/2019 |
| BTech | CE | V | 26/11/2019 | 14/12/2019 |
| BTech | CE | III | 26/11/2019 | 14/12/2019 |
| BTech | ME | III | 26/11/2019 | 14/12/2019 |

| | | | | |
|---------------------------|-----|-----|------------|------------|
| BTech | CSE | III | 26/11/2019 | 14/12/2019 |
| BTech | ECE | III | 26/11/2019 | 14/12/2019 |
| BTech | EEE | III | 26/11/2019 | 14/12/2019 |
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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 |
|---|--|------------|
| Nill | 849 | 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 |
|---------------------------|----------------|--------------------------|---|---|-----------------|
| VLSI | Mtech | ECE | 7 | 7 | 100 |
| SE | Mtech | CE | 6 | 6 | 100 |
| CSE | Mtech | CSE | 18 | 18 | 100 |
| CE | BTech | CE | 124 | 73 | 59 |
| ME | BTech | ME | 201 | 134 | 67 |
| CSE | BTech | CSE | 183 | 148 | 81 |
| ECE | BTech | ECE | 212 | 169 | 80 |
| EEE | BTech | EEE | 129 | 87 | 67 |
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2.7 – Student Satisfaction Survey

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

| |
|---|
| https://www.gprec.ac.in/igac/NAAC-Student-Satisfaction-Survey-2020.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.E. Sanjeeva Rayudu,Smt. M. Chaitanya ,Dr. C. Harinath Reddy,Dr H.Raghavendra Rao |

[View File](#)

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. Madhavi Latha | Research fellowship for pursuing Doctoral degree | 12/12/2019 | NIT Warangal |

[View File](#)

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 |
|-----------------------|----------|----------------------------------|------------------------|---------------------------------|
| Nil | 2 | AICTE | 7.93 | 0 |
| Nil | 2 | AICTE | 12 | 0 |
| Nil | 2 | GPREC | 1.3 | 0 |
| Nil | 1 | G.PullaReddy Engineering college | 2.2 | 0 |
| Nil | 1 | AICTE | 2.35 | 0 |
| Nil | 1 | AICTE | 3.33 | 0 |
| Minor Projects | 1 | AICTE | 1.89 | 0 |

[View File](#)

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

4

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 |
|---|---|------------|
| ATWO DAY WORKSHOP ON ENGINEERING APPLICATIONS WITH MATLAB 2019BIn association with Capricot Technologies Pvt Ltd, Hyderabad | Electronics and Communication Engineering | 27/12/2019 |
| One Week National Level Online FDP on IoT and ML | Electronics and Communication Engineering | 26/06/2020 |
| A Two Day National Level Webinar on "Present Trends and Research Scopes in 5G Wireless Communications | Electronics and Communication Engineering | 27/06/2020 |
| National Level Online | Electronics and | 24/06/2020 |

| | | |
|---|---|------------|
| Quiz on Digital Image Processing | Communication Engineering | |
| National Level Online Quiz on Fuzzy Logic in AI | Electronics and Communication Engineering | 19/06/2020 |
| A Two Day National Level Webinar on PCB Design And Prototype Development Process | Electronics and Communication Engineering | 19/06/2020 |
| National Level Online Quiz on Advanced Microcontrollers and Their Applications | Electronics and Communication Engineering | 17/06/2020 |
| National Level Online Quiz on Basics of Python Programming | Electronics and Communication Engineering | 16/06/2020 |
| One Day National Level Webinar on "Formal Verification: Significance in VLSI Design Flow and System Verilog Assertions (SVA)" | Electronics and Communication Engineering | 12/06/2020 |
| National Level Online Quiz on MATLAB | Electronics and Communication Engineering | 09/06/2020 |
| A Two Day AICTE sponsored International Conference on Computing, Communication, Electrical and Electronics Engineering (ICCCEEE-2020) | Electronics and Communication Engineering | 10/01/2020 |
| A Two Day National Level Workshop on Cyber Security and Ethical Hacking | Electronics and Communication Engineering | 16/08/2019 |
| A Three day hands on workshop on "Industrial Process and Automation (IPA-2019)" | EEE-IEEE PES/IAS Students Chapter | 27/09/2019 |
| Technical talk on "Electric vehicles" | EEE-IEEE PELS Students chapter | 02/07/2019 |
| Professional talk on "Acquiring employability skills-Need of the hour" | EEE-IEEE GPREC SB | 01/10/2019 |
| One day workshop on-"Awareness on Industrial Robotics" | EEE-IEEE RAS Students chapter | 27/07/2019 |
| Technical talk on "3-D printing technology" | EEE-IEEE RAS Students chapter | 27/07/2019 |
| Technical talk on "Arduino micro controller and its applications" | EEE-IEEE RAS Students chapter | 03/10/2019 |

| | | |
|---|-----------------------------------|------------|
| Chapter event on "Engineering nitty Gritty" | EEE-IEEE PES/IAS students chapter | 14/08/2019 |
| Chapter event on "Wireless networks applications in Electrical Engg" | EEE-IEEE PES/IAS students chapter | 14/08/2019 |
| A Two day Students congress "Anokha-2019" on the theme Change yourself for the betterment of yourself | EEE-IEEE GPREC SB | 28/02/2020 |
| Two day hands-on Technical Workshop on "IOT with cloud Robotics and Humanoid robotics" | EEE-IEEE RAS Students chapter | 07/03/2020 |
| CNC Programming and on ROBCAD | Mechanical Engineering | 29/08/2019 |
| ROBOTICA2020 | Mechanical Engineering | 07/03/2020 |
| FDP on Computational Fluid Dynamics | Mechanical Engineering | 18/06/2020 |
| One day Webinar on analysis of advanced Manufacturing Processes Using FEM packages | Mechanical Engineering | 28/06/2020 |
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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 |
|-------------------------------|-----------------------------|------------------------|---------------|-------------------------------|
| Outstanding Student volunteer | Yarlagadda Dharani Srinivas | IEEE Hyderabad Section | 19/01/2020 | Outstanding Student volunteer |
| View File | | | | |

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 Innovation and Incubation Centre | G.PullaReddy Engineering college (Autonomous) Kurnool02/07 /2018 | Creative Groups | IoT and Machine Learning | 01/02/2020 |
| 1 | GPREC Innovation and Incubation Centre | G.PullaReddy Engineering college (Autonomous) Kurnool02/07 /2018 | VN Technologies | IOT and AI | 01/02/2020 |

| | | | | | |
|---------------------------|--|---|-------------|----------------------------|------------|
| 1 | GPREC Innovation and Incubation Centre | G.PullaReddy Engineering college (Autonomous) Kurnool02/07 /2018 | Sigmalytics | Data Analytics | 01/03/2020 |
| 1 | GPREC Innovation and Incubation Centre | G.PullaReddy Engineering college (Autonomous) Kurnool02/07 /2018 | Wanabuy | Online Food Delivery | 01/06/2020 |
| View File | | | | | |

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 | 2 |
| ECE | 1 |
| CSE | Nil |
| EEE | Nil |
| HBS | 1 |
| ME | Nil |

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 | Nil | 0 |
| International | CE | 34 | 1.2 |
| National | ECE | Nil | 0 |
| International | ECE | 61 | 0.31 |
| National | CSE | Nil | 0 |
| International | CSE | 49 | 0 |
| National | EEE | Nil | 0 |
| International | EEE | 19 | 0.5 |
| National | ME | Nil | 0 |
| International | ME | 62 | 0 |

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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 |
|------------|-----------------------|
| ME | 3 |
| EEE | 18 |
| CSE | 2 |

| | |
|---------------------------|----|
| ECE | 46 |
| CE | 4 |
| View File | |

3.4.4 – Patents published/awarded during the year

| Patent Details | Patent status | Patent Number | Date of Award |
|---|---------------|-----------------|---------------|
| A Bluetooth Based Thermal Scanner and Data Monitoring System | Filed | 202041028295 | 02/07/2020 |
| Filed a patent on "Wearable Safety devise and a method to operate the same" | Published | 201941042830, C | 22/10/2019 |
| Filed a patent on "A Bluetooth Based Thermal Scanner And Data" | Published | 21096 202041028 | 22/07/2019 |
| Drink wear capable of storing thermal energy for longer period | Published | 202041011191 | 16/03/2020 |
| View File | | | |

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 |
|--|------------------------------|---|---------------------|----------------|---|---|
| Mechanical and Durability Properties of Self Curing Concrete with Partial Replacement of Cement by Calcinated Zeolite Powder | Dr. T. Chandra Sekhara Reddy | International Journal of Scientific and Technology Research (IJSTR) | 2019 | 0.18 | G Pulla Reddy Engg. college | 2 |
| Study of the Effect of Nano Silica on the Self Healing Ability of | Dr. T. Chandra Sekhara Reddy | International Journal of Civil Engineering and Technology | 2019 | 1 | G Pulla Reddy Engg. college | 1 |

| | | | | | | |
|--|---------------------------------|--|------|------|-----------------------------|----|
| High Strength Concrete with Crystalline Admixture | | (IAEME) | | | | |
| Self - Healing Concrete with Crystalline Admixture - A Review | Dr. T. Chandra Sekhara Reddy | Journal of Wuhan University of Technology Materials Science Edition (Springer) | 2019 | 0.16 | G Pulla Reddy Engg. college | 5 |
| Micromechanical properties of self-Healing Concrete with Crystalline Admixture and Silica Fume | Dr. T. Chandra Sekhara Reddy | ACI Materials Journal | 2020 | 1 | G Pulla Reddy Engg. college | 4 |
| Study on Mechanical properties of Metakaolin-GGBS based Geopolymer Concrete | Dr. K V S Gopala Krishna Sastry | International Journal Management, Technology and Engineering | 2019 | 0.18 | G Pulla Reddy Engg. college | 2 |
| Study of Dykes from Chigargunta Gold Mines Andhra Pradesh | Dr. S. R adhakrishna | International Journal - Indian Science Cruisier, Indian Society Science Education and Culture, Kolkata | 2019 | 0.16 | G Pulla Reddy Engg. college | 10 |
| Sustainable Improvement of Expansive Clays Using Xanthan Gum as a Biopolymer | Dr. B.J.S. Varaprasad | Civil Engineering Journal | 2019 | 0.14 | G Pulla Reddy Engg. college | 12 |

| | | | | | | |
|---|-----------------------|---|------|------|-----------------------------|---|
| Soil Improvement By Fine Fraction Residue From Recycling Construction And Demolition Waste | Dr. B.J.S. Varaprasad | International Journal of Scientific Technology Research | 2019 | 0.18 | G Pulla Reddy Engg. college | 1 |
| Remediation of expansive soils using mango kernel ash and calcium carbide residue | Dr. B.J.S. Varaprasad | International Journal of Environment and Waste Management | 2020 | 0.14 | G Pulla Reddy Engg. college | 1 |
| Effect of Xanthan Gum on Internal Erosion Characteristics of Dispersive Soils - As an Eco-friendly Additive | Dr. B.J.S. Varaprasad | International Journal of Advanced Science and Technology | 2020 | 0.15 | G Pulla Reddy Engg. college | 1 |
| View File | | | | | | |

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 |
|---|--------------------|--|---------------------|---------|---|---|
| Pathological Brain Tumor Detection Using CLAHE and LS-SVM | Dr.S.Nag araja Rao | International Journal of Test Engineering and Management | 2020 | 2 | 1 | GPREC, Kurnool |
| A hybrid Integrity based encryption model on video to video Steganography | Dr.S.Nag araja Rao | International Journal of Advanced Science and Technology | 2019 | 2 | 1 | GPREC, Kurnool |

| | | | | | | |
|---|-----------------------------|--|------|---|-----|----------------|
| Determination of mechanical properties of rice husk ash concrete | M. Preetham Siddharda Reddy | International journal of creative research thoughts | 2020 | 1 | Nil | GPREC, Kurnool |
| Experimental Study of compressive strength and Micro Structural Analysis of Reactive power Concrete with Different Dosages of Nano-Silica | V.K. Visweswara Rao | International Journal of Scientific Technology Research | 2020 | 1 | Nil | GPREC, Kurnool |
| Analysis of Accidents In Urban Area Applying Chi-Square Test | Sowjanya | TEST Engineering Management | 2020 | 1 | Nil | GPREC, Kurnool |
| Experimental Investigation on Concrete by Partial Replacement of Cement and Fine Aggregate with Industrial Waste | G. Nagesh Kumar | International Journal of Management , Technology and Engineering | 2019 | 2 | Nil | GPREC, Kurnool |
| Influence of Calcination Temperature and the Pozzolanic Reactivity of Lc3 | M. Sreenivasula Reddy | International Journal of Engineering Science (IJESC) | 2019 | 4 | Nil | GPREC, Kurnool |
| | E. | Internat | 2019 | 2 | Nil | GPREC, |

| | | | | | | |
|---|--------------------|--|------|---|-----|----------------|
| Prediction of Corrosion Activity Levels of HYSD Bars in OPC, SCC and GPC by Electrical Resistivity Method and Half Cell Potential Method. | Sanjeeva Rayudu | International Journal of Civil Engineering and Technology (IJCIET) | | | | Kurnool |
| Study on Mechanical properties of Metakaolin-GGBS based Geopolymer Concrete | K.V.S. G.K. Sastry | International Journal Management, Technology and Engineering | 2019 | 2 | Nil | GPREC, Kurnool |
| Sustainable Improvement of Expansive Clays using Xanthan gum as a Biopolymer | B.J.S. Varaprasad | Civil Engineering Journal | 2019 | 2 | 3 | GPREC, Kurnool |
| View File | | | | | | |

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 25 | 550 | 7 | Nil |
| Presented papers | 90 | 2 | Nil | Nil |
| Resource persons | Nil | 12 | 2 | Nil |
| View File | | | | |

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultant(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 | 647000 |

| | | | |
|---------------------------|----------------------|-----------------------------------|--------|
| EEE | Transformer oil test | State Government and local bodies | 1725 |
| ME | Composites testing | State Government and local bodies | 115286 |
| View File | | | |

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 |
|-------------------------------------|------------------------|---------------------------|--------------------------------------|--------------------|
| 0 | 0 | 0 | 0 | 0 |
| View File | | | | |

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 |
|--|--|--|--|
| One student one tree " tree plantation drive - was Conducted at GPREC college campus. | Human Resource and Development (HRD) | 7 | 300 |
| NSS of GPREC celebrated Golden Jubilee Celebrations 2019 and prizes and certificates are given to the winners of Essay Writing competitions on "Ban of Plastic Use" | GPREC | 7 | 50 |
| The National Service Scheme (NSS) of GPREC is conducted Essay Writing (English or Telugu) competition on "Ban of plastic use" to the students on behalf of "Golden Jubilee Celebrations of NSS Day on 24th September, 2019 | JNTUA | 7 | 50 |
| Rally on "awareness on plastic ban" at Dhinnedavarapadu | JNTUA | 7 | 300 |

| | | | |
|---|--------------------------------------|---|-----|
| village, conducted by NSS of GPREC | | | |
| NSS Meeting with Volunteers - Activities planned for I Semester for UNIT I , II III. | JNTUA | 7 | 300 |
| Cleaning Programme and pouring water to planted trees in college campus | JNTUA | 7 | 300 |
| One student one tree " tree plantation drive - was Conducted at GPREC college campus. Faculty members, NSS volunteers of GPREC participated and planted 60 trees in college campus. | Human Resource and Development (HRD) | 7 | 300 |
| NSS of GPREC conducted orientation program for II B.Tech NSS students | JNTUA | 7 | 300 |
| Blood Donation Camp - 65 Blood donors donated blood at R.V.Seshacharyulu hospital, GPREC. | JNTUA | 7 | 65 |
| NSS of GPREC conducted Inaugural function for II B.Tech NSS students | JNTUA | 7 | 300 |
| View File | | | |

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 |
|--|------------------------------|---|------------------------------|
| Unit Level NSS Youth Festival - 2020 | NSS Awards, Solo song Winner | GPREC, Kurnool | 23 |
| University Level NSS Youth Festival - 2020 | NSS Awards | JNTUA, Anantapur | 10 |
| Blood donation camp | Appreciation Rakta Bhandu | Govt.General Hospital and Indian Aids Society | 30 |

| | | | |
|---|--|-------------------------------------|-----|
| GPREC IEEE SB students chapter Activities | Lead Student Branch" Award for GPREC IEEE SB 15721 | IEEE Hyderabad Section | 144 |
| GPREC IEEE SB-PES students chapter | 21st Position in High Performance Student Branch Chapter (HPSBC) | IEEE PES Chapter, USA head quarters | 52 |

[View File](#)

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 |
|--------------------------|---|---|--|--|
| UGC Gender Sensitization | GPREC IEEE SB-WIE AG students chapter | IEEE-WIEAG-Quiz competition on Gender Issues and Awareness | 2 | 200 |
| UGC Gender Sensitization | GPREC IEEE SB-WIE AG students chapter | IEEE-WIEAG-Gender Issues and Awareness | 2 | 200 |
| UGC Gender Sensitization | GPREC IEEE SB-WIE AG students chapter | IEEE-WIEAG-El ocution-"Role women in Waste Management-Need of the hour" | 2 | 12 |
| Swachh Bharat | G.Pulla Reddy Engineering College,Kurnool | Awareness Creation Among Use Wet And Dry Waste Bins | 2 | 35 |
| Swachh Bharat | G.Pulla Reddy Engineering College, Kurnool | Awareness programme about Sanitation and Hygiene | 2 | 110 |

[View File](#)

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 PMKVY-TI Scheme. | B.Tech, Diploma, ITI, Intermediate(V ocational) and 10th Standard Students from various Institutes B.Tech, Diploma and ITI Students from various collges | APSSDC(Govt. of AP) PMKVY-TI (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 |
| View File | | | |

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 |
|--|--|---|---------------|-------------|-------------|
| Industry-Institution linkage | Internship based Preliminary training for VIII sem (Final year) students | CTS, Hyderabad | 01/12/2019 | 31/03/2020 | 16 |
| Provides internship to students | Summer Internship | VALUE LABS | 01/12/2019 | 31/03/2020 | 15 |
| Provides internship to students | Internship | NCR | 01/12/2019 | 31/03/2020 | 25 |
| Provides internship to students | Internship | CYBER | 01/12/2019 | 31/03/2020 | 30 |
| Provides internship to students | Internship | CTS | 01/12/2019 | 31/03/2020 | 24 |
| Provides internship to students Provides internship to students | Internship | APTEAN | 01/12/2019 | 31/03/2020 | 22 |
| Industry-Institution linkage | Internship based Preliminary training for VIII sem (Final year) students | 1.CTS, Hyderabad 2.IBM, Bangalore 3.VALUE LABS, Hyderabad 4.APTEAN, Bangalore 5.REDBUS, Bangalore 6. BSNL, Kurnool | 01/07/2019 | 30/06/2020 | 131 |
| Internship | Internship | CTS | 01/12/2019 | 31/03/2020 | 4 |
| View File | | | | | |

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 |
|---|--------------------|--|---|
| Techsys IOT Labs (Unit of Techsys Automation Pvt Ltd, Hyderabad) | 31/07/2019 | Provide IOT and PLC/ SCADA centric training and internship | 44 |
| View File | | | |

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 |
|--|--|
| 720 | 705 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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 |
|---------------------------|--|---------|--------------------|
| SLIM | Fully | 3.2 | 2004 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---------|-------------|--------|-------|---------|
| | | | | | | |
| Reference Books | 10062 | 1099648 | 273 | 122691 | 10335 | 1222339 |
| Journals | 92 | 432110 | Nil | Nil | 92 | 432110 |

| | | | | | | |
|-------------|-------|---------|-----|---------|-------|---------|
| e- Journals | 523 | 1690473 | 809 | 1163537 | 1332 | 2854010 |
| CD & Video | 18 | 23000 | Nil | Nil | 18 | 23000 |
| Text Books | 48655 | 4651207 | 625 | 262249 | 49280 | 4913456 |

[View File](#)

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 |
|---------------------|--------------------|---------------------------------------|-----------------------------|
| Nil | Nil | Nil | 01/07/2019 |

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/ GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|----------------------------------|--------|
| Existing | 1360 | 900 | 180 | 50 | 145 | 30 | 50 | 155 | 5 |
| Added | 30 | 10 | 10 | 2 | 1 | 2 | 5 | 0 | 2 |
| Total | 1390 | 910 | 190 | 52 | 146 | 32 | 55 | 155 | 7 |

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

155 MBPS/ GBPS

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|--|--|
| Nil | Nil |

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 |
|--|--|--|--|
| 75 | 69.33 | 64.5 | 667.58 |

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 day today 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 | G. Pulla Reddy Charities Trust | 108 | 1704000 |
| 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 | NIL | Nil | 0 |

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|-------------------------------------|
| Soft skill development | 10/08/2019 | 456 | Nil |
| Remedial Coaching | 11/09/2019 | 36 | Nil |
| Language Lab | 01/07/2019 | 383 | Nil |
| Bridge Courses | 15/08/2019 | 41 | Nil |
| Yoga Meditation | 01/07/2019 | 148 | Patanjali Yoga and Meditation Trust |
| Mentoring | 01/07/2019 | 1771 | Nil |
| Spoken Tutorial | 01/07/2019 | 350 | IIT-Bombay |
| NPTEL | 01/08/2019 | 50 | AICTE-MHRD |

[View File](#)

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 |
|---------------------------|--------------------|--|--|--|---------------------------|
| 2019 | ITCA | Nil | 598 | Nil | 455 |
| 2019 | GATE | 367 | Nil | 69 | Nil |
| View File | | | | | |

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 |
|---------------------------|--------------------------------|---|
| 1 | 1 | 15 |

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 |
| EZE Software ValueLabs Riktam Technologies TCS - Ninja TCS Digital CTS GGK Technologies Mphasis Mindtree Wipro IBM IHS Markit Aptean Quickride Principal Global Infosys - SE Infosys - PP Infosys - SES NTT Data BTBP NCR Corporation ShellPro Technologi | 3128 | 597 | Sukshi Technologies Mahi Granites MEIL | 46 | 25 |
| View File | | | | | |

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|------|-----------------------------------|--------------------------|---------------------------|----------------------------|-------------------------------|
|------|-----------------------------------|--------------------------|---------------------------|----------------------------|-------------------------------|

| | | | | | |
|---------------------------|------------------|---|---|--|---|
| | higher education | | | | |
| 2019 | 17 | UG Programme | Civil Engineering | NICMAR, NITs, University Colleges of Engineering | M.Tech (Str.Engg), M.Tech (Env.Engg), PG Programme in Construction Management |
| 2019 | 2 | Computer Science and Engineering UG programme | Computer Science and Engineering UG programme | G.Pulla Reddy Eng College, Kurnool | M.Tech in CSE |
| View File | | | | | |

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 | 22 |
| GRE | 1 |
| Any Other | 20 |
| View File | |

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|--|------------------------|------------------------|
| Udaan (Sports) 20 | Event/ Institute Level | 97 |
| District Level Youth Festival under NSS and Bhuvanavijayam 20 | Event/ Institute Level | 18 |
| Elocution Competition 20 | Event/ Institute Level | 13 |
| One Day Literary Program along with sahithya academy on Kavisammelanam 20 | Event/ Institute Level | 10 |
| Telugu BhashaDinothsavam 20 | Event/ Institute Level | 11 |
| Guest Lectures by Eminent Persons in field of Literature as part of Two week induction program for 1st year B.Tech of 2019-20 20 | Event/ Institute Level | 180 |
| UDAAN Sports 20 | Institution Level | 205 |
| View File | | |

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 | National/ | Number of | Number of | Student ID | Name of the |
|------|-------------|-----------|-----------|-----------|------------|-------------|
|------|-------------|-----------|-----------|-----------|------------|-------------|

| | award/medal | Internaional | awards for Sports | awards for Cultural | number | student |
|------|---|--------------|-------------------|---------------------|------------|------------------------|
| 2019 | First Prize in event organized by S V Foundation | National | Nil | 1 | 169X1A04C8 | Mr. Rahul Narahari |
| 2019 | First Prize in event organized at State Level Youth Festival at JNTUA, Anantapuramu | National | Nil | 1 | 169X1A03C5 | Mr. Muniswamy |
| 2019 | Prize in event organized at State Level Youth Festival at JNTUA, Anantapuramu | National | Nil | 1 | 169X1A0357 | Mr. Prashanth |
| 2019 | First Prize in event organized by S V Foundation | National | Nil | 1 | 179X1A03C2 | Mr. R. Chakri |
| 2019 | First Prize in event organized by S V Foundation | National | Nil | 1 | 179X1A02A5 | Mr. V. Ganeswari |
| 2019 | Selected for JNTUA Inter University Team | National | 1 | Nil | 179X1A05F4 | Ms. P. Sravani |
| 2019 | Selected for JNTUA Inter University Team | National | 1 | Nil | 169X1A0591 | Ms. S Kavya |
| 2019 | Selected for JNTUA Inter University | National | 1 | Nil | 169X1A05F9 | Mr. J VenkataManikanta |

| | | | | | | |
|------|---|----------|---|-----|------------|----------------|
| 2019 | Chess (Women), 6th Autonomous Engineering College Inter Collegiate Games Meet- 2K20 (AECICGM) | National | 1 | Nil | 179X1A0283 | P Samyuktha |
| 2019 | Throw ball (Women), 6th Autonomous Engineering College Inter Collegiate Games Meet- 2K20 (AECICGM) | National | 1 | Nil | 179X1A0283 | P Samyuktha |

[View File](#)

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) • IEI 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)
- IEEI 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:

9850

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

180000

5.4.4 – Meetings/activities organized by Alumni Association :

GPREC North America Alumni Meet - Chicago IL, Saturday 6th July 2019

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 |

| | |
|--|--|
| | <p>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.</p> |
| Teaching and Learning | <p>Continuous efforts are being made to ensure the effectiveness of teaching and learning process by adopting various measures like</p> <ul style="list-style-type: none"> • Improving skills and standards of faculty utilising FDPs. • Extensive use of ICT tools in class room teaching. • Focusing on Interactive sessions. |
| Examination and Evaluation | <ul style="list-style-type: none"> • 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 | <p>Faculty publications are encouraged by means of incentives.</p> <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 | <p>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.</p> |
| Industry Interaction / Collaboration | <p>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</p> |

| | |
|-----------------------|--|
| | mutual benefit. |
| Admission of Students | Standardization 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 one using ICT tools. |
| Finance and Accounts | Preparation of salary bills, Monitoring of expenditure, payment of consultancy charges and remuneration are one 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 extracurricular 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 |
|------|---------------------|--|--|-------------------|
| 2019 | Dr B.Santhosh Kumar | Journal of Advance Research in Dynamical Control System (JARDCS) | Nil | 10000 |
| 2019 | Dr B.Santhosh Kumar | International Conference on Computing, Communication, Electrical and Electronics Engineering | Nil | 10000 |

| | | | | |
|---------------------------|-----------------------------|---|-----|-------|
| 2019 | Dr.G.Vijaya Kumar | TEST Engineering Management Journal | Nil | 10000 |
| 2019 | Dr.R.Praveen Sam | International Journal of Innovative Technology and Exploring Engineering | Nil | 3750 |
| 2019 | Dr.R.Praveen Sam | Three Day Workshop on NAAC's New Framework for Accreditation and Assessment of HEIs: Opportunities and Challenges | Nil | 3960 |
| 2019 | Dr.R.Praveen Sam | Two Day workshop on Quality Enhancement Measures in higher Technical ,Professional | Nil | 6340 |
| 2019 | Dr.N.Kasivisw anath | International Journal of Engineering and Advanced Technology | Nil | 5000 |
| 2019 | Dr. K. Govardhan Reddy | FDP on Design Develop and Deliver MOOC Courses through SWAYAM | Nil | 11000 |
| 2019 | Dr. K. Govardhan Reddy | Workshop on NIRF Ranking | Nil | 2000 |
| 2019 | Sri P.Penchala Prasad | International Journal of Intelligent Engineering and Systems | Nil | 7500 |
| View File | | | | |

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 | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|-----------|---------|---|---|
|------|--|---|-----------|---------|---|---|

| | | staff | | | | |
|------|--|--|------------|------------|-----|-----|
| 2019 | AICTE sponsored 3 Day FDP on "Student Induction" | AICTE sponsored 3 Day FDP on "Student Induction" | 19/12/2019 | 21/12/2019 | 100 | Nil |
| 2019 | A Two Day National Level Workshop on Cyber Security and Ethical Hacking | A Two Day National Level Workshop on Cyber Security and Ethical Hacking | 16/08/2019 | 17/08/2019 | 40 | Nil |
| 2019 | ATWO DAY WORKSHOP ON ENGINEERING APPLICATIONS WITH MATLAB 2019B | ATWO DAY WORKSHOP ON ENGINEERING APPLICATIONS WITH MATLAB 2019B | 27/12/2019 | 28/12/2019 | 50 | Nil |
| 2020 | Hands on training on PCB prototype machine, In association with Apply Volt | Hands on training on PCB prototype machine, In association with Apply Volt | 23/01/2020 | 25/01/2020 | 38 | Nil |
| 2020 | One week FDP on IoT and Machine learning | One week FDP on IoT and Machine learning | 26/06/2020 | 30/06/2020 | 10 | Nil |
| 2020 | Present Trends and Research scopes in 5G Wireless Communications" | Present Trends and Research scopes in 5G Wireless Communications" | 27/06/2020 | 28/06/2020 | 40 | Nil |
| 2019 | Two Weeks FDP on "Data Science and Big Data Analytics" | Two Weeks FDP on "Data Science and Big Data Analytics" | 26/08/2019 | 07/09/2019 | 60 | Nil |

[View File](#)

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 |
|---|---------------------------------|------------|------------|----------|
| Webinar on "CO-PO Attainment computation and outcome analysis" conducted by INPODS Edu-tech | 2 | 30/05/2020 | 30/05/2020 | 2 |
| Webinar on "Image Processing using Python" organized by Mount Zion College of Engineering and Technology, Pudukkottai in association with Pantech Solutions | 1 | 12/05/2020 | 12/05/2020 | 1 |
| Emerging Trends in Infrastructure Structural Engineering | 4 | 02/06/2020 | 06/06/2020 | 5 |
| Recent Advancements in Civil Engineering: Challenges and Futures Perspectives-Part II | 8 | 22/06/2020 | 27/06/2020 | 7 |
| FDP on Preserving Environment-Eco-friendly Systems | 9 | 15/06/2020 | 19/06/2020 | 5 |
| TALE 2: Course Design and Instruction of Engineering Course | 4 | 01/07/2019 | 30/09/2019 | 30 |
| Emerging Techniques in Civil Engineering | 2 | 01/06/2020 | 06/06/2020 | 6 |
| Developing | 1 | 28/04/2020 | 28/04/2020 | 1 |

| | | | | |
|--|---|------------|------------|---|
| Thinking Abilities Relevant for Engineering Education" Organized by FACE | | | | |
| Seminar program on NBA Organized by BharatiVidyapeeth College of Engineering, Navi Mumbai | 3 | 11/05/2020 | 11/05/2020 | 1 |
| Webinar on " Image Processing-Open CV" organized by IETE, Mumbai in association with Pantech Solutions | 1 | 08/05/2020 | 08/05/2020 | 1 |
| View File | | | | |

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

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 213 | 213 | 101 | 101 |

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 High Performance Student Branch Chapter Competision | 14715 | To Conduct Power and Energy Related Events for the Students of Electrical and Allied Engineering Fields at GPREC in order to improve |

their Technical Skills

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6.4.3 – Total corpus fund generated

0

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 |
|------|------------------------------------|-------------------------|---------------|-------------|------------------------|
| 2019 | Two week Student | 19/08/2019 | 19/08/2019 | 31/08/2019 | 780 |

| | | | | | |
|------|---|------------|------------|------------|-----|
| | Induction Programme | | | | |
| 2019 | AICTE Sponsored FDP on Student Induction | 19/12/2019 | 19/12/2019 | 21/12/2019 | 100 |
| 2019 | AQAR Submission to NAAC | 07/12/2019 | 07/12/2019 | 07/12/2019 | 10 |
| 2019 | Academic Audit by external members | 01/11/2019 | 01/11/2019 | 01/11/2019 | 3 |
| 2019 | Participation in NIRF | 11/06/2019 | 11/06/2019 | 11/06/2019 | 8 |
| 2020 | Extension of Accreditation by NBA for 3 UG programmes | 14/02/2020 | 14/02/2020 | 14/02/2020 | 3 |
| 2020 | Participation in AISHE of MHRD | 04/02/2020 | 04/02/2020 | 04/02/2020 | 6 |
| 2019 | Regular IQAC meetings | 02/07/2019 | 02/07/2019 | 02/07/2019 | 12 |

[View File](#)

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 programme | 19/08/2019 | 23/08/2019 | 350 | 500 |
| Gender champion of GPREC-2019 contest | 01/12/2019 | 31/12/2019 | 10 | 8 |

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 |
| Braille Software/facilities | No | Nil |
| Rest Rooms | Yes | 10 |
| Scribes for examination | Yes | 10 |
| Special skill development for differently abled students | Yes | 10 |
| Any other similar facility | Yes | 10 |

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 |
|------|--|--|------------|----------|---|------------------|--|
| 2019 | Nil | 1 | 08/11/2019 | 1 | Blood Donation camp | Nil | 159 |
| 2019 | Nil | 1 | 21/01/2020 | 1 | Blood Donation camp | Nil | 95 |
| 2019 | Nil | 1 | 21/01/2020 | 1 | Distribution of winter clothes in local slums | Nil | 12 |

[View File](#)

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) | 01/07/2019 | 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 |
|---------------|---------------|-------------|------------------------|
| guest Lecture | 02/12/2019 | 02/12/2019 | 150 |
| NSS of GPREC | 20/07/2019 | 20/07/2019 | 300 |

| | | | |
|---|------------|------------|-----|
| conducted Inaugural function for II B.Tech NSS students | | | |
| Blood Donation Camp - 65 Blood donors donated blood at R.V.Seshacharyulu hospital, GPREC. | 26/07/2019 | 26/07/2019 | 100 |
| NSS of GPREC conducted orientation program for II B.Tech NSS students | 03/08/2019 | 03/08/2019 | 300 |
| "One student one tree " tree plantation drive - was Conducted at GPREC college campus. Faculty members, NSS volunteers of GPREC participated and planted 60 trees in college campus. | 10/08/2019 | 10/08/2019 | 300 |
| Cleaning Programme and pouring water to planted trees in college campus . | 24/08/2019 | 24/08/2019 | 250 |
| NSS Meeting with Volunteers - Activities planned for I Semester for UNIT I , II III. | 31/08/2019 | 31/08/2019 | 260 |
| Rally on "awareness on plastic ban" at Dinnedavarapadu village, conducted by NSS of GPREC | 21/09/2019 | 21/09/2019 | 300 |
| The National Service Scheme (NSS) of GPREC is conducted Essay Writing (English or Telugu) competition on "Ban of plastic use" to the students on behalf of "Golden Jubilee Celebrations of NSS Day on 24th September,2019 | 24/09/2019 | 24/09/2019 | 40 |

| | | | |
|--|-------------------|-------------------|------------|
| <p>NSS of GPREC celebrated Golden Jubilee Celebrations 2019 and prizes and certificates are given to the winners of Essay Writing competitions on "Ban of Plastic Use"</p> | <p>28/09/2019</p> | <p>28/09/2019</p> | <p>200</p> |
|--|-------------------|-------------------|------------|

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

? Reducing consumption of paper ? Introducing eco-friendly 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 Practice-1: 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. The evolution of a young Engineering student into a successful professional engineer, would have to begin with an exposure to a wide range of events and activities, from culture to body matters. 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. The effects have been observed on the following aspects. ? Personality development ? Attitude and behavior ? Team work and leadership ? Human relations ? Interpersonal skills ? Service activities

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. The practice assumes significance in this context. Its implementation would pave the way, for addressing the basic needs, the employer would expect from the students, in the process of recruitment, that is communication skills. 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. The practice had been carried out for the last few years and the focus is on achieving the desired results like, preparing students to overcome their inhibitions and improvement in oral presentations. 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 evidence of success of the practice could come

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/#igac>

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/igac/GPREC-Institutional-Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

a. To obtain more funded projects from external funding agencies b. To increase the number of faculty publications in peer reviewed journals c. To have

Memorandum of Understanding with Industrial Academies to improve industry institute interaction d. To provide training for students in certification courses e. To organize Faculty Development Programmes on emerging technologies. f. To provide awareness to faculty on patent filing and Intellectual Property Rights g. To make the students take up innovative and industry related projects. h. To train the students on emerging technologies like Industrial automation, IoT, Data Science, Blockchain and Embedded applications i. To focus on E-content development by faculty