Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**K.G. REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**R S Jahagirdar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08417-252890**
Mobile no.	**8978991991**
Registered Email	**principal@kgr.ac.in**
Alternate Email	**rsjahagirdar@gmail.com**
Address	**Chilkur (Village), Moinabad Mandal, Ranga Reddy District**
City/Town	**Hyderabad**
State/UT	**Telangana**
Pincode	**501504**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Mr. M N Narsaiah**
Phone no/Alternate Phone no.	**919182065754**
Mobile no.	**9182065754**
Registered Email	**headiqac@kgr.ac.in**
Alternate Email	**headaccreditation@kgr.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://kgr.ac.in/storage/2021/12/AQAR-Report-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://kgr.ac.in/storage/2021/11/2019-2020 II III IV B.Tech Academic Calendar .Revised.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.74**	**2018**	**26-Sep-2018**	**25-Sep-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**03-Feb-2016**

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

Webinar on Quality audit process in academics	17-Jun-2020 1	261
AICTE Margdarshan FDP	07-May-2020 7	30
AICTE Margadarshan FDP on effective teaching and research methodologies	21-Dec-2020 7	20
Ideation Workshop	13-Feb-2020 1	98
Investor Awareness Program	20-Nov-2019 1	40
Workshop in IOT make space	24-Jun-2019 2	44
Two-day local Hackathon on IOT maker space	17-Jun-2019 2	44
[View File](#)		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2019 0	0
[View File](#)				

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 :	**9**
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	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

94 students participated in 1day ideation workshop on Block Chain Technology

A national webinar on "Quality audit process in academics is organized in which 261 faculty members are participated from the different parts India.

Two departments CSE and ECE submitted the SAR based on the various activities organized in association with Gokaraju Rangaraju Institute of Engineering and Technology (GRIET)

Conducted 2 workshops as a result of this student submitted their academic projects.

Organized 08 Certificate and 07 Value Added courses

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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
Ideation workshop	Different activities are conducted in Block Chain Club for the students of CSE and ECE Departments with association with Uptech idea labs as an implementation partner. 94 students participated in 1day ideation workshop on Block Chain Technology.
Quality Audit Process in Academics	To make awareness to faculty members regarding the quality audit, a national webinar is conducted on "Quality Audit Process in Academics". 261 faculty members were benefited across India.
AICTE Margadarshan FDP (Accreditation)	The institution has MOU with Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), as a part of AICTE Margdarshan Scheme various activities are conducted in quality enahncement in academics and administration. As a result, 2 programmes CSE and ECE submitted SAR to the NBA.
IOT make space	A workshop and Hackthon are conducted in IOT make space in association with Up tech idea labs as an implementation partner, as a result of this submitted students completed their academic projects.
Certificate and Value added courses	To make students better prepared to meet industry demands as well as develop their own interests and aptitudes. Organized 08 Certificate and 07 Value added courses.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	10-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	13-Jan-2020
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	12-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institution is using the onEdu college management system effectively which is developed by Winnou software solutions. The software is used for admissions, academics such as student attendance monitoring, class time table, lesson planner to create various kinds reports. Also, it is used for effective communication with the students and parents. The mentoring module is used to allot the mentors to mentee and to create the report on mentoring. In the human resource module is used for creating faculty profile. Through the CMS portal, the mid examination marks as well as the end semester examination marks are communicated to students and parents.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The KG Reddy College of Engineering and Technology has a structured curriculum delivery plan and every year prepares the academic calendar before starting the academic year Academic Calendar: The Institution prepares Institutional and Departmental academic calendar as per the university academic calendar.

1.Institutional: Academic and non-academic activities are incorporated in Institutional calendar. 2.Departmental: Each Department prepares academic calendar which includes all the departmental activities like seminars, workshops, guest lectures, alumni interaction, Industrial visits, Parent Teacher Meeting, Department Advisory Board (DAB) meetings, Skill development Programs, value added, and certificate courses. Handbook: To create the awareness about course objectives and outcomes of each course, a handbook is prepared and distributed to the students before the commencement of every semester. Course File: The faculty prepares a course file which contains course objectives, course outcomes (CO), syllabus, program outcomes (PO), CO-PO attainment, CO-PO mapping, lesson plan, assessment methods, notes, assignments and PPT / OHP. Induction Program for I year students: The institution conducts 12-day induction program so as to cater the requirements of the students and to overcome their network barriers, strengthen the relationship with the faculty, and provide hands on experience on live engineering projects. At the end of the program the students were expected to have an understanding on their 4 year engineering curriculum, develop an insight on their engineering discipline. Other topics in the induction program include mindfulness and yoga sessions, sessions by industry experts and alumni, and ice-breaking sessions with outdoor activities. Orientation Program: The orientation program is conducted for II-, III- and IV-year students to create awareness about the course structure of each semester and sessions on advanced technologies relevant to the subject. Students in III and IV years are encouraged to start exploring their future aspirations and are guided towards meetings their future goals. Orientation Program: The orientation program is conducted for II-, III- and IV-year students to create awareness about the course structure of each semester and sessions on advanced technologies relevant to the subject. Students in III and IV years are encouraged to start exploring their future aspirations and are guided towards meetings their future goals. Project Based Learning (PBL): Other than curriculum, the institute encourages the students to gain practical exposure towards the solving real time problems. All II-, III-, and IV-year students are asked to carry out one project-based assignment every semester which is aligned to the different courses taught in the semester. Students are provided with open-ended problem statements and asked to design and build a solution prototype to address the problem. Student Centric Learning Methods: Several innovative methods are adopted such as Think- Pair Share, Ice Breaking, Minute a Paper, Just a Minute, Group Discussion, Collaborative Learning Practice (CLP) to make classrooms more interactive and live. Tutorial and Remedial Classes: Apart from the university tutorial classes, additional tutorial hours are allotted for the difficult subjects in timetable and separate schedule is planned for remedial classes to improve student academic performance. Enterprise Resource Planning: Stumagz -The institute implements stumagz's to provide learning management

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Analysis And Design Of a Multi Storey Building Using Staad Pro	Nil	02/01/2020	11	Employability	Technical Skills
Design and Drawing of a	Nil	02/01/2020	11	Employability	Technical Skills

Multistorey Bhilding by Using AUTOCAD					
Analysis And Design Of a Multi Storey Building Using Staad Pro	Nil	21/10/2019	5	Employability	Technical Skills
Industrial Automation PLC and SCADA	Nil	23/09/2019	7	Employability	Technical Skills
CATIA V-5	Nil	17/08/2019	12	Employability	Technical Skills
Fundamentals of Python Programming	Nil	08/08/2019	20	Employability	Technical Skills
Advanced C Programming	Nil	20/07/2019	10	Employability	Technical Skills
OOPs through Java	Nil	07/08/2019	10	Employability	Technical Skills
Fundamentals of Microsoft Office	Nil	28/10/2019	5	Employability	Technical Skills

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Masters in Business Administration	05/09/2019
BTech	Computer Science Engineering	15/07/2019
BTech	Electronics & Communication Engineering	15/07/2019
BTech	Mechanical Engineering	15/07/2019
BTech	Electrical & Electronics Engineering	15/07/2019
BTech	Civil Engineering	15/07/2019
[View File](#)		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	15/07/2019

BTech	Electrical & Electronics Engineering	15/07/2019
BTech	Mechanical Engineering	15/07/2019
BTech	Electronics & Communication Engineering	15/07/2019
BTech	Computer Science Engineering	15/07/2019
BTech	Masters in Business Administration	05/09/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	663	Nil

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
Road Safety Aspects	17/07/2019	57
PCB Design and Fabrication	05/08/2019	40
Advanced C Programming	08/08/2019	82
Autocad	19/08/2019	48
Introduction to Machine learning using Python	10/11/2019	33
Fundamentals of Python Programming	19/08/2019	115
Soft Skills and Interview Skills	15/10/2019	48
[View File]()		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	21
BTech	Electrical & Electronics Engineering	26
BTech	Mechanical Engineering	36
BTech	Electronics & Communication Engineering	39
BTech	Computer Science Engineering	28
[View File]()		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Nill
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

The feedback is collected from various stake holders by different modes with an objective of taking the corrective action for the overall development of the institute. The feedback is collected through emails, parent meeting Alumni day meet, Regular semester feedback questionnaire from students through Google forms, etc. The inputs are taken in different domains like the teaching learning activity, up gradation of infrastructure, Research and development, services extended in the campus, industry-institute interactions etc. The feedback in teaching learning activity is taken online from all the students with the parameters mentioned as Presentation and Organization of Course Content, Course pedagogy, Assessment and evaluation, Student support. It is performed by considering related parameters like communication skills, subject knowledge, usage of teaching aids, punctuality etc. of the faculty and the data is analyzed by the department IQAC coordinator along with Head of each department and suggestions are given to the faculty members concerned with a view to improve the effectiveness of teaching methodology. Faculty members who receive poor feedback from the students are called for an explanation and are counselled to incorporate student feedback and improve their teaching practices. Heads are encouraged to recommend faculty to attend FDP, register in Massive Open Online Courses (MOOCs) such as Coursera and NPTEL courses to update their technical and educational competency and teach students effectively. Action taken report is prepared based on the feedback and shared with the faculty individually and submitted to IQAC. Students give feedback on course outcomes. The data would be analyzed with a view to improve the curriculum, additional infrastructure which is required to be added. The recommendations are sent to Departmental Advisory Board for discussion and subsequent prospective implementation in the teaching learning activity. The Alumni meet is conducted every year and their opinions are considered for the institutional development. Also, feedback on improvements and suggestions from parents will be collected through parent-teacher meetings. Similarly feedback collected from faculty members of the organisation on various facilities and resources available and need to be provided, accordingly facilities and resources are improved for effective teaching learning process the. The data so analysed shall be the basis for improvement of programme educational objectives and corrective measures are taken by the deliberating the relevant issues in PAC/DAB/BoS. The feedback in respect of the internship, projects and industrial visits are taken from the stake holders and is analyzed by Industry-Institute Interaction Cells, Training and Placement Cell. It is taken up to improve the various activities in effective way for the future endeavours.

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	B.TECH CIVIL ENGINEERING	60	60	13
BTech	B.TECH	60	60	12

	ELECTRICAL AND ELECTRONICS ENGINEERING			
BTech	B.TECH MECHANICAL ENGINEERING	60	60	5
BTech	B.TECH ELECTRONICS AND COMMUNICATION ENGINEERING	60	60	71
BTech	B.TECH COMPUTER SCIENCE AND ENGINEERING	120	120	118
MBA	MASTER OF BUSINESS ADMINISTRATION	60	60	29

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1188	68	99	6	2

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	Numberof smart classrooms	E-resources and techniques used
107	107	11	24	6	14

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)

Process for mentoring • Mentor meets mentee once every 2 weeks • Both of them sign on the attendance register • Mentor updates menthe's information on cms system • Quality assurance cell will regularly check the registers and also the cms system (random checks) • Mentor needs to update the HOD about issues during departmental meetings • QA cell provides mentoring report to Principal and HOD's once every 2 weeks What to mentor? • Academic performance o Students attendance o Learning in all courses, check if difficulty in any subject (and report the same in department meetings) o Project status o Preparation towards mid-exams, practical's and semester exams • Communication and Aptitude o Improvement in students communication skills o Progress in aptitude training done by placement department o Future plans (working towards a job or higher studies) - specially for 3rd year students • Co-curricular activities o Participation in technical clubs o Participation in technical and cultural tests • Extra-curricular activity o Participation in cultural clubs o Participation in sports • Additional/Personal issues o Mentor needs to build a rapport with their mentee's and have a good relation with them. o Mentee should be able to share personal issues with mentor and get them addressed accordingly.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1256	107	1:12

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
93	107	Nill	31	24

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	Nil	Nill	Nil
2020	Nil	Nill	Nil
[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
MBA	00	MBA I Semester Reg	29/01/2020	05/04/2020
BTech	03	IV B.Tech I Semester Reg/Sup	21/12/2019	10/02/2020
BTech	04 05	IV B.Tech I Semester Reg/Sup	19/12/2019	10/02/2020
BTech	01 02	IV B.Tech I Semester Reg/Sup	17/12/2019	10/02/2020
BTech	02 04	III B.Tech I Semester Reg/Sup	13/12/2019	15/02/2020
BTech	01, 03 05	III B.Tech I Semester Reg/Sup	11/12/2019	15/02/2020
BTech	03	II B.Tech I Semester Reg/Sup	14/12/2019	16/02/2020
BTech	01, 02, 04, 05	II B.Tech I Semester Reg/Sup	12/12/2019	16/02/2020

BTech	02 05	I B.Tech I Semester Reg/Sup	06/01/2020	04/03/2020
BTech	01, 03 04	I B.Tech I Semester Reg/Sup	04/01/2020	04/03/2020

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

KG Reddy College of Engineering and Technology follows guidelines of Jawaharlal Nehru Technological University, Hyderabad for internal evaluation and assessment procedure. For undergraduate programs, the institute conducts two mid-exams of 25 marks each, comprising ten marks for descriptive, ten marks for objective and five marks for assignment. The average marks of both examinations are considered as final mid-marks. End semester examination is for 75 marks which is conducted by the university. For the post-graduate program, the institute conducts two mid-exams of 25 marks each as per university norms, and the end semester examination is for 75 marks which are conducted by the university. After completion of the internal examination, the faculty evaluates the answer scripts and distribute to the students for doubt clarifications or re-correction. The faculty submits the re-corrected scripts to the examination branch and marks are displayed on the notice board and in CMS. Then the principal conducts a meeting with HODs to discuss the students performance and necessary action plan for further improvement. For laboratory evaluation for under graduate, the institute conducts two lab internals for 25 marks each. It is divided into ten marks for the written exam, and 15 marks are allotted for day-to-day performance in the laboratory. External lab-examination is conducted for 75 marks as per regulation. Reforms in the Evaluation process: 1. Awareness of evaluation and assessment system in orientation program. 2. Conducting tutorial classes to clarify doubts and re-explaining the critical topics. 3. Regular unit tests, Surprise test Quiz are conducted prior to mid examinations. 4. Regular conduct of group discussions, seminars and guest lectures. 5. Monitoring the improvement in slow learner and encouraging the fast learners by reviewing their performance. 6. Industrial visits are arranged for the students and students submit the visit report which is also evaluated. Faculty conducts unit-test/surprise-test, collaborative learning practices, project-based assignments, tutorial classes, remedial/extended classes, and study hours to evaluate students' performance to get better results. Additional Procedures of Evaluation and Guidelines for Faculty Faculty evaluates students growth by identifying assignment topics and creating question papers Self Study Report of mathematical problems, quizzes, presentations, team-work activities and solving previous year's question papers. The distribution of weight to the various components of assessment will be decided by the respective faculty and will be announced in the class within the first fortnight of the semester and shared with the head of the department. Students' performance is also evaluated based on the following parameters: communication skills, use of modern tools (NPTEL, M-Tutor, V-labs), critical thinking skills, problem-solving skills, ability to work in teams, and leadership qualities.

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

The Program Assessment Committee (PAC) consists of principal, controller of examinations and Heads of Departments (HODs). The PAC is responsible for preparing the academic calendar before the commencement of the semester. The academic calendar breaks down the academic year into two semesters. It provides the information of the courses for the semester, dates of commencement of class work, syllabus completion, examinations, list of holidays, and the total number

of working days. The faculty members of the concerned department gather the lists of courses for the coming semester, and the HOD finalizes the allocation of courses based on the faculty's choice and area of specialization. Faculty members then prepare the lesson plan before the commencement of semester, indicating the topics to be covered, teaching methodologies being applied, and assignments given to students and the number of lectures. A course file for each course is prepared by the faculty, which includes course objectives, outcomes, schedule, references, study material, and questions from previous examinations papers. Students will be provided with the course file in the first week of the semester to provide them awareness about the subject and plan for the semester. The evaluation process for each subject is duly reviewed by a senior faculty in the department, approved by the HOD, and then made available to the students. Timetable in-charge of each department prepares the timetable as per the guidelines given by the university and gets it approved by PAC. The time-table is then uploaded in CMS system and displayed on the respective department notice boards. The performance of the student is assessed on a continuous basis by conducting two mid-exams per semester based on the university norms. The average marks of both mid-terms are taken into consideration. In addition to the tests, assignments, mini-projects, and quizzes are also part of CIE. The evaluated answer scripts are shown to the students to clarify their doubts about the evaluation process. The academic schedule prescribed is strictly adhered by all departments. The college maintains a high standard through CIE and ensures end semester and practical examinations are conducted jointly by the concerned teacher and an external examiner appointed by the university. Schedule of the end-semester examinations and rules and regulations about evaluation of students under various courses are also included in the academic calendar.

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://kgr.ac.in/storage/2021/12/2019-20-PO-PSO-and-COS.pdf

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
01	BTech	B.TECH CIVIL ENGINEERING	57	38	66.67
02	BTech	B.TECH ELECTRICAL AND ELECTRONICS ENGINEERING	41	32	78.05
03	BTech	B.TECH MECHANICAL ENGINEERING	58	34	58.62
04	BTech	B.TECH ELECTRONICS AND COMMUNICATION ENGINEERING	33	24	72.73

05	BTech	B.TECH COMPUTER SCIENCE AND ENGINEERING	94	71	75.53
e0	MBA	MASTER OF BUSINESS ADMINISTRATION	37	8	21.62
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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://kgr.ac.in/storage/2021/12/student-satisfaction-survey-2019-20_0001.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	0	Nil	0	0
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Leadership talk by Abhishek suryawanshi	Institution's Innovation Council	07/04/2020
Talk by Padma Bhushan V. K. Saraswath, Anand Dashpanda	Institution's Innovation Council	13/04/2020
Leadership Talk By Madhuri	Institution's Innovation Council	02/05/2021
Leadership Talk_by DP Singh	Institution's Innovation Council	09/05/2020
Leadership Talk	Institution's Innovation Council	16/05/2020
Leadership Talk	Institution's Innovation Council	30/05/2020
Leadership Talk	Institution's Innovation Council	06/06/2020
Leadership Talk	Institution's Innovation Council	27/06/2020
India first leadership talk series(Episode 5)	Institution's Innovation Council	22/08/2019
Entrepreneurship and Innovation as Career	Institution's Innovation Council	17/09/2019

Opportunities		
Problem Solving Design Thinking	Institution's Innovation Council	21/09/2019
"Entrepreneur's and Innovators Life and Crossroad"	Institution's Innovation Council	29/10/2020
Start Improve Your Business by MSME	Institution's Innovation Council	23/12/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Researcher Award	Dr. Pavan kumar	IJIEMR	14/03/2020	Research Reviewer

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
KGRCET	Technology Business Incubation Centre	MSME	Nil	Nil	04/01/2020

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Nil	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	2	0
International	Electrical and Electronics Engineering	8	0
International	Mechanical Engineering	3	0
International	Electronics and Communications Engineering	12	0
International	Computer Science Engineering	16	0
International	Humanities and Science	10	0

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

Department	Number of Publication
Electronics and Communications Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nil	Nil	Nil	2019	0	0	Nill

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	2019	Nill	Nill	0

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	6	Nill	Nill
Presented papers	10	Nill	Nill	Nill

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Warm Donation	Kgrcet Nss Unit	25	100
Guest lecture on Wash Volunteerism	KGRCET NSS UNITS/JNTUH/MGNREC	2	50
NSS special camp at SajjanpallySurangal	KGRCET NSS UNITS/JNTUH	2	100
BhartiyaChatraSansad Parishad- Delhi	KGRCET NSS UNIT	Nill	5
SAARDHI event	KGRCET NSS UNIT	4	100
Dental camp by	KGRCET NSS UNITS/	15	100

Sri Balaji Dental hospital	BHASKARA MEDICAL COLLEGE		
Helping hands in COVID-19	Kgrcet Nss Unit/JNTUH	2	20
Workshop on Child abuse and sexual prevention	Kgrcet Nss Unit/JNTUH	2	21
Training of Trainers for NSS Program officers on peoples Biodiversity register	Kgrcet Nss Unit/JNTUH	2	Nill
International Yoga Day	KGRCET NSS UNIT/JNTUH	30	21
[View File](#)			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
"Good Unit – Good Service"	Certificate of Appreciation	Telangana Government	10
"Training Program on Rural Immersion"	Certificate of Appreciation	MGNCRE	1
"Green Institutional Mentor Award"	Certificate of Appreciation	MGNCRE	1
"UBA- Rural Immersion and Community Engagement"	certificate of participation	MGNCRE-Mahatma Gandhi National Council For Rural Education	1
"Capacity Building Participatory Training Programme for Nodal Officers of Participating Institutions of Unnat Bharat Abhiyan, Telangana"	certificate of participation	NIRDPR, Hyderabad	2
"Hosted the Prestigious State Level Programme on Telangana Ku Haritha Haram"	Certificate of Appreciation	JNTUH	20
One Student – One Tree	Certificate of Appreciation	AICTE	75
[View File](#)			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
AICTE	KGRCET NSS UNIT	Warm Donation	20	31
AICTE	KGRCET NSS UNITS/JNTUH/MGNREC	Guest lecture on Wash Volunteerism	2	Nill
AICTE	KGRCET NSS UNIT/JNTUH	NSS special camp at SajjanpallySurangal	2	21
AICTE	KGRCET NSS UNIT	BhartiyaChatraSansad Parishad- Delhi	2	20
AICTE	KGRCET NSS UNIT	SAARDHI event	15	100
AICTE	KGRCET NSS UNITS/ BHASKARA MEDICAL COLLEGE	Dental camp by Sri Balaji Dental hospital	4	100
AICTE	KGRCET NSS UNIT/JNTUH	Helping hands in COVID-19	Nill	5
AICTE	KGRCET NSS UNIT/JNTUH	Workshop on Child abuse and sexual prevention	2	100
AICTE	KGRCET NSS UNIT/JNTUH	Training of Trainers for NSS Program officers on peoples Biodiversity register	2	50
AICTE	KGRCET NSS UNIT/JNTUH	International Yoga Day	25	100
		[View File](#)		

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Internship	K Karthik	Self	15
Internship	K Raghudeep	Self	15
Internship	K Prudhvi Raj	Self	15
Internship	K Balachandar	Self	15
Internship	Ch Sai Ram	Self	15
Internship	K Vamshidhar	Self	15
Internship	P Shivani	Self	15
Internship	B Praful	Self	15
Internship	D Sai Yadav	Self	15

Internship	G Swathi	Self	15

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Construction Of Residential Building	Ramesh construction	26/06/2019	12/07/2019	K Karthik(student)
Internship	Construction Of Residential Building	Ramesh construction	26/06/2019	12/07/2019	K Raghudeep
Internship	Construction Of Residential Building	Ramesh construction	26/06/2019	12/07/2019	K Prudhvi Raj
Internship	Rnn Annexe Building	South Central Railway	27/06/2019	09/07/2019	K Balachandar
Internship	Design Of Column	V Raju Civil Contractor	26/06/2019	12/07/2019	Ch Sai Ram
Internship	Design Of Footing	V Raju Civil Contractor	26/06/2019	12/07/2019	K Vamshidhar
Internship	Residential building	Sri Vinayaka Con structions	27/06/2019	11/07/2019	P Shivani
Internship	Design Of Footing	V Raju Civil Contractor	27/06/2019	11/07/2019	B Praful
Internship	Design Of Footing	V Raju Civil Contractor	27/06/2019	11/07/2019	D Sai Yadav
Internship	Construction Of Indoor Games Facility Centre	GHMC	11/06/2019	12/07/2019	G Swathi

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
KVR Infra Rail (P) Ltd.	20/05/2019	Research and devlopment activity,industrail training,project work	Nill
Recon Industries	30/05/2019	Research and devlopment activity,industrail training,project work	Nill
Classic Reflective Pavers	30/05/2019	Research and devlopment activity,industrail training,project work	Nill
WindStream Technologies	02/05/2018	Testing Services, Industrial Visit, Internship	80
VEGA Solar Energy Pvt. Ltd	13/06/2018	Testing Services, Industrial Visit, InternshipTesting Services, Industrial Visit, Internship	62
Akshaya Solar Power (India) Pvt. Ltd	28/11/2018	Testing Services, Industrial Visit, Internship	64
Enrun India Pvt.Ltd	03/10/2019	Testing Services, Industrial Visit, Internship,Workshops	84
Enrun India Pvt.Ltd	07/09/2019	Testing Services, Industrial Visit, Internship,Workshops	84
Hyderabad Institute of Electrical Engineers(HIEE)	24/12/2019	Testing Services, Industrial Visit, Internship,Workshops	82
Salzgitter Lifts Pvt. Ltd.	20/05/2019	Testing Services, Industrial Visit, Internship,Workshops	Nill

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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

62.89	628.88

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
[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
NewGen Lib	Fully	3.1.3	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	549	106704	67	6979	616	113683
Reference Books	69	6704	22	3279	91	9983
e-Books	1059	Nill	532	Nill	1591	Nill
Journals	60	97395	60	113360	120	210755
e-Journals	163	13570	113	13570	276	27140
CD & Video	2475	Nill	Nill	Nill	2475	Nill
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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
G Mounika Naidu	Fluid Mechanics	You tube	02/08/2019

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	468	10	1	1	1	1	6	100	0
Added	0	0	0	0	0	0	0	0	0
Total	468	10	1	1	1	1	6	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video Recording	https://www.youtube.com/channel/UC4PClFw-UgnbW9_qhurN0nQ

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 incurredon maintenance of physical facilites
56.26	120.58	153.6	121.17

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

he institute has appointed personal to look after the management of infrastructure to maintain physical and academic facilities. Laboratory All the departments prepare and submit their annual budget to maintain the existing facilities in laboratories. The annual budget is periodically approved by the board of governors, channeled through the Principal. Funds are allotted to ensure optimum utilization and the maintenance of lab equipment. IQAC members will check the working condition of the equipment at the end of each academic year and report to the principal on the deficiencies found in the labs. Library The institution has a library committee. It follow up and monitor with the librarian and ensure to procure all text books, reference books, articles, competitive examination books, magazines, journals, e-magazines, e-books and e-journals. The committee monitors other resources such as NDL, SWAYAM and NPTEL. Sports Room The institution has a sports committee which regularly monitors the various facilities by providing equipment for indoor, outdoor sports and games. The institution has a well-maintained infrastructure for sports and games like cricket, basketball, volleyball, throw ball, badminton, chess, caroms, table tennis to cater the needs of faculty and students. Computer Systems The institution provides UPS to all computer systems, servers, projectors, printers, scanners, Xerox machines, bio-metric devices to avoid any damage during power outages. Classrooms The institution has a maintenance supervisor

who regularly maintains the class room boards, benches, fans and lights. Transportation The institution has nominated transport in-charge who is looking after the maintenance of vehicles and also allotting the routes considering the number of students and faculty travelling from various locations to ensure safe and comfortable travel. The transport in-charge is responsible to maintain vehicles and obtains necessary clearance certificates, insurance, and permits from the RTA. Electrical The institution has installed a 62.5 KVA transformer, 125 KVA generator and UPS with 30KVA, 15KVA, 10KVA, 7.5KVA, 3KVA. It also has a diesel generator, batteries for backup and proper earth connection to ensure safe power source. The UPS batteries are checked once in a month to verify the acid and current levels. The diesel generator gets serviced twice a year for effective functioning.

https://kgr.ac.in/sops/

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	Financial Assistance to students	282	3428450
Financial Support from Other Sources			
a) National	Government of telangana student fees reimbursement scheme	714	13648000
b)International	Nil	Nill	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
Personal Counselling	15/07/2019	1256	KG Reddy College of Engineering and Technology
Yoga, Meditation	21/06/2020	270	KG Reddy College of Engineering and Technology
Bridge courses	15/07/2019	1597	KG Reddy College of Engineering and Technology
Language lab	15/07/2019	528	KG Reddy College of Engineering and Technology
Remedial coaching	14/12/2019	760	KG Reddy College of Engineering and Technology
Soft skill development	24/07/2019	863	Packet Prep

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 passedin the comp. exam	Number of studentsp placed
2019	GATE Coaching	47	863	1	155

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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Byjus	74	1	Nill	Nill	Nill

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
2020	1	KG Reddy College of Engineering and Technology	Civil Engineering	Sheffield Hallam University	MS
2020	1	KG Reddy College of Engineering and Technology	Civil Engineering	University of Essex	MS
2020	1	KG Reddy College of Engineering and Technology	Computer science and Engineering	GITAM University	M.Tech
2020	1	KG Reddy College of Engineering and	Electronics and Communication	Vidya Jyothi Institute of Technology	M.Tech

	Technology	Engineeing		
		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
GRE	1
View File	

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

Activity	Level	Number of Participants
Spell bee	Institutional Level	8
Speak up	Institutional Level	5
Picture interpretation	Institutional Level	5
Cross word	Institutional Level	10
In sync	Institutional Level	13
Voiz	Institutional Level	6
Rap battle	Institutional Level	3
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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
2019	Winners	National	1	Nill	17QM1A0449	Vishwanath
2019	Winners	National	Nill	Nill	17QM1A0427	Mandapaka Dilip
2019	Winners	National	Nill	Nill	17QM1A0439	Gangapuri Shiva Kumar
2019	Winners	National	Nill	Nill	17QM1A0430	Mohammed Zubair Khan
2019	Winners	National	Nill	Nill	17QM1A0434	Ramavath Rakesh Naik
Nill	Nill	Nill	Nill	Nill	17QM1A0443	T SaiCharan
			View File			

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

The institute has an active student council with good number of representation of students in different roles. The class representatives (CR's) of each class

serve as the members of the student council. The CR's are asked to elect students to the different roles in the student council which include President, Vice- President, Secretary/Treasurer, Technical Secretaries, Cultural Secretaries, Sports Secretaries, Placement Secretaries, and Social Impact secretaries. Students are encouraged to nominate themselves to the different roles in the student council and an election is carried for all the positions. The leadership of the student council is usually comprised of 3rd year students. The student council plays a vital role in departmental activities under the guidance of faculty members. The students participates in various events like technical, cultural and sports fest, all traditional festivals, and college annual days, Independence and Republic days. Student council also involves actively in all the activities organized by various clubs of student welfare department. The student welfare department is comprised of faculty who support the student council in the conduction of various activities. Academic and Administrative bodies: The students are nominated to various academic and administrative committees with an objective of effective participation for its successful completion with excellence and also gain momentum in executive skills. The following are the committees constituted every year: Grievance and Redressal committee: • Disciplinary Committee • IQAC • R D Committee • Library Committee • Anti-Ragging Committee • Training Placements Cell • Institute Industry Interaction Committee • Entrepreneur Development Cell • Transport Committee • Alumni Committee • Cultural Committee • Sports and Games Committee • NSS committee • Women cell • Prevention of Sexual Harassment Cell Reservation committee (OBC, SC/ST)

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute firmly believes in connecting with old students through alumni association. The alumni association was formed in the year 2016 and registered in the year 2017 with the title of "KGRCET Alumni Association" and the registration number 1843 of 2017. The alumni meet is conducted regularly to share their views for the development of the institute. It is generously hosted by the management and such meetings are beneficial for the institute and alumni. The institute takes pride in many alumni who are currently holding good positions in various multinational companies like Cognizant, ADP, Genpact, BYJU'S, TCS, Accenture etc., and some of the alumni are successful entrepreneurs. To support the institutional alumni association, various departmental alumni associations are formed through which it involves for strengthening the departmental activities. Contribution of Alumni (Non-Financial): The alumni sharing of their knowledge and experience through participation in the following activities: • Guest lectures, • Seminars, • Workshops, • Seminars, • IQAC, • Placements, • Industrial Visit and • Curriculum Enrichment

5.4.2 – No. of enrolled Alumni:

61

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

5

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)

The institution adopts decentralization mechanism in many activities by way of participating by all levels of academic and administrative machinery for successful completion of a task. ? Planning and implementation of curriculum delivery. ? Submission of research proposals for a project to funding agencies. ? Implementation of academic and administrative plans through various committees. ? Conduct of training and campus drive for placements. ? Planning and execution of technical, cultural and sports activities ? Planning and execution of institutional best practices. ? Preparation of self study report for Accreditation process. ? Organizing Faculty Development Programs, National, and International Conferences. ? Contributing academic and research inferences to fulfil the needs of the local community. The institution constantly implements in entrusting the activities through practices of decentralization and effective participative management. The top management governed by governing body delegate's responsibilities to various committees headed by the principal. The institution strategically formulates predetermined standard operating procedures and entrusts the implementation through departments. The department head distributes the day-to-day activities to faculty coordinators and the same is monitored. Students are involved in decision making process through various committees and council. Case study on submission of research proposals for a project to funding agencies The IQAC in the academic year 2017-2018 has pointed out the need to submit research proposals to funding agencies in order to generate funds to carry out research activities in the institution. Based on the IQAC request, the governing body has instructed the institution to form a research board who could serve as mentors and guide the RD cell at KGRCET to draft and submit good quality research papers. Based on the recommendations of the research board, the RD cell had formed groups of faculty who have or are pursuing PhDs and are interested to carry out research activities depending on their area of interest. The RD cell then organized workshops for the different groups on how to write effective research proposals and provided an awareness session of the various funding agencies available in the country. Each of the groups were then asked to identify suitable funding agencies and draft good quality research proposals for submissions. The proposals that were completed by the groups were reviewed by members of the research board to provide feedback. After incorporation of the feedback, faculty went ahead and submitted research proposals to the appropriate funding agencies. In the last two years, the institution has submitted 6 research proposals to funding agencies like DSIR, SERC, BIRAC and SERB

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
Teaching and Learning	Teaching Learning: KGRCET was established with a vision to provide quality technical education to students in rural areas and the institution in alignment with its vision admits a majority of students who are first generation college students from the reserved categories such OBC's, SC's, and ST's. KGRCET has taken up many initiatives to support students who not

	do have a good academic background. During the first few weeks of being admitted to the institution, the faculty assesses the learning levels of the freshmen students to identify the slow and advance learners. After the identification of the slow and fast learners, various strategies are adopted for different set of students to enrich their academic experience in the institution. KGRCET has established a Center for Engineering Education Development (CEED) that focusses on encouraging and supporting faculty to implement student-centric teaching and learning methodologies in the classroom. Various evidence-based pedagogical tools are implemented in the classroom that are aimed to help students achieve the intended learning outcomes of the respective courses. All the faculty in the institution actively utilize ICT tools for their respective courses. The institution has purchased the license for StumagZ which is a learning management system that is used to facilitate student-teacher communication outside of the classroom.
Examination and Evaluation	Being an affiliated college, KGRCET follows the guidelines of JNTUH for the internal and external evaluation of students. All the internal evaluations are conducted transparently and any issues pertaining to examination related grievances are immediately addressed through well-structured mechanisms. All the evaluation results are displayed on the notice board, college website, and learning management system which could also be accessed by the parents. The institution has been following an outcome-based education system to ensure and measure the attainment of program outcomes of all graduating students. All the graduate Program Outcomes (POs) and Program Specific Outcomes (PSOs) are communicated to students through display board in their respective departments and through the college website and the course files to provide students an understanding of how the attainment of COs in a specific course help in the attainment of POs.
Research and Development	Research laboratories were established under the supervision of RD cell to conduct the research by faculty

	and students in different disciplines. One period is allotted exclusively for research and the library period is utilized to access research papers in their respective area every week. The institution supports the faculty members to do research by awarding special incentives in the form of cash and special/sabbatical leave. The faculty members and students of the institute were published research paper in various national and international peer reviewed, Scopus, SCI Indexed and UGC recognized journals. Research Advisory Board is constituted with eight expert members from different reputed university and industry to advice policy guide lines and provide directions for the growth and development of research activities in the institute. The institution signed MoUs with reputed industries to partner in research projects by different departments for development of products in the field of Machining, Welding, Power System (Deregulation), ADC Design and Testing. The institution is rendering consultancy services to industry. The institution R D cell has submitted application for approval of Business Incubator under the scheme namely, "Support for Entrepreneurial and Managerial Development of SMEs through Incubators" to MSME. The Business Incubator provides opportunity to the faculty and students in developing and nurturing their new innovative ideas to the product level and then towards market for commercialization. The institute has also submitted application for Memorandum of Understanding (MoU) with MSME TOOL ROOM (CITD), Hyderabad to promote Skill Development, Research Development, Internships, Implant Training, projects, Entrepreneurship Development, Innovation. The R D cell motivate the faculty members for acquiring patents from various organizations
Library, ICT and Physical Infrastructure / Instrumentation	KGRCET has available state-of-art infrastructure for faculty and students to ensure the development of new age engineers graduating from the institution. The institution is located in an eco-friendly campus with sufficient number of ICT enabled classrooms, laboratories, and seminar

	halls. Adequate infrastructure of indoor and outdoor sports are made available for students along with the necessary equipment's. An amphi-theatre is available in the institution for students to organize various cultural activities throughout the academic year. The institution has available a two floor library which hosts a wide variety of books written by national and international authors. The library utilizes a Library Management System (LMS) to automate the process of issuing books and journals to faculty and students. The second floor of the library has available a digital section for students to access e-books and rare book, online journals etc. through the available computers. The institution has a Wi-fi facility available with a bandwidth of 60 MBPS and a 1:3 student to computer ratio. The institution is equipped with UPS and generator backup to any discrepancies in power supply. Students and faculty have access to in-house cafeteria that serves wide variety of food through the college working hours and a stationary to purchase necessary resources.
Human Resource Management	A wide range of HR policies have been implemented to improve the retainment of faculty in the institution. KGRCET has established distributed the progress of a faculty into three categories: Assistant Professor, Associate Professor, and Professor. A faculty in each of these three categories are designated into the following hierarchical levels – junior scale, regular, and senior scale. All faculty depending on their years of teaching experience, PhD status, and service provided to the institution as designated to a specific role accordingly. Figure 1 provides a summary of the different roles. Through this new 3-level structure, young and motivated faculty are provided with a clear road map on how to get promoted through the organization ladder. The new HR policies have also initiated a range of retention incentives for faculty who are committed to the institution. Based on the years of completion in the institution, faculty are provided with cash and non-cash incentives as an appreciation for their loyalty towards achieving the mission

	and vision of the institution. The range of incentives are communicated to the faculty prior to the end of each academic year to motivate them to continue their association with the institution
Curriculum Development	KGRCET is a privately run engineering college affiliated to the Jawaharlal Nehru Technological University Hyderabad (JNTUH). KGRCET as being an affiliated college adheres to the curriculum prescribed by JNTUH for all of the programs. The institution ensures effective curriculum delivery through a well-planned and documented process. All faculty are requested to prepare course files that would be provided to students on the day of the commencement of the semester. The course files lists the course outcomes, syllabus, detailed schedule of the topics to be covered in the classroom, recommended references for the course, schedule of all formative and summative assessments to be conducted, and other relevant resources that would be required by students to succeed in the respective courses. Prior to the start of every semester, each department prepares academic calendars for the upcoming semester. The academic calendar lists all the departmental activities being conducted in the semester which include seminars, guest lectures, workshops, industrial visits, and other value added and certificate courses.KGRCET has introduced a number of certificate courses for students to bridge the industry-academia gap and to encourage skill development among student. The diploma and certificate are introduced on recommendation by senior faculty in the institution who also serve as members of BoS and Academic Council in various Autonomous colleges or universities. Apart from the certificate and diploma courses, the institution regularly introduces new courses in the curriculum as required by the JNTUH curriculum. Courses on cross-cutting issues such as gender sensitization, environmental issues, disaster management, human value, and professional ethics are included in the curriculum to sensitize students on these topics. All students are encouraged and provided support by the Training and Placement (TP)

	department to undertake internships or field projects in industries relevant to their program of student. Structured feedback mechanism is implemented in KGRCET to collect and analyze feedback from students, teaching and non-teaching staff, alumni, and parents. All the feedback collected is analyzed and the action taken reports are prepared to be approved by the governing body.
Industry Interaction / Collaboration	To improve the industry-academia linkage, KGRCET has established the Institute Industry Interaction Cell (IIIC). Through IIIC, the institute has signed multiple MoU's with industries who are aligned with the core domains of the different programs being offered in the institution. The industries which have signed MoUs have agreed to provide students with internships, opportunities for industrial visits, and visit the institution for placement drives and recruit students. The industries as part of the MoUs have also agreed to conduct training programs for 4th year students prior to graduation. As part of the MoUs, different groups of faculties (one PhD and one non-PhD) have been visiting the institution to explore the possibility of consultancy or research projects that could be carried out in the institution. The institution has collaborated with seven industries to initiate research projects that would result in the development of products in the field of Machining, Welding, Power System (Deregulation), ADC Design and Testing etc. In the last two years, the faculty in association with the industries have submitted four research proposals to AICTE and other funding agencies.
Admission of Students	For Undergraduate Courses (B.Tech.) • A Category: 70 of seats are filled by Telangana State Council for Higher Education through a State Level Common Entrance Test (EAMCET) under "A" Category • B Category: 30 of the seats admitted by the management For Post Graduate Course (MBA): • 70 of seats are filled by Telangana State Council for Higher Education through a state level Common Entrance Test (ICET) • 30 by the management under "B" Category Quality and Merit in the Admission of

	Students The admission process in the institution is carried out in alignment with norms mandated by the JNTU Hyderabad. Students are admitted in the institution through counselling carried out by the Telangana State Council of Higher Education and through management quota. The admission team actively promotes students from other states to take admission in the institution by highlighting the infrastructure and hostel facilities being provided. KGRCET was established with a vision to provide quality technical education to students in rural areas and the institution in alignment with its vision admits a majority of students who are first generation college students from the reserved categories such OBC's, SC's, and ST's.

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

E-governace area	Details
Planning and Development	onEdu (Winnou Systems Services Pvt. Ltd., 5-10-188/1, Hill Fort Road, Adarsh Nagar, Hyd, India-500004, ph 9177001105), IONCUDOS(Abhinaya Angadi, Sr. Product Engineer, Ionidea enterprise Solutions Pvt. Ltd Ph.9000633008), 3-Pixel Technologies #4-4-711, ground floor, sri sai nivas, k.s.bagh, hyderabad. ph: 9393379955, Easy2Learn (Easy2Learn Tech Solutions, Thotakura Achaiah Complex, 5th Floor SBI Bank Building, Boduppal Road, Uppal, Hyderabad. 500039) Ph: 8247815671 StumagZ (Right Process Infotech PVT Ltd. Plot No: 42 Chaitanya Nagar, Bheeram Guda, Karmanghat. TS-500059. Ph: 8106922552
Administration	onEdu (Winnou Systems Services Pvt. Ltd., 5-10-188/1, Hill Fort Road, Adarsh Nagar, Hyd, India-500004, ph 9177001105) StumagZ (Right Process Infotech PVT Ltd. Plot No: 42 Chaitanya Nagar, Bheeram Guda, Karmanghat. TS-500059. Ph: 8106922552
Finance and Accounts	onEdu (Winnou Systems Services Pvt. Ltd., 5-10-188/1, Hill Fort Road, Adarsh Nagar, Hyd, India-500004), Talley 9 StumagZ (Right Process Infotech PVT Ltd. Plot No: 42 Chaitanya Nagar, Bheeram Guda, Karmanghat. TS-500059. Ph: 8106922552
Student Admission and Support	onEdu (winnou.com), Mobile Tutor Pvt. Ltd.,No: 12,AH Block, 3rd Street, Anna

	Nagar, Chennai-600040 M-Tutor PVT Ltd. No.12 AH Block 3-Street, Anna Nagar, Chennai-600040 StumagZ (Right Process Infotech PVT Ltd. Plot No: 42 Chaitanya Nagar, Bheeram Guda, Karmanghat. TS-500059. Ph: 8106922552
Examination	onEdu(winnou.com), IONCUDOS(Abhinaya Angadi, Sr. Product Engineer, Ionidea enterprise Solutions Pvt. Ltd.) StumagZ (Right Process Infotech PVT Ltd. Plot No: 42 Chaitanya Nagar, Bheeram Guda, Karmanghat. TS-500059. Ph: 8106922552

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	Mrs. R Himasagarika	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Mrs. A. Deepika	Regional Researcb Symposium on PBL-2019	KLE Tech, Hubbali	2500
2019	Ms. Poonam Swami	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Dr. Chandraprakash	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Dr. Rohit Kandakatla	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Mrs. Ragam Indraja Yadav	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000

2019	Mr. Khamruddin Syed	Regional Researcb Symposium on PBL-2019	KLE Tech, Hubbali	2500
2019	Ms. G. Mounika	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Mr. Khamruddin Syed	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
2019	Ms. M. Devi Pravallika	International Conference on Transformation in Engineering Education(ICTIEE-2020)	Anurag Group of Institutions, Hyderabad	3000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Focus on learners	Nill	06/03/2020	06/03/2020	5	Nill
2019	One week workshop on Technology Enhanced learning through TPACK	Nill	14/12/2019	21/12/2019	16	Nill
2019	Focus on Pedagogy – II	Nill	15/11/2019	15/11/2019	6	Nill
2019	Focus on Pedagogy – I	Nill	18/10/2019	18/10/2019	6	Nill
2019	Focus on Assessment – II	Nill	27/09/2019	27/09/2019	5	Nill
2019	Focus on assessment	Nill	13/09/2019	13/09/2019	7	Nill

2019	Focus on learners	Nill	30/08/2019	30/08/2019	6	Nill
2019	Focus on content backward design and curricular priorities	Nill	16/08/2019	16/08/2019	5	Nill
2019	Nill	Awareness on canteen maintenance and food safety	13/09/2019	13/09/2019	Nill	6
2019	Nill	Orientation on lab maintenance	16/08/2019	16/08/2019	Nill	13

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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
Fdp On Foundation Engineering	1	03/02/2020	07/02/2020	5
FDP on OutCome based Education	1	02/12/2019	07/12/2019	7
FDP on Innovative technologies in civil engineering	5	01/06/2020	05/06/2020	6
AICTE Margadarshan FDP on Art of writing papers and research methodologies	4	07/05/2020	13/05/2020	7
One-week certification program on metro rail technology	1	08/04/2020	14/04/2020	7
STTP on Indo china research webinar series on civil and	1	08/05/2020	19/05/2020	12

environmental Engineering				
FDP on Online Teaching learning Process using ICT Tools for Education 4.0	2	08/06/2020	13/06/2020	6
FDP On Effective Proposal Writing for Research And Funding	1	13/05/2020	18/05/2020	6
FDP On Technologies for infrastructure planning, Design, Monitoring and management	2	16/06/2020	20/06/2020	5
FDP On Advanced technologies in civil engineering	1	18/06/2020	20/06/2020	2

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
107	107	78	78

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
The institute has more focus on welfare measures for teaching and non-teaching staff to encourage them to motivate for productive work so as to accomplish the academic goals. The institute has effective welfare measures for the benefit of its staff. Welfare measures for teaching staff: ? Encouragement for higher studies through by providing financial assistance ? Provides partial financial	Welfare measures for non-teaching staff: ? Institute has associated with ESIC-'Chinta se Mukti' scheme, under this institute has registered with 'Scheme for Promoting Registration of Employers and Employees' (SPREE) with ESICorporation. ? Institute provides free transport facility ? Institute provides maternity leave to the female staff as per the norms ? Institute provides Mediclaim for	Welfare measures for Students: To encourage poor meritorious students, financial assistance is provided by the institute for successful completion of their graduation. The institute has a culture to fulfill the social responsibility by way of providing concessions in tuition and other fees to the poor meritorious students. The institute supports to those students to achieve their dreams with this

| assistance for membership in professional bodies ? Provides partial financial assistance to attend workshops, FDPs, STTP, Orientation/ Refresher programs, seminars and conferences ? Support the employees to attend the corporate training programs ? Institute provides free transport facility ? Institute provides maternity leave to the female staff as per the norms ? Institute provides Mediclaim for the faculty who has completed their service three years in the college ? Institute provides laptops as an incentive to the HODs and faculty members who have completed six years in the institution. ? Institute provides concession in tuition fee, transport fee for the children/relatives of staff | the staff who has completed their service three years in the college | practice. Financial assistance is provided to the students based on the following parameters. The annual income of the family is taken into consideration to provide a scholarship to the Merit Students at the time admission. The scholarship is renewed based on their academic performances. A student from a rural/urban background, preferably nearby villages. Achievements -Sports/ Social activities. Divyangjan |

6.4 – Financial Management and Resource Mobilization

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

The institute has a system of internal and external audit. Internal audit may evaluate on improve the effectiveness of risk management and governance processes in the institutions. On the other hand an external audit is carried out by independent auditor in accordance with the law Internal financial audit: Internal audit helps to follow an effective approach to evaluate and enhance the effectiveness of financial transactions. A thorough investigation and verification of all transactions carried out in each financial year. Based upon observations given by the internal auditor, action will be initiated. A copy of internal audit report is preserved. External financial audit: The external audit conducts by a statutory financial audit by the external audit agency who is qualified chartered accountant recognized by Institute of Chartered Accountant of India. The external audit verifies the income and expenditure details of the college and submits the report. The external audit report kept open for reference to stakeholders

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
Nil	0	0
[View File](#)		

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	NAAC	Yes	IQAC
Administrative	Yes	NAAC	Yes	IQAC

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

1. How department involves the students for their overall growth 2. Performance of student 3.Behavior on campus 4. Dept. of ECE applying for NBA

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

1. Awareness on canteen maintenance and food safety 2. Orientation on lab maintenance 3. Awareness on importance of health and hygiene

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

? Formation of Admission Team to improve quality of freshmen students ? Conduction of 3-week Orientation program and Bridge courses for Freshmen Students ? Implementation of HR Policies to Improve Retainment of Faculty

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	No

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
2020	Webinar on "Quality audit process in academics"	17/06/2020	17/06/2020	17/06/2020	261
2020	AICTE Margadarshan FDP	07/05/2020	07/05/2020	13/05/2020	15
2020	AICTE Margadarshan FDP on effective teaching and research met hodologies	27/04/2020	27/04/2020	02/05/2020	20
2020	Ideation Workshop	13/02/2020	13/02/2020	Nill	94
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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
Jam on Gender equity, equality and environmental issues	21/08/2019	21/08/2019	10	26
Group discussions on gender equity	17/09/2019	17/09/2019	14	11
Be Bold for a change - IV	25/10/2019	25/10/2019	61	Nill
Essay writing on gender equity	25/10/2019	25/10/2019	10	6
Essay writing on gender equity	15/11/2019	15/11/2019	5	8
Jam on Gender equity, equality and enviromental issues	24/12/2019	24/12/2019	14	14
Awareness on gender equity and its importance	06/01/2020	06/01/2020	56	94
short film on gender equity	06/01/2020	06/01/2020	56	94
womens day	07/03/2020	07/03/2020	27	Nill

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
64KWH

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill

Scribes for examination	Yes	Nill
Special skill development for differently abled students	Yes	Nill

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	Nill	1	16/11/2019	1	Reconstructed a government school near Suchitra circle and provided them with projectors and sports equipment.	Reconstructed a government school near Suchitra circle and provided them with projectors and sports equipment.	40
2019	Nill	1	18/11/2019	1	Distributed walking sticks in a village near Chevella	Distributed walking sticks in a village near Chevella	40
2019	Nill	1	18/11/2019	1	Provided sports equipment for a government school near Chevella.	Provided sports equipment for a government school near Chevella.	40
2019	Nill	1	29/07/2019	1	Water conservation activities	Water conservation awareness and tips to rural residents	15
2019	Nill	1	26/08/2019	4	NIRD camp	NIRD camp	3
2019	Nill	1	17/09/2	1	Tree pl	Tree pl	60

			019		antation at Murthu zaguda	antation	
2019	Nill	1	17/09/2 019	1	Swachh Pakhwada at Himayat nagar	Cleaning Himayat nagar area	60
2019	Nill	1	02/10/2 019	1	Plastic Free Campaign at Sriram nagar	Plastic Free Campaign awareness and cleaning	50
2019	Nill	1	03/10/2 019	1	Plastic Free Campaign at Sajjan pally	Plastic Free Campaign awareness and cleaning	50
2020	1	Nill	15/02/2 020	1	Rural Immersion Training	Rural Immersion Training	1

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct	14/02/2012	All Teaching and non teaching staff are made to be aware of these rules at the time of joining, and they are also displayed on institutional website
Handbooks	14/02/2012	The students of various year are give handbooks In which the code of conduct of students are displayed and also on website
IT Admin Policies	17/10/2017	The teaching and non teaching staff are made to be aware of these RD rules and regulations
SOP	14/02/2012	The SOPs are made availale in each department and are strictly followed by all departments staff
R D Handbook	17/10/2017	The teaching staff are made to be aware of these RD rules and regulations

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nil	Nil	Nil	Nil

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

1. Plastic-free campus: The institute insists minimal usage of plastic covers and cups. Usage of steel plates/leaf plates, steel cups,and minimal paper cups is encouraged in the canteen. 2. minimal usage of Paper The institute has taken measures to make minimal usage of paper in office. The institute provides learning management and campus management systems for implementation of academic and administrative activities to make minimal usage of paper. TheWi Fi enabled campus made much easier for paper less activities and official communication are sent through E-mail and Whatsapp so as to reduce the usage of paper. 3. Green landscaping with trees and plants: Tree plantation and maintenance is the major practice of the institute to maintain the pristine, purity and aesthetic beauty of the institute to provide a congenial atmosphere for academic and non-academic pursuits. Wide range of plants and trees are grown in and around the campus are nurtured by gardeners.Organic vegetation, fruits and flowers are grown in the campus to promote healthy living. 4. Sewerage Treatment Plant (STP) Liquid waste from kitchens, toilets and laboratories sent into Sewerage Treatment Plant (STP) and recycled, the same is used for watering plants and flushing of toilets. Lawns are maintained with water drips and sprinklers to reduce water wastage less consumption of electricity for regular watering. The campus landscape protects the rain water into the ground through channelized pipelines. The instruction conducts save water campaigns to educate the students regarding rain water harvesting 5. Rain water harvesting The institute maintains adequate rainwater harvesting (RWH) structure which caters the needs by preventing the wastage of water. Rain water collected from roof of the building blocks, paved streets, parking lots, sidewalks is sent to storage tank.The water from storage tank is used for gardening, flushing of toilets, floor cleaning and other external uses. After the tank is full, the overflow water is sent to recharge pit which improves ground water level. RWH system provides sources of water and reduces dependence on the wells and other sources which is cost effective. The water from storage tank is used for gardening, flushing of toilets, floor cleaning and other external uses. To prevent the wastage of water, recycling plant is established, which recycles the water collected from toilets and kitchens. The recycled water is used to water the plants and garden. Institution also implements drip system for watering the plantation to avoid the wastage of water. All the lawns are equipped with sprinkler system to reduce water wastage less consumption of electricity for regular watering.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

INSTITUTIONAL BEST PRACTICES Best Practice-1: Title of the Practice: Institute Innovation Council (IIC) Objective of the practice: • To promote innovation in the institution through multitudinous modes leading to an innovation promotion eco-system in the campus. The Context: The institute established Institute Innovation Council (IIC) in association with MHRD Government of India. The main intention of IIC is to create a vibrant local innovation ecosystem along with start-up supporting mechanism. The institute submitted application to MSME for establishment of incubation center to promote ecosystem for scouting ideas. It leads to development of cognitive ability for technology among students. The Practice: The institute facilitates to conduct India First Leadership Talk Series organized by MHRD Innovation Cell (MIC), as one of the members of Institute Innovation Council. The faculty members and students participate in

all talk series of live sessions. The institution IIC organized workshop on intellectual property rights for faculty members and students to create awareness on importance, regulations, benefits and procedure to file a patent. The institution IIC conducted an event of project expo to share innovative thoughts of students through their projects which provides technical solutions to cater to the need of the societal problems. Evidence of Success: India first leadership talk series helped the students in acquiring leadership and decision making skills and technological innovations which leads to acquiring better placements. With this initiative faculty members filed patents. Problems Encountered and Resources required: The institution has adequate facilities equipped with ICT tools, therefore the problems are not encountered in the process of organizing various activities of IIC. Best Practice-2: Title of the Practice: Financial Support to Poor Meritorious Students Objective: To encourage poor meritorious students, financial assistance is provided by the institute for successful completion of their graduation. The context: The institute has a culture to fulfill the social responsibility by way of providing concessions in tuition and other fees to the poor meritorious students. The institute supports to those students to achieve their dreams with this practice. The Practice: Financial assistance is provided to the students based on the following parameters. • The annual income of the family is taken into consideration to provide a scholarship to the meritStudents at the time admission. • The scholarship is renewed based on their academic performances. • A student from a rural/urban background, preferably nearby villages. • Achievements -Sports/ Social activities. • Divyangjan Evidence of Success: A large number of students received fee concession and completed their graduation successfully. The exit feedback from the students indicates the true success of this fee concession practice. The performance against targets is achieved remarkably. Problems Encountered and Resources Required: There are no problems confronted by institute however since it is a self financed institution, the resources are mobilized through various sources so as to provide the concessions to the students.

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

https://kgr.ac.in/best-practices/

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

INSTITUTIONAL DISTINCTIVENESS CENTER FOR ENGINEERING EDUCATION DEVELOPMENT KG Reddy College of Engineering and Technology has established the Center for Engineering Education Development (CEED) to encourage and foster innovations in teaching and learning. In alignment with the institution's vision of New Age Engineering, CEED works with the faculty in the institution through capacity building initiatives to help implement student-centric teaching methodologies in their classrooms. CEED regularly organizes faculty development program on different topics to improve the awareness and knowledge of evidence-based pedagogical approaches among the faculty. CEED at KGRCET is comprised to faculty from different departments who work together to design and facilitate faculty development programs. Faculty Development Program at the start of the semester CEED organizes a faculty development program at the start of every semester for new faculty joining the institution. The program also incorporates sessions on additional topics such as Mentoring Students, Ethical Practices in Classroom, Classroom Management etc. Below are lists of sessions that are included in the faculty development program. 1. Blooms Taxonomy: Levels of Learning, Identifying the levels for the topics, designing the course outcomes using blooms taxonomy. 2. Student Centered learning: Active learning methods,

Learning Styles, Managing large classrooms, Collaborative learning. 3. Effective Assessment: Principles of assessment, Designing formative and summative assessments, creating rubrics. 4. Technology-Enhanced Learning: Integrating technology in classroom, Flipped classroom, Creating course website, Online courses. 5. Creating Teaching Philosophy and Teaching portfolio. 6. Outcome-Based Education: Designing program-specific outcomes (PSOs), program outcomes (POs) and mapping them to the course outcomes (COs). Faculty Development Programs conducted throughout the semester The IQAC has initiated through CEED various semester long faculty development initiatives to help faculty improve their knowledge and skills about teaching and learning. This initiative was aimed to help improve students' performance in course by enabling to take active role in the classrooms. Workshops are conducted on the following topics throughout the semester (twice every month) and are open to all faculties for participation. Session 1 – Focus on Content: Introduction to Backward Design Process and Developing Curricular Priorities to Organize Course Content Session 2 – Focus on Learners: Understanding 21st Century Learners and Individual Differences among Students Session 3 – Focus on Assessment: Writing Learning Outcomes using Blooms Taxonomy Session 4 – Focus on Assessment: Developing Summative and Formative Assessments Session 5 – Focus on Pedagogy: Strategies to Making Learning Whole Session 6 – Focus on Pedagogy: ICAP Framework, Pedagogies of Engagement Session 7 – Alignment of Content, Pedagogy, and Assessment Through the initiatives of CEED, faculty members at KGRCET are able to implement active and Collaborative (student-centric) teaching methodologies in their classroom. Few faculty members have transformed their courses to a blended format by developing course websites to enable students' learning outside of the classroom. CEED aims to continue helping faculty build knowledge and skills on how to better teach engineering courses and help students achieve the intended learning outcomes.

Provide the weblink of the institution
https://kgr.ac.in/distinctiveness/

8.Future Plans of Actions for Next Academic Year

To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution, The IQAC has the primary objectives for the next academic year. • To Form emerging technology clubs • To get NBA accreditation for 2 programs: CSE, ECE • To get UGC autonomous status • To conduct training programs towards improvements of student placements • To Establish Center for Engineering and Technology • To ensure effective online teaching using Learning Management System