## Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **TEEGALA KRISHNA REDDY ENGINEERING COLLEGE** |
| Name of the head of the Institution | **Dr. K Venkata Murali Mohan** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **04029551158** |
| Mobile no. | **9393959597** |
| Registered Email | **tkrec@rediffmail.com** |
| Alternate Email | **principal@tkrec.ac.in** |
| Address | **Medbowli, Meerpet, Saroornagar** |
| City/Town | **HYDERABAD** |
| State/UT | **Telangana** |
| Pincode | **500097** |

## 2. Institutional Status

| | |
|---|---|
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **Self financed** |
| Name of the IQAC co-ordinator/Director | **Dr. R. Shankar** |
| Phone no/Alternate Phone no. | **09443574969** |
| Mobile no. | **9393959597** |
| Registered Email | **iqac@tkrec.ac.in** |
| Alternate Email | **dr.shankarr@tkrec.ac.in** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | https://tkrec.ac.in/ |

## 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://tkrec.ac.in/wp-content/uploads/2021/06/Academic-Calendar-for-B.Tech-I-Year-2019-20.pdf |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **A** | **3.23** | **2019** | **28-Mar-2019** | **27-Mar-2024** |

## 6. Date of Establishment of IQAC

| | |
|---|---|
| **6. Date of Establishment of IQAC** | **08-May-2015** |

## 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 |
| **External Academic** | **12-Mar-2020** | **36** |

| | | | |
|---|---|---|---|
| Administrative Audit (AAA) | 1 | | |
| Internal Academic Administrative Audit (AAA) | 09-Mar-2020 1 | | 32 |
| Analysis of Feedback | 06-Mar-2020 1 | | 3744 |
| Feedback from Parents | 30-Dec-2019 1 | | 624 |
| Feedback from Students | 29-Nov-2019 1 | | 3120 |
| IQAC Meeting 4 | 04-Mar-2021 1 | | 25 |
| IQAC Meeting 3 | 30-Jan-2020 1 | | 25 |
| IQAC Meeting 2 | 26-Nov-2019 1 | | 25 |
| IQAC Meeting 1 | 24-Sep-2019 1 | | 24 |

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| |
|---|
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**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 |
|---|---|---|---|---|
| ECE | ANVESHAN 2020 | ANALOG AND DEVICES COMPANY | 2020 180 | 110000 |
| EEE | FDP | AICTE | 2020 7 | 93000 |
| ECE | TEQIP III | JNTUH | 2019 365 | 280000 |
| | | [View Uploaded File](#) | | |

| | |
|---|---|
| **9. Whether composition of IQAC as per latest NAAC guidelines:** | **Yes** |
| Upload latest notification of formation of IQAC | [View Link](#) |
| **10. Number of IQAC meetings held during the year :** | **4** |
| 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 | <u>View Uploaded File</u> |
|---|---|
| **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)**

**1. Workshops and seminars are organised 2. Faculty members have been motivated to update their skills by attending faculty development programs, workshops and academic training in reputed organisations. 3. Students of all the branches have attended internship programmes in various Organisations 4. EDC has organised workshops related to Entrepreneurship, career awareness programmes . 5. Students are motivated to participate in various events and competitions such as Smart India Hakathtan**

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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 |
|---|---|
| **Funds received from funding agency** | **Projects worth Rs 483000/ is undergoing in college** |
| **Patents by IPR** | **Faculties applied for patents and published in this academic year** |
| **Journal Publications** | **More focus on scopus journal publications in this current Academic Year.** |
| **Academic and Administrative Audits** | **Assessing teaching learning process based on curriculum planning and to meet learning objectives.** |
| **NIRF Registration** | **Data collection and updating the institute details for NIRF ranking** |
| **Orientation Programmes** | **Orientation programme for first year students which helps the students to get adapted with campus life, curriculum and administrative procedures** |
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| **14. Whether AQAR was placed before statutory body ?** | **Yes** |
|---|---|

| Name of Statutory Body | Meeting Date |
|---|---|
| **Governing Council** | **02-Jan-2020** |

| | |
|---|---|
| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | No |
| **16. Whether institutional data submitted to AISHE:** | Yes |
| Year of Submission | 2020 |
| Date of Submission | 05-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) | Management Information System currently operational in our college are BIO METRIC, The daily log in and logout details are registered and verified by the bio metric software. It also calculates the details regarding the leave, absent and loss of pay of the faculty and staff members. ERP staff, students and TIPCO, NewGen Lib ILMS software Library is automated fully |

## 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

In Teegala Krishna Reddy Engineering College, effective curriculum delivery is ensured through the following processes, subject allocation to the faculty members are done considering their expertise along with their choice, course study material such as lecture notes, question bank, lab manuals are prepared by the concern faculty members focusing on the outcome based education including Bloom's Taxonomy. Hard copies of question bank and lab manual are also provided to the students. Time tables are prepared in advance every semester for theory, tutorial and practical classes based on the, credits as per the curriculum. Curriculum delivery is carried out in the Institution through proven approaches, following the academic schedules given by JNTU, Hyderabad. An academic calendar covering working days schedule, internal assessment examinations etc., is prepared every semester. Lesson plan showing the hourly plan of course delivery is prepared for all the subjects by the faculty members. The quality of course delivery by the faculty members are periodically monitored by getting feedback from the students, unit wise syllabus coverage and deviations from the lesson plan including practical classes will be reviewed by head of the departments and institution. Special classes are arranged in the event of any loss of working days or in cases students requiring more practice. Courses for value addition related to the subjects are conducted to the students to facilitate hands on experience on concepts learnt in the class room sessions, special coaching is provided for the slow learners identified. Moreover, all the above processes are documented

regularly.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
|---|---|---|---|---|---|
| Web Develo | Nil | 25/11/2019 | 6 | Employabil ity | web development |
| Robotics Automation | Nil | 02/12/2019 | 6 | Employabil ity | Robotics |
| Embedded System | Nil | 16/12/2019 | 6 | Employabil ity | Embedded System |
| Machine Learning | Nil | 23/12/2019 | 6 | Employabil ity | Machine Learning |
| Cyber Security | Nil | 06/01/2020 | 6 | Employabil ity | Cyber Security |

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|---|---|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

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

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|---|---|---|
| BTech | CIVIL | 01/06/2019 |
| BTech | EEE | 01/06/2019 |
| BTech | ECE | 01/06/2019 |
| BTech | CSE | 01/06/2019 |
| BTech | IT | 01/06/2019 |
| Mtech | CSE | 01/06/2019 |
| MBA | MBA | 01/06/2019 |

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

| | Certificate | Diploma Course |
|---|---|---|
| Number of Students | Nil | 540 |

## 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 |
|---|---|---|
| InterviewPreparation Skills | 15/07/2019 | 330 |
| English Language Lab | 16/08/2019 | 191 |
| Environmental Science | 13/01/2020 | 191 |
| Gender Sensitization | 15/07/2020 | 235 |

| | | |
|---|---|---|
| Lab | | |
| Constitution Of India | 16/12/2020 | 235 |
| Disaster Management | 15/07/2019 | 174 |
| Professional Ethics | 15/07/2019 | 174 |
| Advanced English Communication Skills Lab | 16/12/2019 | 174 |
| Organisation Behaviour | 16/12/2019 | 143 |
| Energy Storage Systems | 16/12/2019 | 128 |
| [View Uploaded 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 | 120 |
| BTech | EEE | 120 |
| BTech | ECE | 240 |
| BTech | IT | 60 |
| BTech | CSE | 240 |
| Mtech | CSE | 24 |
| MBA | MBA | 60 |
| [View Uploaded File](#) | | |

## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|---|---|
| Students | Yes |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

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

Feedback Obtained

In Teegala Krishna Reddy Engineering College, regularly feedbacks are collected in order to utilize them for overall development of the institution. Feedbacks are collected from students, alumni, teachers, parents and employers are discussed, analyzed and laid as the basis for future plans. The feedback collected are analysed by the respective department academic committee (DAC) members and they identifies the shortcomings and improvement areas that has to be implemented in the department level and college level. The department level feedback are discussed in the department meeting and necessary initiatives and measures are taken with the concern of principal. The curriculum feedback is represented to University with Principal approval and through our college board of studies members (BOS) and syllabus committee members. The college level feedback is informed by the head of the concern department to academic council members (ACM) headed by the principal. After three weeks of the commencement of semester, the students were encouraged to give online feedback for the subject as well as subject teacher through a structured questionnaire designed with

focus on every aspect of teaching learning process and other administrative process. Curriculum feedback at the end of each semester and program exit feedback from the students of final semester are taken to analyze the understanding capability of the students for a given program. Feedbacks on the infrastructural facilities are taken from the final year students at the end of the program for improving the lab facilities. Feedbacks from the parents are taken by interacting with them during parent teacher meet. Feedback is taken from alumni and from the companies for suggestions or improvements in the curriculum towards industrial requirements.

## 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 | IT | 60 | 90 | 45 |
| BTech | CSE | 240 | 260 | 192 |
| BTech | ECE | 240 | 303 | 181 |
| BTech | EEE | 120 | 110 | 108 |
| BTech | CIVIL | 120 | 124 | 83 |
| Mtech | CSE | 24 | 10 | 4 |
| MBA | MBA | 60 | 36 | 33 |
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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 | 642 | 37 | 176 | 12 | 18 |

### 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
|---|---|---|---|---|---|
| 188 | 170 | 30 | 7 | 10 | 9 |
| View File of ICT Tools and resources | | | | | |
| No file uploaded. | | | | | |

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

Teegala Krishna Reddy Engineering College has students mentoring system, it enhances students' academic involvement. It links faculty and students with bureaucrats. Faculty members who are the mentors play a dynamic role in mentorships. Mentors give technical and personal guidance to students in the institution. Mentors upkeep, student's personal life with professional goals or provide emotional support during challenging times

and help students understand the challenges and opportunities present in the institute that develop a smooth transition to campus life. Mentors counsel students who are academically poor, and to play an important part in helping struggling students deal with academic, and personal issues.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|---|---|---|
| 2556 | 188 | 1:14 |

## 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 |
|---|---|---|---|---|
| 178 | 188 | 2 | 9 | 7 |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---|---|---|---|
| 2019 | Dr.Padmaja.Pulicherla | Professor | Outstanding Faculty in Computer Science (Venus International Faculty Awards) |
| 2019 | Dr. Vadivelan Natarajan | Professor | Laste Award of Excellence in Research |
| 2019 | Dr.K.Srinivasa Reddy | Associate Professor | Self Rechargeable Drone", Patent Number:201941048019[6/12/2019] |
| 2019 | Dr.P.Padmaja | Associate Professor | Innovative Researcher Dedicated, Best Academician Award received from "The society of Innovative Educationalist Scientific Research Professional |
| 2019 | Mrs.V.Roopa Reddy | Associate Professor | Received fund of Rs.50,000/- for the project "Electric and Solar Scooty" from Analog Devices Company as a part of Anveshan 2020 Contest for students innovative project |
| 2019 | Dr. K.V. Murali Mohan | Principal | Patent on Emotion Analysis Based |

| | | | |
|---|---|---|---|
| | | | Assessment System Patent Number 202041025516 A |
| 2019 | Dr. K.V. Murali Mohan | Principal | Patent on A Novel IoT-Enabled Accident Deterrent And Tracking System Patent Number 202041048017 A |
| 2019 | Dr. R. Shankar | IQAC / CIQA coordinator | Design A Low-cost Green Power Divining Farming Using IoT and Cloud Computing, Patent Number 201941050317 [6/12/2019] |
| 2020 | Dr. R. Shankar | IQAC / CIQA coordinator | Optimized TDMA based Scheduling Technique for Network Coding, Patent Number: 201941054320A [28/12/2019] |
| 2019 | Dr.CH.V. Phani krishna | Professor | Laste award of excellence in Research |
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## 2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|---|---|---|---|---|
| BTech | CIVIL | I/IV | 11/04/2020 | 23/12/2020 |
| BTech | EEE | I/1V | 11/04/2020 | 23/12/2020 |
| BTech | CSE | I/1V | 11/04/2020 | 23/12/2020 |
| BTech | ECE | I/1V | 11/04/2020 | 23/12/2020 |
| BTech | IT | I/1V | 11/04/2020 | 23/12/2020 |
| MBA | MBA | 6 / III | 11/04/2020 | 23/12/2020 |
| View Uploaded File | | | | |

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

Teegala Krishna Reddy Engineering College has an examination cell headed by a Controller of examinations for conducting and supervising of all the internal and end-semester examinations. The Controller is assisted by a team consisting of an Assistant Controller, Office Assistants, Computer Programmers, Data Entry Operators and other attenders. Prior information to the students are given about evaluation processes, attendance requirements as well as the other systems for the internal assessments. An academic schedule is prepared in line with the University, which provides information on the examination dates for

continuous internal assessment and the same is informed to students and parents. Question papers are set in line with the requirements of OBE with questions from all levels of Blooms Taxonomy. The questions are also mapped with the relevant course outcomes stated for the respective courses. Evaluation of answer-scripts is conducted after each Internal Assessment Examination. The evaluated answer-scripts are verified by senior faculty members to ensure transparency and distributed back to the students within two days of examination.

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

In Teegala Krishna Reddy Engineering College, the academic calendar is prepared in line with the schedule announced by university and made available to all the stack holders of the college in all the avenues. It includes the opening and closing dates of the classes of each semester, list of holidays, co – curricular activities and schedules of internal end semester exams. Lesson plans are prepared based on academic calendar by the faculty members. The detailed lesson plan confirming to the university syllabus is prepared by each faculty before the start of the semester. Lesson plan comprises of content, learning aids and methodology and course outcomes. It is duly reviewed and approved by one of the senior faculties in the department and corrective actions are suggested by the head of the department whenever required. The lesson plan generally highlights the content and total lecture hours required for the completion of subject syllabus. Details of co-curricular activities such as industrial visits, guest lectures, value added courses, placement training, workshops, cultural, intramural sports are planned by the department and the schedule for the same is displayed in each department notice board.

## 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://tkrec.ac.in/civil-enigineering/

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 |
|---|---|---|---|---|---|
| MBA | MBA | MBA | 47 | 23 | 48.9 |
| IT | BTech | IT | 37 | 27 | 72.9 |
| ECE | BTech | ECE | 146 | 75 | 51.37 |
| CSE | BTech | CSE | 197 | 139 | 71 |
| EEE | BTech | EEE | 91 | 67 | 73.62 |
| CIVIL | BTech | CE | 120 | 100 | 83.33 |
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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://tkrec.ac.in/student-services/

## 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 |
|---|---|---|---|---|
| Projects sponsored by the University | 365 | JNTUH-TEQIP III | 2.8 | 2.8 |
| Students Research Projects (Other than compulsory by the University) | 365 | Analog Devices | 0.5 | 0.5 |

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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 |
|---|---|---|
| Concrete Mix Design and Repair Rehabilitation of Structures | Civil Engineering | 26/02/2019 |
| Recent Advanced Materials for Sustainable Development in Construction | Civil Engineering | 24/02/2020 |
| IoT FDP | ECE | 02/01/2019 |
| Outcome Based Education | ECE | 01/07/2019 |
| NBA Accreditation for Quality Assurance | ECE | 24/02/2020 |
| Personality Development Skills | IT | 30/07/2019 |
| Effective Methods Of Teaching For Engineering Faculty | IT | 16/12/2019 |
| Block chain Technology- The Trust Of Cyber Security | IT | 03/02/2020 |
| Workshop on C and C | IT | 29/02/2020 |
| Business incubation and fostering start-up eco systems in India | MBA | 15/02/2020 |
| Entrepreneurial growth operating systems (EGOS) | MBA | 27/07/2019 |
| Face the Race | MBA | 04/04/2019 |

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 |
|---|---|---|---|---|
| The | Dr.C | DK | 30/06/2019 | Best Women |

| futuristic and outstanding best practices in the field of education | Thulasiyammal | International Research Foundation | | Faculty |
|---|---|---|---|---|

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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 |
|---|---|---|---|---|---|
| TKREC | TKREC INCUBATION CENTRE | TKRES | Start-up R9 | FARMER SUPPORT | 07/10/2019 |

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**3.3 – Research Publications and Awards**

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|---|---|
| **No Data Entered/Not Applicable !!!** | | |

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

| Name of the Department | Number of PhD's Awarded |
|---|---|
| **No Data Entered/Not Applicable !!!** | |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| International | MBA | 6 | 3 |
| International | HS | 3 | 2 |
| International | Civil | 2 | 1 |
| International | EEE | 14 | 6.1 |
| International | CSE | 21 | 2.85 |
| International | ECE | 2 | 1.6 |
| International | IT | 10 | 1.5 |

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

| Department | Number of Publication |
|---|---|
| MBA | 1 |
| IT | 4 |
| ECE | 21 |
| CSE | 11 |
| EEE | 3 |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|---|---|---|---|---|---|
| Kidney Disease detection and segmentation using artificial neural network and multi-kernel K-means Clustering for Ultra sound Images | Dr.N.Venkatadri | Medical Hypotheses | 2019 | 19 | TKREC | Nill |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| Different Topologies of Invertre:A Literature Survey | K Chenchi Reddy | Lecture Notes in Electrical Engineering,Springer,Singapur | 2020 | 1 | 1 | Karunya Institute of Technology and Sciences |

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

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Seminars/Workshops | 1 | 146 | 36 | 1 |
| Presented papers | 11 | 9 | Nill | Nill |
| Resource persons | Nill | 1 | Nill | Nill |

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## 3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|
| Road Safety | NSS TKREC | 13 | 150 |

| Awareness Program | | | | |
|---|---|---|---|---|
| National Voters Day | NSS TKREC | 13 | | 103 |
| Blood Donation Camp | NSS TKREC | 13 | | 230 |
| Cancer Awareness Program | NSS TKREC | 13 | | 108 |
| National Unity Day Program | NSS TKREC | 13 | | 120 |
| Engineers Day Celebrations | NSS TKREC | 13 | | 110 |
| Fund Raising Program | NSS TKREC | 13 | | 1000 |
| ECO Friendly Ganesh Program | NSS TKREC | 13 | | 101 |
| Digital Safety Awareness Program | NSS TKREC | 13 | | 93 |
| Yoga Day Celebrations | NSS TKREC | 13 | | 124 |
| 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 |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

 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 |
|---|---|---|---|---|
| Yoga Day | NSS | Yoga | 30 | 124 |
| 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 |
|---|---|---|---|
| IOT FDP | FACULTY | NITW | 6 |
| View File | | | |

 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 | Duration From | Duration To | Participant |
|---|---|---|---|---|---|

| Internship | Internship | HIEE | 16/12/2019 | 31/12/2019 | Students |
|---|---|---|---|---|---|

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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 |
|---|---|---|---|
| Electromation Technology | 01/08/2019 | Research,Mini Project, Major Project | 180 |

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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 |
|---|---|
| 1498041 | 1426706 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Class rooms | Existing |

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## 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 | 2.5 | 2011 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Journals | 130 | 100000 | 2 | Nill | 132 | 100000 |

| View File |
|---|

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

## 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidt | Others |
|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | h (MBPS/ GBPS) | |
|---|---|---|---|---|---|---|---|---|---|
| Existing | 858 | 23 | 342 | 0 | 0 | 23 | 7 | 100 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 858 | 23 | 342 | 0 | 0 | 23 | 7 | 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 |
|---|---|
| Digital Library/ E-Resource | https://tkrec.ac.in/digital-library/ |

## 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 |
|---|---|---|---|
| 61333385 | 58412748 | 1800000 | 1795000 |

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

The physical facilities such as Laboratories, Classrooms, Library and Sports Complex are maintained by House Keeping under the supervision of nonteaching staff and Floor Supervisors on a daily basis. Utilization of the classrooms is facilitated to the students in working days and it is also made available to the other governmental / nongovernmental organizations for conducting exams during Vacations and holidays. The masonry and plumbing works are carried out with local skilled persons and the expenditure is incurred from Maintenance. Lab equipments are serviced by manufacturers and service personnel whenever there is necessity. Stock registers are maintained regularly. Electrical, plumbing, waterline and sewage works are checked and monitored regularly. A power generator is installed on the campus to handle the occasional power shut down. All the sports facilities are maintained regularly. Play field is utilized during the tournaments and sports day and other celebrations. Tree plantation and garden maintenance are done by the gardeners appointed by the Institute. NSS and NCC maintain certain areas of the college help in planting saplings on the campus. The college has an adequate number of computers with adequate speed internet connections and software. Internet facility is distributed to all the departments, laboratories, library and administrative office. Computers are maintained by system administrators regularly. Each laboratory has an assistant, who ensures proper usage of the computers and other equipments. The working hours of the library is from 9.00 a.m to 5.00 p.m on working days and from 9.00 a.m to 1.00 p.m. on holidays. Maintenance activities are done periodically to keep the library organized and clean. The activities like fumigation, preservation of books from insects, dusts and shelving of reading materials promptly on regular basis by the housekeeping and Library Staff. Special Training activities for competitive examination such as GRE, TOEFL, GATE and Placement Training is given by experts to the students of final year. Excellent infrastructure is provided for indoor and outdoor sports activities.

# 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 | Merit Scholarships | 100 | 1000000 |
| Financial Support from Other Sources |  |  |  |
| a) National | State Govt. Reimbursement Tution Fee | 1417 | 51160785 |
| b)International | Nill | Nill | Nill |
| [View File](#) | | | |

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

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
| --- | --- | --- | --- |
| Soft Skill Development | 06/01/2020 | 350 | Task Academy |
| [View File](#) | | | |

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

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passedin the comp. exam | Number of studentsp placed |
| --- | --- | --- | --- | --- | --- |
| 2019 | Guidance for competative Examinations | 97 | 74 | 25 | 64 |
| [View File](#) | | | | | |

### 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
| --- | --- | --- |
| 0 | 0 | 0 |

## 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 |

| 65 | 1133 | 132 | 31 | 1334 | 48 |
|-----|------|-----|-----|------|-----|
| | | | View File | | |

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 | 6 | B.Tech | IT | UNIVERSITY OF HERTFORDS HIRE | M.S |
| 2020 | 35 | B.Tech | ECE | Vidya Jyothi Institute of Technology ETC., | M.Tech |
| 2020 | 25 | B.Tech | CSE | AVANTHI ENGG COLLEGE ETC., | M.Tech |
| 2020 | 12 | B.Tech | EEE | Gokaraju Ranga raju Institute of Engineering and Technology ETC., | M.Tech |
| 2020 | 28 | B.Tech | CIVIL | CVR College of Engineering | M.Tech |
| | | | View File | | |

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|------|------|
| GATE | 1 |
| GMAT | 1 |
| GRE | 4 |
| Any Other | 50 |
| | View File |

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

| Activity | Level | Number of Participants |
|------|------|------|
| Independance day celebrations | Institutional Level | 1500 |
| | View File | |

## 5.3 – Student Participation and Activities

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

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

| | award/medal | Internaional | awards for Sports | awards for Cultural | number | student |
|---|---|---|---|---|---|---|
| 2020 | Winner | National | 1 | Nill | 17R91A04B6 | M. Prathush |

[View File](#)

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

In Teegala Krishna Reddy Engineering College (TKREC), students 1. Enthusiastically take part in activities of National Service Scheme (NSS) 2. Visit needy children homes, old age home etc., run by Non- Government Organizations once in a semester in turn. Participation of students in these activities teaches the social responsibility in the minds of students. 3. The institution caters to specific needs of the students to equip for a career of their choice through training to civil service and other exams in addition to placement and entrepreneurship trainings by Placement cell and Entrepreneurship Development Cell which are functioning under the guidance of dedicated faculty members. 4. The Institution has various clubs in which students take active part to develop their soft skills. Participation of students in the activities of various club enhances their technical skills too. 5. The Institution has students chapters of various professional societies which provide avenues for the development of technical skills, updating knowledge, personality development and service to the society 6. All above are carried out by students in addition to actively participating and giving feedback on their academic need.

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Teegala Krishna Reddy Engineering College (TKREC) is extremely proud of every member of its alumni. Most of them are successful in their careers and in the field of entrepreneurship. The alumni meet is conducted once or twice in a year, where the passed out students of under graduate and post graduate programs share their views and give suggestions for the betterment of curriculum, campus and to their juniors. It is proud to say that a significant number of our passed out students are currently continuing either higher studies or employment at U.S.A, U.K., Germany, Australia, Canada, and Singapore etc. These alumni members are regularly informed about the actives and developments of the college through official Facebook alumni group. Our alumni are successfully contributing in strengthening confidence and inculcate the right social culture and navigate their juniors. Apart from this, the alumni frequently visit the institution and deliver guest lectures on career guidance in their areas of expertise and motivate the young minds. Successful alumni entrepreneurs are often invited to share their success stories at various occasions of the Institute. The alumni also help the final year students of the various streams of engineering and business administration to get their placements and summer internship in their companies. The alumni association meetings also pave the way for the successful placements of the students.

5.4.2 – No. of enrolled Alumni:

502

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

118500

| 5.4.4 – Meetings/activities organized by Alumni Association : |
|---|

| Seminars Career Counselling Personal guidance Alumni meetings etc., |
|---|

# 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)

Practice 1. In Teegala Krishna Reddy Engineering College (TKREC), 1. Semester wise academic calendar is scheduled for internal assessment tests, industrial visits, conferences, workshops, seminars, FDPs, club activities, sports day, graduation day, NGO visits, celebrations etc. 2. Academic calendar is prepared by the Principal after having discussions with the HODs and various committee members. 3. The Principal ensures quality standards in teaching learning Process, evaluation system and other related activities. 4. The Principal initiates various quality enhancement programmes in the institution and is assisted by HODs, Administrative officer, In-charges and Coordinators of various cells/committees in decision making process of the Institute. 5. HODs prepare the operational plan for their respective departments with the concern of the Principal. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. 6. HODs conduct periodic meetings in the department. The collective suggestions given by the faculty, students, corporate and other stakeholders are discussed with the Principal. 7. The Principal discusses the suggestions and gets the approval of the chairman, secretary and treasurer. 8. The approved decisions are circulated among the stakeholders for execution. 9. The management ensures a smooth flow of information Top down and bottom up paving way for excellent teamwork among the stakeholders. Practice 2 In Teegala Krishna Reddy Engineering College (TKREC), 1. Placements is major objectives of the institutions. The placements cell has an officer and coordinators from each department as a member. 2. The students are given aptitude training from the first semester. The placement coordinators monitor the performance of the students and help them to do better. 3. The performance record of the students is maintained by the coordinators. In the second year the students are trained on the technical aspects like C, C, JAVA. Based on the performance of the students the students are grouped into categories and the coordinators arrange for specialised training. 4. The coordinators along with a panel of interviewers, formed with alumni and selected HR's from industries, arrange for mock interviews and the students are provided with feedback. 5. The performance is continually monitored by the coordinators. In the final year students undergo required assessments. Assessment is done at the end to find the gap in skill requirements. If there is a gap the students are asked to repeat the learning process and make them competitive by additional training. 6. Hence all the activities planned by the Training and placement cell aims at enhancing the students overall performance for their desired career goals.

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

| Partial |
|---|

## 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 |
|---|---|
| Examination and Evaluation | There is a complete transparency in the JNTUH examination system, Evaluation of internal assessments through continuous assessment that |

| | includes Three internal tests, Three Assignments and Three objective type questions and End Semester Examination. The tentative dates of internal tests and semester examinations are presented in the academic calendar well in advance. The students are given opportunity to review their evaluated answer sheets immediately after the publication of results and they can apply for revaluation if they are not satisfied with the evaluation. |
|---|---|
| Teaching and Learning | Online courses like NPTEL, Swayam etc., are helpful for enhancing Teaching and learning process. Smart class room teaching and use of IoT tools are adopted. |
| Curriculum Development | Based on the guidelines of AICTE, JNTUH Curriculum is followed, More emphasis are given to employability, skill development courses with more number of subjects in the open elective category. It has been insisted to carry Design of components/ structures as the mini project. Feedbacks from Alumni, Industrial experts, Subjects experts from other premier institutions are also considered and incorporated. Industry based electives were incorporated in the curriculum. |

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

| E-governace area | Details |
|---|---|
| Administration | Academic Management Hostel Management Controller of Examination Office Library Alumni |
| Finance and Accounts | Finance Management |
| Student Admission and Support | Central Library Management Online Publication of results |
| Planning and Development | E procurement for purchase |

## 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 |
|---|---|---|---|---|
| Nill | K.Ramesh | NPTEL Exam Fees | Nill | 500 |
| Nill | CH.Nishanthi | NPTEL Exam Fees | Nill | 500 |
| Nill | V.Roopa Reddy | NPTEL Exam | Nill | 500 |

| | | Fees | | |
|---|---|---|---|---|
| Nill | P.Sharmila Rani | NPTEL Exam Fees | Nill | 500 |
| Nill | Mr M.V.V.S.ch owdary | NPTEL Exam Fees | Nill | 500 |
| Nill | Y.Pratyusha | NPTEL Exam Fees | Nill | 500 |
| Nill | D.Rama Devi | NPTEL Exam Fees | Nill | 500 |
| Nill | B.Jamuna | NPTEL Exam Fees | Nill | 500 |
| 2020 | N.Aravind | NPTEL Exam Fees | Nill | 500 |
| 2020 | M.Aishwarya | NPTEL Exam Fees | Nill | 500 |
| | | [View File](#) | | |

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) |
|---|---|---|---|---|---|---|
| 2020 | ARTIFICIAL INTELLIGEN CE, MACHINE LEARNING WITH DATA SCIENCE | Nill | 24/02/2020 | 25/02/2020 | 40 | Nill |
| | | | [View File](#) | | | |

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---|---|---|---|
| Faculty awareness program on NACC Accreditation | 2 | 10/05/2020 | 15/05/2020 | 6 |
| | | No file uploaded. | | |

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

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

| 180 | 180 | 24 | 24 |
|-----|-----|-----|-----|

| 6.3.5 – Welfare schemes for |
|---|

| Teaching | Non-teaching | Students |
|---|---|---|
| Free transport | Free transport | TA / DA amount reimbursement for Competition winners |

## 6.4 – Financial Management and Resource Mobilization

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

Internal audit: Teegala Krishna Reddy Engineering College (TKREC), has a well-defined mechanism to audit the utilization of funds. Internal financial auditing is periodically conducted in TKREC. The process of internal auditing starts with the budgetary preparation and there is a well-defined process for sanction of budget. Monitoring of expenditure against budget is done regularly, where all department in-charges and administrative in-charges submit their previous year annual expenditure statement along with next year budget for recurring and non - recurring expenses during the month of January/February to the Principal and it is forwarded to the chairman through secretary and treasurer. The approved budget is communicated to all the department in-charges and administrative in-charges. Based on this, the monthly budget is prepared by all the department and administrative in-charges. The management monitors and reviews the monthly expenditures of the Institution by conducting budget meetings. The budget meeting takes place once in every month and in this meeting next month's budget is presented and previous month expenses and balances are checked. The main purpose of this procedure is to monitor the expenses and increase the efficiency. Proper record for all budget expenses is maintained by each department in-charges, administrative in-charges, accounts department, and the Principal office. Further the accounts department audits all the bills and vouchers and maintains the record of all the expenditures incurred. External auditing: TKREC complies with the statutory auditing norms. At the end of every financial year, the income and expenditure statement is duly audited and authorized by a Chartered Accountant. The Chartered Accountant prepares and submits the auditor's report for the financial year. The report exhibits that the statements are presented fairly, thereby TKREC shows a true and fair view in the financial position, results of operations, and cash flows.

| 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 |
|---|---|---|
| No Data Entered/Not Applicable !!! | | |
| No file uploaded. | | |

| 6.4.3 – Total corpus fund generated |
|---|
| 124500 |

## 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 | Expert Team from TKR | Yes | Internal Audit committee |

| | | COLLEGE OF ENGINEERING AND TECHNOLOGY | | |
| --- | --- | --- | --- | --- |
| Administrative | Yes | Expert Team from TKR COLLEGE OF ENGINEERING AND TECHNOLOGY | Yes | Internal Audit Committee |

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

In Teegala Krishna Reddy Engineering College (TKREC), the parent teacher association actively participates to strengthen and support 1. Training programs to enhance the students with complete knowledge of IT applications, programming knowledge, troubleshooting and development. 2. Help identifying the trainers 3. Help arranging industrial visits

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

Teegala Krishna Reddy Engineering College (TKREC) offers various development programmes listed below, for support staff 1. Technical skills enhancement training that encourages learning and up-skilling of supportive staff for their personal growth, so that they will be more productive and engaged. Depending upon the nature of job and tasks, the technical skill enhancement training will be imparted to supportive staff. 2. Soft skill training for admin staffs 3. Fire safety training for supportive staff and admin staffs, this training programme is to educate people to respond in the event of fire alarms, and where the safety assembly point is. Employees should know not only where they are meant to go, but the safest routes they can take. It also makes sure that everyone knows how to operate exit devices, such as fire doors apart from demonstration programme on fire fighting.

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

1. IQAC encouraged members of departments accreditated by NBA towards the renewal of the same 2. IQAC has taken steps to have a full fledged MIS that helps in information sharing among all the stack holders of institution 3. Organised various meetings with superannuated experts from renowned institutions for their valuable guidance in improving the quality of TKREC

## 6.5.5 – Internal Quality Assurance System Details

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

## 6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
| --- | --- | --- | --- | --- | --- |
| 2019 | IIQAC MEETING 1 | 24/09/2019 | 24/09/2019 | 24/09/2019 | 24 |
| 2019 | IQAC MEETING 2 | 26/11/2019 | 26/11/2019 | 26/11/2019 | 25 |
| 2020 | IQAC MEETING 3 | 30/01/2020 | 30/01/2020 | 30/01/2020 | 25 |
| 2020 | IQAC | 04/03/2020 | 04/03/2020 | 04/03/2020 | 25 |

| | |
|---|---|
| MEETING 4 | |

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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 |
| WOMENS DAY CELEBRATIONS | 07/03/2020 | 07/03/2020 | 120 | 60 |
| BATHUKAMMA | 30/09/2019 | 30/09/2019 | 460 | 120 |

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 |
|---|
| 1.5 |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| Physical facilities | Yes | 5 |
| Provision for lift | Yes | 5 |
| Ramp/Rails | Yes | 5 |
| Braille Software/facilities | No | Nill |
| Rest Rooms | Yes | 5 |
| Scribes for examination | No | Nill |
| Special skill development for differently abled students | Yes | 5 |

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 |
|---|---|---|---|---|---|---|---|
| 2020 | 3 | 4 | 25/01/2020 | 1 | BLOOD DONATION CAMP | A Blood donation camp was organized by NSS Unit in association with Durgabhai Deshmukh | 216 |

| | | | | | | | | hospital on 25-01-2020 and 216 samples were donated. |
|---|---|---|---|---|---|---|---|---|---|

| View File |
|---|

## 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 for Staffs | 19/06/2019 | The rules and regulations and its latest Amendments were discussed with staff members during the Semester beginning staff meeting |
| Code of Conduct for Students | 19/06/2019 | The rules and regulations and its latest Amendments were discussed with students |

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

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| ENGINEERS DAY | 14/09/2019 | 15/09/2019 | 100 |
| INDEPENDENCE DAY | 15/08/2019 | 15/08/2019 | 310 |

| View File |
|---|

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

Green Practices Going green means to pursue knowledge and practices that can lead to more environmentally friendly and ecologically responsible decisions and lifestyles, which can help protect the environment and sustain its natural resources for current and future generations. Students and staff using a) Bicycles • Bicycles are used by few people to improve their health conscious and they are economical and pollution free. b) Public Transport • Our College provides bus facility to students and staff. • Most of our students availing public transport provided by the government based on their convenience. The common bus stand has been contributed by our institutions and it is located beside our college campus. • In addition to this, there are about 250 sharing Autos which shuttle all the times c) Pedestrian friendly roads • Many students and staff are using pedestrian friendly roads in and around the campus. • Our security guards are standing in the entrance for providing separate path to vehicles and pedestrians to avoid traffic in the peak hours in the campus entrance. • Side walk facility is also provided in the college campus. d) Plastic free campus • The Institute has initiated to make campus plastic free and to use eco friendly items to stamp out environmental damage and risks. • Students and staff are instructed not to use plastic covers in the campus • Burning of plastic wastes is strictly prohibited. e) Paperless office • The Institute has reduced paper to a maximum extent by maintaining e-records which can save money, boost productivity, save space, make documentation and information sharing easier, keep personal information more secure, and help the environment. • The most important official information is communicated through department e-mail to Head of the Department. • Common notification to the faculty is communicated electronically f) Green landscaping with trees and

plants • The institute maintains very lovely vegetation by maintaining the trees in and around the campus for shade and health. • Maintains medicinal plant garden to save environment. • Events like Haritha Haram were organized by the College to plant trees in many occasions. Rain Water Harvesting • Water draining from the roofs, and surrounding areas of the college, is made to collect them and redirect to a deep pit, hence the ground water level sustains to serve even during peak summer. • The College is using the bore waters for drinking purpose by using RO purifier system on the roof and supplying potable water for the entire College. • TKREC has constructed 6 no's of rain harvesting pits in different areas to collect and store the water for long time and long term resource. • With the help of storing water it is made to supply water for drinking and plantation of the College, which will improve vegetation and save our environment. • There is enough open space and mud places available to harvest the rainwater. • The reason for rain harvesting is to h

## 7.2 – Best Practices

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

Best Practice 1 Teegala Krishna Reddy Engineering College (TKREC), plays a key role in inculcating engineering awareness among young minds of school students, based on their expectations. School students with a strong engineering mind creates opportunities to explore higher education. There is a curious engineer in every child and early college awareness is a key step to raise their aspirations to access opportunities. This noble act would have initiated a mass movement among school students towards engineering awareness to rightly plan their future career. Best Practice 2 Apart from academics TKREC provides opportunity for the students to be healthy by taking part in various sport activities. The facilities in the campus that made many students of our institute to represent various teams in University level, state level and national level is listed below. OUT DOOR: 1) Cricket Ground (Flood lights) - 1 2) Cricket Practice Nets - 6 3) Volley Ball Court (Flood lights) - 1 4) Throw Ball Court - 1 5) Kabaddi Court - 1 6) Basket Ball Court - 1 7) Shuttle Badminton Court - 1 INDOOR : 1) Table Tennis Boards - 4 2) Billiards Tables - 2 3) Chess Boards - 15 4) Caroms Boards - 9 5) Multi Purpose Gym - 1

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

https://tkrec.ac.in/wp-content/uploads/2018/08/7.2-best-practice-1-sports.pdf

## 7.3 – Institutional Distinctiveness

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

Teegala Krishna Reddy Engineering College (TKREC) is having a proven track record in placements. Our Graduates are attracting good number of Organizations both from IT sector and Core Sectors. At TKR, we always believe in equipping our students with the right talent and personality to face the industry requirements. Our focus on placement centers on creating new approaches to attract the best from the industry to our campus. At TKR, Placement time is not a mere annual ritual it is a time for showcasing the very best in our young engineers to the industrial world. The Placement Training Cell functions with the primary aim of placing students in top-notch companies even before they have completed their courses. The Placement Training cell goes all out to train the students to meet the high industry expectations.

Provide the weblink of the institution

https://tkrec.ac.in/

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

Teegala Krishna Reddy Engineering College (TKREC), has initiated and implementing various activities, to enhance quality in the diverse facets of academics, co-curricular and extracurricular activities, in addition to keen intension, for the faculty development. In view of vision, mission and primary values, TKREC has envisioned for the following towards quality enhancement in the fourth coming year • Planned for obtaining autonomous status to impart academic flexibility towards recent developments. • Planned to conduct and support faculty development activities for enriching the expertise of faculties. • Planned to counsel the faculty members who are not having much publications and make them to improve research articles in Web of Science and Scopus indexed journals with high citation index. • Planned to focus more on innovation and skill development for enhancing employability of students. • Planned to encourage Institution Innovation Cell to organize many more activities such as workshops, guest lectures, innovative idea competitions and contests where, students will showcase their skills and talents through active participation and involvement in those activities. • Planned to encourage and support more number of students to take up online skill development courses (NPTEL, SWAYAM, COURSERA, etc.), internships and industry sponsored projects to improve interaction with industries.