# YEARLY STATUS REPORT - 2020-2021

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1.Name of the Institution** | **Tulsiramji Gaikwad-Patil College of Engineering and Technology Nagpur** |
| • Name of the Head of the institution | **Dr. Geeta Padole** |
| • Designation | **Principal** |
| • Does the institution function from its own campus? | **Yes** |
| • Phone no./Alternate phone no. | **07126648252** |
| • Mobile no | **9763711372** |
| • Registered e-mail | **principal@tgpcet.com** |
| • Alternate e-mail | **deepta21@rediffmail.com** |
| • Address | **Khasara No. 8/1, PSK -74, Mohgaon, Wardha Road Nagpur** |
| • City/Town | **Nagpur** |
| • State/UT | **Maharashtra** |
| • Pin Code | **441108** |

## 2.Institutional status

| | |
|---|---|
| • Affiliated /Constituent | **Affiliated** |
| • Type of Institution | **Co-education** |
| • Location | **Urban** |
| • Financial Status | **Self-financing** |
| • Name of the Affiliating University | **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** |
| • Name of the IQAC Coordinator | **Dr. Prashant V Thakre** |
| • Phone No. | 07126648252 |
| • Alternate phone No. | 9881015375 |
| • Mobile | 9763711372 |
| • IQAC e-mail address | **iqac@tgpcet.com** |
| • Alternate Email address | **principal@tgpcet.com** |
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | **http://www.tgpcet.com/** |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | **http://www.tgpcet.com/** |

## 5.Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|---|---|---|---|---|---|
| **Cycle 1** | **A+** | **3.32** | **2021** | **22/02/2021** | **21/02/2026** |

| | |
|---|---|
| **6.Date of Establishment of IQAC** | **27/10/2014** |

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

| Institutional/Department | Scheme | Funding | Year of award with | Amount |
|---|---|---|---|---|

| /Faculty | | Agency | duration | |
|---|---|---|---|---|
| Institutional | SPICES | AICTE | 2021 | 100000 |

| 8.Whether composition of IQAC as per latest NAAC guidelines | Yes |
|---|---|
| • Upload latest notification of formation of IQAC | **View File** |

| 9.No. of IQAC meetings held during the year | 02 |
|---|---|
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | Yes |
| • If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded |

| 10.Whether IQAC received funding from any of the funding agency to support its activities during the year? | No |
|---|---|
| • If yes, mention the amount | |

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

•Initiated and completed the pending syllabus in the even semester of academic year 2019-20 and conduct of internal examinations online mode to handle the pandemic situation. • Provision of free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during the lockdown period was initiated and succeeded in getting fruitful results. • Provision of Hardware and Software facilities to conduct the class work for 2020-21 academic year through online mode was initiated. • Provision of precautions/measures in the campus against COVID19 unlock was initiated. • Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan.

**12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

| Plan of Action | Achievements/Outcomes |
|---|---|
| Submission of proposal for getting autonomy status | Successfully submitted the proposal of autonomy |
| Introducing Value added and certificate courses courses | The courses were introduced in order to enhance the skills of students |
| Sending proposal to various | Successfully send the proposal to |

| funding agencies | AICTE, DST |
| Conducting skill development program for faculties | Successfully conducted skill development program |
| organizing e conference | Successfully organized e conference |

| 13.Whether the AQAR was placed before statutory body? | Yes |

- Name of the statutory body

| Name | Date of meeting(s) |
| --- | --- |
| College Development Committee (CDC) | 12/02/2020 |

**14.Whether institutional data submitted to AISHE**

| Year | Date of Submission |
| --- | --- |
| 2020-21 | 16/02/2022 |

# Extended Profile

## 1.Programme

| 1.1<br><br>Number of courses offered by the institution across all programs during the year | 14 |

| File Description | Documents |
| --- | --- |
| Data Template | [View File](#) |

## 2.Student

| 2.1<br><br>Number of students during the year | 2345 |

| File Description | Documents |
| --- | --- |
| Institutional Data in Prescribed Format | [View File](#) |

| 2.2<br><br>Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | SC-445,ST-92,OBC-499,SBC-55,VJNT-131 |

| File Description | Documents |
| --- | --- |
| Data Template | [View File](#) |

| 2.3 <br><br> Number of outgoing/ final year students during the year | 611 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

## 3.Academic

| 3.1 <br><br> Number of full time teachers during the year | 3.1A-192, 3.1B-27 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 3.2 <br><br> Number of sanctioned posts during the year | 171 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

## 4.Institution

| 4.1 <br><br> Total number of Classrooms and Seminar halls | Classrooms-53,ICT Classroom-31,Seminar Hall-07 |
|---|---|
| 4.2 <br><br> Total expenditure excluding salary during the year (INR in lakhs) | 24270137.10 (242.70137 lakhs) |
| 4.3 <br><br> Total number of computers on campus for academic purposes | 484 |

# Part B

## CURRICULAR ASPECTS

### 1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) is affiliated to RashtrasantTukadoji Maharaj Nagpur

University (RTMNU), Nagpur and the curriculum and syllabi framed by theUniversity is being followed for all UG and PG programs

Academic Calendar

Institution calendar is prepared at the commencement of each semester including working days, government and local holidays, and schedule of Internal Assessment and University examinations.Department calendar is prepared and aligned with the Institution calendar and it includes activitiesof departments such as guest lectures, seminars, workshops, symposiums, conferences, activities ofvarious forums and cells, industrial visits/training, value added courses, certificate courses etc.

Quality of Classroom teaching

Quality of the class room teaching depends on content delivery, interaction, discussion, examples,applications and usage of modern ICT tools. The role of the teachers is significant not only with contentsbut also with inspirational engagement of the students through various instructional methods andpedagogical initiatives.

Instructional methods and pedagogical initiatives

Institution practices Outcome Based Education (OBE) while planning and delivering the content.The faculty members will prepare the course plan based on the academic calendar to complete thesyllabus as per the frame work.Various Innovative Teaching & Learning methodologies are adopted by the faculty members tocreate the best learning environment for students. Teaching and Learning methodologies includetraditional (Chalk and talk) and technology enabled methods.Video lecturing is provided by faculty members to explain the real-world problem with industrialillustrations, design issues etc. Faculty members prepare the e-materials for the benefits of students.Faculty demonstrates static & working models, simulations, animations and implemented projectsin the department.

Lectures by experts (industrialists/academicians) are arranged to deliver the content beyondsyllabus for knowledge enhancement and value-added courses have been organized for bridging thegap between Industry and Academia.Tutorials/ E-learning classes are practiced for participative learning with peer group concept.Assignments are given to improve the knowledge beyond the syllabus. Group Discussions andbrain storming are encouraged for participative learningLaboratory practices are mandatory to have hands-on experience.The students are motivated to do research work and present papers inseminars/conferences/journals.

The students are encouraged to visit well stocked library with reference books and magazine for theknowledge enhancement.Monitoring system for curricular deliveryHODs and, IQAC coordinator are regularly monitoring the delivery of curriculum. Formal andinformal

feedbacks have been taken from the students in a regular interval to monitor coursedelivery and syllabus completion.The teaching faculty is entrusted with the task of mentoring 15-20 students on academic andpersonal issues. The teachers frequently meet the students and under Teacher-Guardian schemecontact the parents and endeavor to ascertain the problems the students are confronted withOBE is adopted for the effective delivery of the curriculum; Question papers are designed to assess the attainments of the COs.DQAC regularly monitors the quality in curricular delivery.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |
| Link for Additional information | Nil |

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

**Academic Calendar**

Institution calendar is prepared at the commencement of each semester including working days, government and local holidays, and schedule of Internal Assessment and University examinations. Department calendar is prepared and aligned with the Institution calendar and it includes activities of departments such as guest lectures, seminars, workshops, symposiums, conferences, activities of various forums and cells, industrial visits/training, value added courses, certificate courses etc

**Teaching Learning Process**

Quality of the class room teaching depends on content delivery, interaction, discussion, examples, applications and usage of modern ICT tools. The role of the teachers is significant not only with contents but also with inspirational engagement of the students through various instructional methods and pedagogical initiatives.

Institution practices Outcome Based Education (OBE) while planning and delivering the content. The faculty members will prepare the course plan based on the academic calendar to complete the syllabus as per the frame work. Various Innovative Teaching & Learning methodologies are adopted by the faculty members to create the best learning environment for students. Teaching and Learning methodologies include traditional (Chalk and talk) and technology enabled methods. Video lecturing is provided by faculty members to explain the real-world problem with industrial illustrations, design issues etc. Faculty members prepare the e-materials for the benefits of students. Faculty demonstrates static & working models, simulations, animations and implemented projects in the department.

Lectures by experts (industrialists/academicians) are arranged to deliver the content beyond syllabus for knowledge enhancement and

value-added courses have been organized for bridging the gap between Industry and Academia. Tutorials/ E-learning classes are practiced for participative learning with peer group concept. Assignments are given to improve the knowledge beyond the syllabus. Group Discussions and brain storming are encouraged for participative learning Laboratory practices are mandatory to have hands-on experience. The students are motivated to do research work and present papers in seminars/conferences/journals.

The students are encouraged to visit well stocked library with reference books and magazine for the knowledge enhancement. Monitoring system for curricular delivery HODs and, IQAC coordinator are regularly monitoring the delivery of curriculum. Formal and informal feedbacks have been taken from the students in a regular interval to monitor course delivery and syllabus completion. The teaching faculty is entrusted with the task of mentoring 15-20 students on academic and personal issues. The teachers frequently meet the students and under Teacher-Guardian scheme contact the parents and endeavor to ascertain the problems the students are confronted with OBE is adopted for the effective delivery of the curriculum; Question papers are designed to assess the attainments of the COs. DQAC regularly monitors the quality in curricular delivery.

| File Description | Documents |
|---|---|
| Upload relevant supporting document | **View File** |
| Link for Additional information | **Nil** |

| 1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.  Academic council/BoS of Affiliating University  Setting of question papers for UG/PG programs  Design and Development of Curriculum for Add on/ certificate/ Diploma Courses  Assessment /evaluation process of the affiliating University | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Details of participation of teachers in various bodies/activities provided as a response to the metric | **View File** |
| Any additional information | **View File** |

## 1.2 - Academic Flexibility

## 1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

## 1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

23

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Minutes of relevant Academic Council/ BOS meetings | **No File Uploaded** |
| Institutional data in prescribed format (Data Template) | **View File** |

## 1.2.2 - Number of Add on /Certificate programs offered during the year

## 1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

10

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Brochure or any other document relating to Add on /Certificate programs | **No File Uploaded** |
| List of Add on /Certificate programs (Data Template ) | **View File** |

## 1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

267

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | **View File** |

## 1.3 - Curriculum Enrichment

### 1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

**The Institute takes all measures to enrich the curriculum through activities which are diverse and cater to the cross-cutting issues relevant to sustainable environment, gender equality, human values and professional ethics for addressing the economic, social and environmental challenges of globalisation. The students of TGPCET are moulded as responsible Engineers by creating awareness and addressing the societal and generic needs. Along with a standardized learning plan, the curriculum is enriched by including the courses**

like Gender Sensitization, Environmental Studies etc, Samples of courses offered to the students for enhancing the knowledge in the above aspects.

## Gender Equality

The institution has formed a "Women Grievance Redressal Cell" with one of the senior woman faculty members as convener and other faculties as members. This committee provides an exclusive platform to women employees and girl students to discuss their grievances. It develops welfare schemes for them and establishes self-esteem and respect for women without any gender bias. It organizes special programs to empower them with their basic rights. Institute gives equal importance to all for all of its activities.

## Environment & Sustainability:

Apart from the curricular courses activities are conducted through NSS and department level committees to Create awareness on environmental issues and its sustainability to society. The Institution has implemented rain water harvesting system. More than 80% of the students and faculty members are using college buses for conveyance

The College has formed an Anti-Ragging Committee with the Principal as the Chairman. This Committee effectively controls ragging, which is violation of fundamental human values and rights. At the beginning of every year, this Committee forms an Anti-Ragging Squad for the control of ragging. The squad members are posted at the crowded areas of the college campus to prevent the newly admitted students from being ragged. A Hostel Committee is formed to educate the students by peer group and avoid ragging menace. These activities control the unpleasant incidents arising from ragging and because of this the college campus is declared as a Ragging-Free Campus.

## Professional Ethics

The students are trained to use the professional knowledge to face the public. Students are capable of making judgments, applying their skills, and reaching considered decisions in situations that the general public cannot do because they have not attained the necessary knowledge and skills. The Elegance Cell also trains the students on these soft skills through various courses.

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | **View File** |

## 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Programme / Curriculum/ Syllabus of the courses | **View File** |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | **View File** |
| MoU's with relevant organizations for these courses, if any | **View File** |
| Institutional Data in Prescribed Format | **View File** |

## 1.3.3 - Number of students undertaking project work/field work/ internships

94

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | **View File** |

## 1.4 - Feedback System

| 1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | **Nil** |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | **View File** |
| Any additional information | **View File** |

| 1.4.2 - Feedback process of the Institution may be classified as follows | **C. Feedback collected and analyzed** |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |

| URL for feedback report | **Nil** |
|---|---|

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

### 2.1.1 - Enrolment Number Number of students admitted during the year

### 2.1.1.1 - Number of students admitted during the year

**616**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Institutional data in prescribed format | **View File** |

### 2.1.2 - Number of seats filled against seats reserved for various categories (SC,  ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year  (exclusive of supernumerary seats)

### 2.1.2.1 - Number of actual students admitted from the reserved categories during the year

**451**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of seats filled against seats reserved (Data Template) | **View File** |

### 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

**The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners.The student is assessed by considering the attendance, observation report, record note books on continuous basis.Departments draw up the schedule for organising remedial classes for slow learners. Other class tests such as re-test and unit test are also conducted for slow learner and/or absent students in genuine case.• Assignments to be given to Slow learners • Frequently ask Quesion to the slow learner so that they involve and improve for learning throgh lectures. Advanced learners are encouraged to ask their concern freely and frequently with the teachers, in a formal way. Students are encouraged to refer advanced textbooks, journals and for their advanced studies. Home assignment and projects are taken prepared from the Students. They are also encouraged to apply for different competitive examinations. They are motivated to participate in seminar presentation, Poster presentation, quiz competition, debates etc**

| File Description | Documents |
|---|---|
| Paste link for additional information | **www.tgpcet.com** |
| Upload any additional information | **No File Uploaded** |

## 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

| Number of Students | Number of Teachers |
|---|---|
| **2345** | **169** |

| File Description | Documents |
|---|---|
| Any additional information | **View File** |

## 2.3 - Teaching- Learning Process

### 2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

**Institute adopted students centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Role Plays, Team works, Debates, Seminar Quizzes and case studies Specifically Students centric Teaching Methods are reflected in project work, Field Visit, Industrial visit& guest lectures. Specifically the students centric methodology include**

**1. Experiential Learning**

**1.1.1 Project work**

**   Project work is organized in two phases**

**1)Mini project and**

**2)Major Projects this is an essential element of each programme**

**   Internship or Field Projects in industry**

**1.2 Participation in competition at various level**

**   For Real time exposure students are encouraged to participated at National and International Level**

**1.3 Field Visits**

**   Faculty identifies and propose Academically significant Field visits and Surveys**

**1.4 Industrial Visits**

**   Departments Plan and Organise the industrial visits for students to provide exposure to industrial work culture.**

## 1.5 Guest Lecture

Guest lecture by eminent experts from industry and academics from across the world are organised to supplement the teaching process and provide experiential learning.

## 2. Participated Learning

## 2.1 Role play

Teachers adopt role play method especially in management and PG Technical courses to supplement Teaching by way of participative learning

## 2.2 Team work

All Departments organize students activities to promote the spirit of Team work The activities and Camp of NSS, institutional social responsibility through Red Cross ,Village Adoption, Tree plantation . Swatchh Bharat and Health awareness camp to help the students t to learn Art of living in a team for Social and community welfare.

## 2.3 Debates

Debates: Debates are followed in many of the subjects where students are required to come with different opinions, thought processes thus the learning process gets justified in the argue-mental way of learning.

## 2.4 Group work

Practicals and workshops in all individual and group work under the guidance of teachers are also conducted. 3. Problem solving Methodology

## 3.1 Case studies

Case study method is adopted in teaching learning process to make the students have logical thinking and practical knowledge to develop problem solving ability. This is commonly adopted in management programmes as well as while teaching Business law, cyber laws etc.

## 3.2. Analysis and Reasoning

All questions in examination are based on analysis and reasoning.

Free internet access in the library and wifi facilities in campus promotes the habit of self learning and discussion. 3.3 Discussion

University follows the discussions methods in many of the subjects as it makes the students to think wide and participate in coming up with the opinions & suggestions to check their current knowledge.

**Discussions are held basically in soft skills, managerial communications, business adoptions etc.**

**3.4 Quizzes**

**Quizzes are conducted by subject teachers in all UG and PG programmes.**

**3.5 Research Activities**

**Research activities are conducted in each Department under the guidance of senior faculty where the students of different semester get knowledge about emerging area and help them to promote in Research aptitude.**

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Link for additional information | **www.tgpcet.com** |

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

**It is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning. College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the InstituteICT Tools:**

**1. Projectors- projectors are available in different classrooms/labs**

**2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.**

**3. Printers- They are installed at Labs, HOD Cabins and all prominent places.**

**4. Scanners- Multifunction printers are available at all prominent places.**

**6. Seminar Rooms- Three seminar halls are equipped with all digital facilities.**

**7. Smart Board- One smart board is installed in the campus.**

**8. Auditorium- It is digitally equipped with mike, projector, cameras and computer system.**

**9. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom)**

11. MOOC Platform (NPTEL, Coursera, )

12. Digital Library resources

Use of ICT By Faculty

A. PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors. They are also equipped by digital library, online search engines and websites to prepare effective presentations.

B. Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

C. Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.

D. Video Conferencing- Students are counseled with the help of Zoom / Google meet applications.

E. Video lecture- Recording of video lectures is made available to students for long term learning and future referencing.

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | **No File Uploaded** |

## 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

## 2.3.3.1 - Number of mentors

169

| File Description | Documents |
|---|---|
| Upload, number of students enrolled and full time teachers on roll | **View File** |
| Circulars pertaining to assigning mentors to mentees | **No File Uploaded** |
| Mentor/mentee ratio | **View File** |

## 2.4 - Teacher Profile and Quality

## 2.4.1 - Number of full time teachers against sanctioned posts during the year

169

| File Description | Documents |
|---|---|
| Full time teachers and sanctioned posts for year (Data Template) | **View File** |
| Any additional information | **No File Uploaded** |

| List of the faculty members authenticated by the Head of HEI | No File Uploaded |
|---|---|

## 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

## 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

11

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template) | **View File** |

## 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

## 2.4.3.1 - Total experience of full-time teachers

829

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | **View File** |

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

One unit test and one model exam in theory subjects and one model examination in case of practical are conducted in each semester. Two Assignments in theory subject and 8 to 9 Assignments are given for Practical subject. The course in-charge carries out internal assessment of subjects based on internal test performance marks / grade received in Examination and assignments. Continuous evaluation procedure is followed for practical subjects. Effective implementation of evaluation reforms of the university are strictly followed. The college has initiated its own evaluation reforms for strict compliance. The process and procedure devised/ suggested by the university are followed. The continuous evaluation system at Institute level is in effect. The evaluation reforms in tutorial and mid-semester are implemented and results are declared within eight days. The students can see their evaluated answer sheets and discuss the same with concerned faculty. Students can prefer appeal for Grievance within 3 days. The students are taken for site visits. On

the basis of internal external Viva-voce continuous evaluation process is done. All the data are collected and stored in digital format for recovery/reference purpose. The students participate in seminar, practical training and thesis project is jointly evaluated by external and internalexaminers. The evaluation steps are as follows: The faculty monitor attendance and marks of the students periodically. The Institute appoints examiners for the practical examinations and viva voce examinations as per the University directives The Institute sends its faculty members as examiners to evaluate semester answer scripts to the affiliating University. The regulations contain the details of the evaluation process. During the Induction program the newly admitted students are updated about the attendance requirements as well as the passing marks requirements and the grading systems for the internal assessments. Whenever the students are in doubt, they are encouraged to approach the faculty to discuss and seek clarification of the doubts.

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| Link for additional information | Nil |

## 2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Institution adheres to the academic calendar for the conduction of continuous internal examination. The academic calendar of the Institution is prepared by the Principal in consultation with HODs before commencement of every semester. The academic calendar contains:- • Holidays • Schedule for internal exams • Last working day • Date of practical University examination • Institutional level functions Viz. College day, sports day etc. Based on the Institution academic calendar, department academic calendar is prepared by the HOD in consultation with faculty members. The department academic calendar contains:- • Schedule of internal exams • Seminars/workshops • Value added courses • Conferences • Revision The academic calendar is displayed on departmental notice boards. Based on the academic calendar each faculty member prepares teaching plan for theory and lab subjects. Subject loads is allocated to faculty members well in advance so that they could make the plans. The teaching plan includes: • Study material including question bank for students • Syllabus and delivery plan • Teaching pedagogy to be used for each content delivery • Assignments to be given to Slow learners • Plan of Continuous Internal Examination Each continuous internal examination is well planned by the examination cell of each department governed by the examination cell of the institution. Two internal exams are conducted per semester. Syllabus for each internal exam is clearly defined at the beginning of the semester and 3rd day from the subject examination.

| File Description | Documents |
|---|---|
| | |

| Any additional information | No File Uploaded |
|---|---|
| Link for additional information | Nil |

## 2.6 - Student Performance and Learning Outcomes

### 2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Programme and Course outcomes have been displayed on the insttutional website. The link for institutional website has been mentioned below.

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | www.tgpcet.com |
| Upload COs for all Programmes (exemplars from Glossary) | No File Uploaded |

### 2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of programme outcome and course outcome are ecaluated by the institute with the help of , classroom teching learning process,performance in leboratory,by attending guest lectures from experts of various fileds like industry , engineering institutions, industrial visit and participation in various activity ,competetions,extra curricularactivities .

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for Additional information | Nil |

### 2.6.3 - Pass percentage of Students during the year

### 2.6.3.1 - Total number of final year students who passed the university examination during the year

591

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | Nil |

## 2.7 - Student Satisfaction Survey

### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided

**as a weblink)**

**http://www.tgpcet.com/**

## RESEARCH, INNOVATIONS AND EXTENSION

**3.1 - Resource Mobilization for Research**

**3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

**3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

**1 lac**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| e-copies of the grant award letters for sponsored research projects /endowments | **No File Uploaded** |
| List of endowments / projects with details of grants(Data Template) | **View File** |

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**

**3.1.2.1 - Number of teachers recognized as research guides**

**4**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Institutional data in prescribed format | **View File** |

**3.1.3 - Number  of departments having Research projects funded by government and non government agencies during the year**

**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

**Nil**

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Supporting document from Funding Agency | **No File Uploaded** |
| Paste link to funding agency website | **Nil** |

**3.2 - Innovation Ecosystem**

### 3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute has created an ecosystem for innovation and other initiatives like creation and transfer of knowledge by establishing R&D Cell, IPR and Entrepreneurship Cell, Performance Appraisal System and MoU with external Agencies for creation and transfer of knowledge. The college has a Research and Development Cell to motivate the faculty members and provide mechanism for submission of minor and major research proposals to various funding agencies .

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

### 3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

### 3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

3

| File Description | Documents |
|---|---|
| Report of the event | No File Uploaded |
| Any additional information | No File Uploaded |
| List of workshops/seminars during last 5 years (Data Template) | **View File** |

### 3.3 - Research Publications and Awards

### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

11

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | Nil |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | No File Uploaded |
| Any additional information | No File Uploaded |

### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

25

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| List of research papers by title, author, department, name and year of publication (Data Template) | View File |

### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

4

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| List books and chapters edited volumes/ books published (Data Template) | View File |

### 3.4 - Extension Activities

### 3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Institute has carried out various activities in the neighbourhood community in order to sensitize students to social issues and for their holistic development. Institute has adopted five nearby villages where activities such as SWACH BHARAT ABHIYAN, UNNAT BHARAT ABHIYAN,activities under NSS are conducted such as 1)International Yoga Day 2)NSS Foundation Day 3)Constitution Day 4) Youth Day 5) Marathi Language Day, 6) National Science Day.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

### 3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

### 3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

00

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |

| Number of awards for extension activities in last 5 year (Data Template) | No File Uploaded |
|---|---|
| e-copy of the award letters | No File Uploaded |

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

**2**

| File Description | Documents |
|---|---|
| Reports of the event organized | No File Uploaded |
| Any additional information | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | **View File** |

**3.4.4 - Number of students participating in extension activities at 3.4.3. above during year**

**3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year**

**180**

| File Description | Documents |
|---|---|
| Report of the event | No File Uploaded |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | **View File** |

**3.5 - Collaboration**

**3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

**3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year**

**00**

| File Description | Documents |
|---|---|
| e-copies of related Document | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Details of Collaborative activities with institutions/industries for research, Faculty | **No File Uploaded** |

**3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**

**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

**10**

| File Description | Documents |
|---|---|
| e-Copies of the MoUs with institution./ industry/corporate houses | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Details of functional MoUs with institutions of national, international importance, other universities etc during the year | **View File** |

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

**4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning. viz., classrooms, laboratories, computing equipment etc.**

The Institute possesses a wholly self-contained campus comprising of requisite infrastructure, which acts as a facilitator for the effective delivery of our curriculum and thereby fulfilling AICTE norms completely. The Institute provides excellent infrastructure to students with a vibe for availing the best of facilities. The Institute has well planned & well designed area of around 5 acres with a built-up area of 22386 sq m. The aesthetically designed campus has ultramodern facilities with academic wings for each department ,administrative wings, laboratories, workshops, computer centre, spacious classrooms, well stocked library ,conference hall, medical centre, sports ground etc. The institute has total 53 ( Including Tutorials room ) classrooms with modern teaching aids thus providing detailed learning ambiance for students. The Institute maintains high standards of technical education by providing the wide array of high-class equipment's in total 79 laboratories of various departments which help students implement practical knowledge thus acting as an interface between students and industry.

The Institute patronizes a spirit of perpetual learning by rendering students' facilities like seminar halls one for each department. Well-equipped incubation centre to nurture new and small ideas by helping them to survive and grow through the difficult and vulnerable early stages of development in engineering and technology. It is our constant attempt to maintain pace with development needed for enriching personal and professional skills of students. The institute has developed well-equipped computer centre, CAD/CAM/CNC/SOM/HV lab and Entrepreneurship Development Cell, Industry-Institute Partnership Cell, R& D Cell. Amenities and facilities are well maintained which include lawn, ramp, and garden. CCTV surveillance at all strategic locations, generator back up, RO water purifier. Cafeteria is available in the institute.

Housekeeping unit takes care of maintain complete cleanliness in the Institute. Infrastructural maintenance, electrical maintenance, and garden maintenance is done on a routine basis keeping in view the benefits of students. First aid facilities, Fire extinguishers are available with each department on each floor as a precaution to avoid major haphazard. Proper checking, periodical inspection, suggestion box, feedback from students, alumni and parents are taken which help in up keeping and maintaining the conducive learning environment within the campus.

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for additional information | **Nil** |

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute possesses a wholly self-contained campus comprising of requisite infrastructure, which acts as a facilitator for the effective delivery of our curriculum and thereby fulfilling AICTE norms completely. The Institute provides excellent infrastructure to students with a vibe for availing the best of facilities. The Institute has well planned & well designed area of around 5 acres with a built-up area of 22386 sq m .The aesthetically designed campus has ultramodern facilities with academic wings for each department, Administrative wings, laboratories, workshops, computer centre, spacious classrooms, well stocked library, conference hall, medical centre, sports ground etc.

Sport Details :

The Institute is proactively involved in overall development of the students. Due importance is given to groom students in sports and cultural activities. In order to create atmosphere conducive to sports a sports Committee has been constituted. This committee monitors the sports activities.

There are facilities for Indoor and outdoor games. As the college has a big play ground the students play Cricket, Volleyball, Football, Kabaddi, Kho-Kho, Tennis etc. There is spacious hall for Indoor games which is availed of by students for Table-tennis, Chess and Carrom etc. There is also a section in the hall for yoga and meditation. There is room for music and in this room, there are musical instruments. The cultural activity is noteworthy. The students are trained in Indian classical dance and western dance. The students of the college evince their talents in cultural activities, competitions at University and State Level

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for additional information | **Nil** |

### 4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

**38**

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for additional information | **Nil** |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | **View File** |

### 4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

**242.70**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Upload audited utilization statements | **View File** |
| Upload Details of budget allocation, excluding salary during the year (Data Template | **View File** |

## 4.2 - Library as a Learning Resource

### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The Institute has well equipped, spacious library of carpet area 830 square meters with rich collection of engineering books including national, international journals, periodicals, and magazines. The

library is fully automated with Sack Info 2.5 software. The reading room facility is available for students.

The reading room is 164.sq.m with a seating capacity of 250 students. All the books are barcoded and bar-code laser scanners are used in circulation counter for book transaction.

A student approaches the counter for receiving a book; the book is searched by title or author. Students can access physically the stack area. The entry is made in Sack Info 2.5 software through student login and book is registered as issued in student's name.

The book is marked for a due date by putting stamp and entry is made manually in the register. Many copies of popular books are brought to make them available to as many students as possible. The books per student ratio are approximately 1:12. Each student can receive 04 books at a time and they have allocated library hours per week.

The college Central Library has various institutional memberships of prestigious libraries such as, DELNET membership for e-resources and e-Journals, National Digital Library and browsing centre with 15 internet connected computers in the library. Direct Accesses to online journals are made available for staff and students such as DELNET, National Digital Library to learn the latest research and developed techniques in engineering. Library facility is open to all students and faculty members and is continuously updated with latest books and journals. Book bank facility is available. The institute always strives to provide latest and best collection of books, journals, online sources to the students.

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for Additional Information | **Nil** |

| 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | **A. Any 4 or more of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | **View File** |

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to**

**journals/e- journals during the year (INR in Lakhs)**

242.70

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| Audited statements of accounts | View File |
| Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template) | View File |

**4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)**

**4.2.4.1 - Number of teachers and students using library per day over last one year**

535

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| Details of library usage by teachers and students | View File |

**4.3 - IT Infrastructure**

**4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

The college is having computers in 4:1 student to computer ratio exclusively for the students with LAN and Wi-Fi facilities, and licensed software as per curriculum requirements. The college is having language lab for improving communication skills of students in addition to computer centre. The college is having internet facility as per norms. A facility for e-content development is available the college campus is under the surveillance of CCTV cameras. The institute has maintenance cell with well-planned and systematic procedure for maintenance of physical, academic and support facilities. Enough budget is allocated for the same. The equipment, furniture, computers and generator are well maintained. The college campus is lush green with well-maintained lawns, trees and plants.

The College premises, laboratories and corridors are under CCTV surveillance to ensure effective safety of the students. Internet is available to the students and staff on basis of 24x7 and systems are protected with firewall and antivirus software. Hostel students can avail WiFi facility around the campus after getting permission from authorities

Institute has always eagerly taken an initiative to upgrade itself in providing IT facilities to students and faculty. With 100 computers in the year of establishment, the Institute now possesses 484 computers. The latest configuration of computer available in the

Institute is Core i3/i5 with RAM 4 GB, 250GB HDD, HP Intel Core
i3/2100 CPU @ 3.10 GHZ processor. The institute has high end Apple
MAC OS Desktop Computer Laboratory. Each department has its own
computing facility. Around 300 computers are LAN connected. The
Institute has total 27 application software and 06 system
software's.

List of Licensed software's

Operating Systems

- C, C++ Compiler Licensed
- Windows 2007 Licensed
- Windows Server 2008 Licensed
- JDK Open Source
- Linux Open Source
- Solaris Open Source

Application Software's and Others

- MSDN Licensed
- IBM Rational Rose Licensed
- Oracle 11G Licensed
- MATLAB Licensed
- MS-OFFICE 2007 Licensed
- OrCAD Licensed
- SAP 2000 V-15 Licensed
- ETABS V-9.7.4 Licensed
- Tally 9.1 Licensed
- College Automation Software

Open-Source Software

- Apache Tomcat Server Open Source
- MYSQL Open Source
- Network Simulator Open Source
- Adobe Reader Open Source
- Net Framework Open Source
- 8086 Simulator Open Source
- Auto-CAD Open Source
- Stadd-PRO Open Source

Internet service is available in the institute for students and
faculty, with a bandwidth of 100 Mbps BSNL connections. The
institute has separate computer center with internet facility. All
the IT facilities are minutely looked upon by System Head, System
Admin, and Team of technicians. To synchronize syllabus with
industry institute uses open source

- JAVA Network Simulator
- Apache Tomcat Server
- NS2 Simulator

- **Adobe Reader**
- **Net Framework**
- **Simulator**

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for additional information | **Nil** |

## 4.3.2 - Number of Computers

**484**

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| List of Computers | **No File Uploaded** |

| 4.3.3 - Bandwidth of internet connection in the Institution | **A. ≥ 50MBPS** |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional Information | **View File** |
| Details of available bandwidth of internet connection in the Institution | **No File Uploaded** |

## 4.4 - Maintenance of Campus Infrastructure

### 4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

### 4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

**208.73**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Audited statements of accounts | **View File** |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | **View File** |

### 4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

**The Institute has all requisite infrastructures like class rooms, faculty rooms, girls' common room, boys common room, laboratories,**

Seminar Hall, Auditorium and library. Few slots are exclusively reserved in regular time table to ensure effective utilization of the facilities. Concerned faculty members ensure the presence of students & conduction of activities. The Institute has in-house maintenance team for maintenance of all Physical, Academic, and Support facilities such as building, electrical, plumbing, classrooms, laboratories, Sports complex and Library.

General maintenance team handles Electrical, plumbing and building related issues. Regular checkup of Electrical appliances is done by electrical maintenance staff and maintained with immediate actions. Plumbing related issues such as leakages/blockages are managed on time by Plumbing team. Regular infrastructure inspection helps find repairs/paints requirements and the team arranges for the same. The college has its own Diesel Generator set. It is brought in operation when electricity board discontinues electricity supply. The college has fire extinguishers. The Institute gives utmost importance to cleanliness and hygiene in campus. A team of housekeepers takes care of hygiene and cleanliness to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls, Laboratories, etc are cleaned and maintained on daily basis. The maintenance officer conducts periodic checks to ensure the efficiency/working condition of the infrastructure. Periodic maintenance checks by staff keep all facilities operational. A centralized Computer Center team maintains all software/hardware, CCTV & IT infrastructure related issues. Lab assistants under the supervision of the System Administrator maintain the efficiency of the college computers and accessories.

The non-teaching staff is also trained in maintenance of Laboratory and computer equipments. Parking facility is well organized. The campus maintenance is monitored through surveillance cameras. Proper inspection is done and verification of stock takes place at the end of every year Central library has its dedicated human resource and the departmental libraries are looked after e by the department office assistant and a faculty In-charge of the concerned department. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of Head of the Departments. Periodic reporting on requirements of repairs and maintenance are submitted by the HoDs to the Administrative office

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for additional information | **Nil** |

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

**5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

**5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

2099

| File Description | Documents |
|---|---|
| Upload self attested letter with the list of students sanctioned scholarship | **View File** |
| Upload any additional information | **No File Uploaded** |
| Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template) | **View File** |

**5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**

**5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year**

00

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Number of students benefited by scholarships and free ships institution / non-government agencies in last 5 years (Date Template) | **No File Uploaded** |

| 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Link to Institutional website | **www.tgpcet.com** |
| Any additional information | **No File Uploaded** |
| Details of capability building and skills enhancement initiatives (Data Template) | **View File** |

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

75

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and**

**career counseling offered by the institution during the year**

| 75 |
|---|

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | **View File** |

| 5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees | A. All of the above |
|---|---|

| File Description | Documents |
|---|---|
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | **View File** |
| Upload any additional information | **No File Uploaded** |
| Details of student grievances including sexual harassment and ragging cases | **No File Uploaded** |

**5.2 - Student Progression**

**5.2.1 - Number of placement of outgoing students during the year**

**5.2.1.1 - Number of outgoing students placed during the year**

| 314 |
|---|

| File Description | Documents |
|---|---|
| Self-attested list of students placed | **No File Uploaded** |
| Upload any additional information | **No File Uploaded** |
| Details of student placement during the year (Data Template) | **View File** |

**5.2.2 - Number of students progressing to higher education during the year**

**5.2.2.1 - Number of outgoing student progression to higher education**

| 5 |
|---|

| File Description | Documents |
|---|---|
| Upload supporting data for student/alumni | **View File** |
| Any additional information | **No File Uploaded** |
| Details of student progression to higher education | **View File** |

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

**1**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | **View File** |
| Any additional information | **View File** |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | **View File** |

**5.3 - Student Participation and Activities**

**5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year**

**5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

**Nil**

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | **No File Uploaded** |

**5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )**

The institute strongly believes that involvement of students is necessary for the overall progress of the institute. Institute encourages active participation of students through nomination by HODs and Principal. Through the selection process Coordinators from the students have been nominated on Cultural Committee and Sports Committee. These student committees actively work for different activities conducted in the institute. As per provision in The Maharashtra Public Universities Act,2016 the Students' Council is formed in college. The representative of the students' council of the college participates in the students' council at university level. It is pertinent to mention that the President and Secretary of the Students' Council of the college are the members of College Development Committee constituted as per provision in The Maharashtra Public Universities Act, 2016. Besides students' council which is mainly responsible for organization of various activities in the college the college has constituted following academic and administrative committees which have students' representatives:- Anti-ragging Committee – It prohibits any sort of ragging in the college premises. Women's Grievances Committee – It addresses the grievances of women. Sports Committee – Organizes college level sports tournaments, sends college teams for participation in inter-collegiate, university, state and national level sports tournaments. Cultural Committee – It organizes cultural program in the college and ensures representation of the college in culturalevents organized at inter-collegiate, university, state and national level cultural events. NSS Committee – It organizes NSS activities of the college. E- Magazine Committee – It prepares and publishes the E-Magazine containing information of the various activities conducted in the college. Career Guidance Committee – It is involved in guiding the students as regards their career. Student Forum in each Department – The co-curricular activities is organized under the aegis of this committee. Canteen Committee – It ensures that delicious and hygienic food is provided to students and employees.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | **View File** |

## 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

## 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

00

| File Description | Documents |
|---|---|
| Report of the event | No File Uploaded |
| Upload any additional information | No File |

| | Uploaded |
|---|---|
| Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template) | No File Uploaded |

## 5.4 - Alumni Engagement

### 5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The College has established Alumni Association. The Alumni Association is registered under Societies Registration Act 1860 and bears number MAH 701/14. Alumni Association meetings with Management and staff are periodically conducted in the college and at other important places including Pune. It functions effectively. The Alumni who have acquired high positions in several fields of life , who have become industrialist, who have experience and expertise to their credit, who have placed significant role in society are invited to college to deliver lectures and motivate students and provide counselling to students for seeking career opportunities. Institute along with alumni discuss with other stake holders on various matters and academic performance and the alumni feedback is obtained for improvement in quality. On the basis of feedback obtained from alumni, the college modifies and updates all the academic activities and all other programmes related to the current students. The financial assistance is contributed for the welfare of students such as gifts for rank holder students and achievers. Initiatives have been taken recently by Principal to attract Alumni to come forward to conduct campus interviews from corporate sectors, IT companies and other organizations for providing job opportunities and placement of current students. In terms of money the Alumni Association of the college in the years 2019-20 has contributed the sum of Rs. 85500 (Eighty five thousand and five hundred only)

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

| 5.4.2 - Alumni contribution during the year (INR in Lakhs) | E. <1Lakhs |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

#### 6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Our vision and the mission are as follows:

Vision

To make exemplary contribution to the progress and future of our country by enhancing the capabilities of our youth, by imparting world class education and training in science, technology and management; empowering them to seek and offer solutions to challenges faced by their brethren locally as well as globally.

Mission

To impart world class education and training to our students by offering state-of-art to undergraduate, postgraduate and doctoral programs.

To develop dynamic engineers and managers comparable to the best in the world and capable of taking leadership role in future.

To generate new knowledge by developing cutting-edge research and world class scholarship, to effectively contribute to the future of country and global community.

CORE VALUES

Technology Based Education: The college is aware of usefulness of Technology in dissemination of knowledge and therefore encourages to provide Technology based Education.

Industry Interaction: The students of the college have to work in industry after completion of academic pursuit and therefore efforts are made to establish industry interaction for the students.

Excellence: Excellence in action is the motto of the college and therefore the college imparts education in such a manner that there shall be excellence in action of the students.

Social Awareness: after the completion of academic pursuits the students have to live in and for the society. They belong to the society and they towed to the society .The college inculcates social awareness in the students.

Freedom of Thought and Expression: Freedom of thought and expression is one of the fundamental rights provided by the constitution of India .The college encourages the students to think about all aspects of life , form their thoughts and express the thought freely without fair of anybody.

To establish and nurture long term symbiotic relationship with industry and institutions of higher learning within and outside our country in generating solutions for current and future issues of concerns.

To develop potential of all our stakeholders to its fullest extent and empower them to actualize it.

The governance of the institution is reflective:

The empowered team of the college involves Principal, convener of different committees, Teaching-staff, IQAC committee, non-teaching and supporting staff, student's union, student representative (C.R.), stakeholders, alumni and local management committee . The principal monitors the mechanism regarding administration and academic process. It also ensures proper functioning of the policies, rules and action-plans of the college. There are many committees to support the vision and mission of the college. For example, these are Examination cell, NSS,counseling cell, library and sports committee, cultural and literacy committee, internal examination committee, antiragging committee, college-magazine committee, UGC committee, disciplinary committee, scholarship committee, grievance redressal committee, etc. All the committees take its responsibility for the plans and activities, and successfully tackles these responsibilities in every academic session.For academic performance meetings with HoD's and faculty of various departments is done. Also, the teaching-progress is checked monthly by teaching register and by regular feedback process.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

**6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.**

A number of best practices have been explored and implemented, and have been found to have a positive impact upon the all-round performance of students and the Institute.

Amongst the several practices, most prominent are

(I) E-Management: for effectiveness and Transparency.

(II) Green Initiative,

(III) Creation of Awareness among Faculty and Students about their social responsibility.

The Institute is highly distinctive in Integrated Diversified Techno Values, as we have Students from states like MP,UP,CG,Bihar, JK and country like Nepal etc. The high levels of different Ethical and Cultural Values, the Students are executing various services to the benefit of the local village.

| File Description | Documents |
|---|---|

| Paste link for additional information | Nil |
|---|---|
| Upload any additional information | No File Uploaded |

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

**Admission of Students**

The Admission Committee of our College, comprising our Principal and senior faculty members as well as a few senior non-teaching staff members work tirelessly to ensure fair and hassle-free admission of students. With the entire admission procedure being online, the students too feel convenient to monitor the process themselves, without having to move physically from one college to the other. The eligibility criteria for general students and special category students are as per state Govt. norms. The college has been carrying out the students admission procedure with the use of Smart College software, where the online support for the same is provided by the institutions website developer.

**Industry Interaction / Collaboration**

The institute has industry collaborative laboratories in Electrical and Mechanical Engg. Each department has industry person in their advisory board. The institute has constituted IQAC Cell and it has Industry representatives for suggestions with regards to curriculum development and other academic activities. Our training placement cell continuously strives for networking with industries for placements internships. The Institute has signed MOU with many reputed companies within and nearby Nagpur city. These MOUS are signed for mutual benefits, mainly for valueadded courses, Certification courses, internships, incubation centres and projects. Guest lectures are arranged on current topics every semester for the benefit of the students. Every department conducts seminars inviting eminent persons from other states.

**Human Resource Management**

Teaching faculty requirement is decided as per AICTE student faculty ratio. The cadre ratio is also as per AICTE norms. The non-teaching staff requirement is at the discretion of the management to meet the needs of departments. Faculties are provided paid leaves for attending workshops, paper presentation etc. A modern language laboratory and computer lab is established. Yoga training is provided as a regular activity to the interested staff members and students for enriching their physical, mental and social health. Minimum 2 Students from every class is nominated for NSS activities. Through NSS activities students and faculties are introduced with social connect and provide possible services to the society and for the conservation of nature. In-door and out-door sports facilities

are provided. Students are encouraged to participate in inter-collegiate sport activities.

## Library, ICT and Physical Infrastructure / Instrumentation

The Institute has library space in excess of AICTE norms with adequate seating capacity of about 250. We have about 21830 volumes 6451 titles. In addition, we are equipped with 12866 e-books also multimedia room. We also subscribe DELNET for erecourses. We have 32 ICT enabled classrooms, 7 seminar halls with state-of-the-art PA systems. We have 5 acres of land. We Have7 seminar halls with 90 seats 1 OPEN auditorium with 200 seats. The campus has 650 computers all LAN connected. The campus is wi-fi connected. The labs are state of the art with all modern equipment's. There are research labs and incubation centre for innovators.

## Research and Development

RD Cell of TGPCET is focusing on improving IPR activities. Accordingly RD cell has planned awareness workshop on patent search, patent drafting, and filling application. Also session on Copyrights, Trademarks etc are planned. To involve more students and faculty in innovation interdisciplinary projects are promoted. To improve on research publication all UG students are made compulsory to publish one paper based on their project. So also PG students are required to published 3 papers based on their projects. Faculties are encouraged to publish research papers in internationally reputed journals/conference. Suitable weightage is given to faculty in their APR. It is proposed to launch a GPGI Young Innovation award for motivating the students and increase involvement in innovation. RD cell also planning to work exhaustively to promote entrepreneurship among the students. For this we have proposed to extend their activities for incubating project ideas of students.

## Examination and Evaluation

We follow University examination scheme of 80:20 wherein 80 weightage is given to end semester exam 20 weightage is given to internal test. Three internal tests are conducted( Unit test, Mid Term test, and End Term test). Self learning is observed through Assignment. Peer learning is observed through Tutorials in the class. Seminars, Projects and Practicals are conducted regularly. The student is assessed by considering the attendance, observation report, record note books on continuous basis. Other class tests such as re-test and unit test are also conducted for slow learner and/or absent students in genuine case.

## Teaching and Learning

The college has always aimed at effective curriculum delivery through a wellplanned and documented teaching-learning process. We are following OBE methodologies and planning for applying for NBA

accreditation under Tier-II group institutions. Teaching plans are based on an academic calendar. Multimedia teaching aids and ICT supplement the teaching-learning process. We have devised new teaching pedagogies for different category of students. The faculty members identify the advanced learners. Promising students are encouraged to participate in a wide range of academic events, organized by the College or other institutions. Students Remedial System is followed for giving special coaching to slow learners. Teachers attend Orientation and refresher course for enriching their capabilities. Special lectures are organized, featuring faculty members and other experts from different institutions.

**Curriculum Development**

The institute is affiliated to the RTM Nagpur university, Nagpur, and therefore follows the syllabus designed by the University. However, the University representatives of our institute and other faculty members give inputs in the syllabus revision process. The Institution develops action plans for effective implementation of the curriculum. The teachers are allocated subjects based on their specialization and experience. Heads of the Department keep track of the progress by holding department level meetings periodically. University rules and regulations are strictly followed. The efficient functioning of the remedial system encourages the students to perform well in their studies.

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| Paste link for additional information | Nil |
| Upload any additional information | No File Uploaded |

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The institute strongly believes that involvement of students is necessary for the overall progressof the institute. Institute encourages active participation of students through nomination by HODsand Principal. Through the selection process Coordinators from the students have been nominated onCultural Committee and Sports Committee. These student committees actively work for differentactivities conducted in the institute. As per provision in The Maharashtra Public Universities Act,2016 the Students' Council is formed in college. The representative of the students' council of thecollege participates in the students' council at university level. It is pertinent to mention thatthe President and Secretary of the Students' Council of the college are the members of CollegeDevelopment Committee constituted as per provision in The Maharashtra Public Universities Act, 2016. Besides students' council which is mainly responsible for organization of various activitiesin the college the college has constituted following academic and

administrative committees whichhave students' representatives:- Anti-ragging Committee – It prohibits any sort of ragging in the college premises. Women's Grievances Committee – It addresses the grievances of women. SportsCommittee – Organizes college level sports tournaments, sends college teams for participation ininter-collegiate, university, state and national level sports tournaments. Cultural Committee – It organizes cultural program in the college and ensures representation of the college in culturalevents organized at inter-collegiate, university, state and national level cultural events. NSSCommittee – It organizes NSS activities of the college. E- Magazine Committee – It prepares andpublishes the E-Magazine containing information of the various activities conducted in the college.Career Guidance Committee – It is involved in guiding the students as regards their career. StudentForum in each Department – The co-curricular activities is organized under the aegis of thiscommittee. Canteen Committee – It ensures that delicious and hygienic food is provided to studentsand employees. The sevice rule of each staff members is maintained.

| File Description | Documents |
|---|---|
| Paste link for additional information | Nil |
| Link to Organogram of the institution webpage | Nil |
| Upload any additional information | No File Uploaded |

## 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | No File Uploaded |
| Screen shots of user inter faces | No File Uploaded |
| Any additional information | No File Uploaded |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institution has effective welfare measures for teaching and non-teaching staff

Teaching

1. **Group Insurance of Staff**

2. **Maternity Leave**

3. **Staff Loan**

4. **Staff Ward Concession**

5. **Leave for Higher Education**

6. **Bus Facility**

7. **Financial Assistance for Conference**

8. **Subsidized food in the canteen**

**Non-teaching**

1. **Group Insurance of Staff**

2. **Maternity Leave**

3. **Staff Loan**

4. **Staff Ward Concession**

5. **Leave for Higher Education**

6. **Bus Facility**

7. **Financial Assistance for Conference**

8. **Subsidized foodin the canteen**

**Students**

1. **Bus Facility**

2. **Book Bank Facility**

3. **Financial Assistance for Conference Project Competition**

4. **AICTE funded PRERANA scheme for GATE coaching**

5. **The institute conducts soft skill development, career counselling, and personal enhancement sessions to ensure the success in placement.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **View File** |

## 6.3.2 - Number of teachers provided with financial support to attend conferences/

**workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

**94**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | **View File** |

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

**16**

| File Description | Documents |
|---|---|
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | **No File Uploaded** |
| Reports of Academic Staff College or similar centers | **No File Uploaded** |
| Upload any additional information | **No File Uploaded** |
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | **View File** |

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)**

**6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

**124**

| File Description | Documents |
|---|---|
| IQAC report summary | **No File Uploaded** |
| Reports of the Human Resource Development Centres (UGCASC or other relevant centers) | **No File Uploaded** |

| Upload any additional information | **No File Uploaded** |
| --- | --- |
| Details of teachers attending professional development programmes during the year (Data Template) | **View File** |

## 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

**Performance appraisal policy of our instituteto ensure the performance-oriented work environment in the organization, it helps employees to achieve the set objects and act as a reward for their contribution in the progress of the organization. Institutemakes efforts to improve the academic training and research environment in its constituent colleges. This is achieved not only by improving the infrastructure facilities but also by using effective teaching and learning methodologies. To assess the success of the inputs given by the Constituent Colleges as well as the Academy, it is important to understand, whether the user of such facilities is indeed satisfied and getting the expected outcomes from the initiatives made.**

**In this direction, the Academy has structured an objective assessment mechanism with scope for improvement. The three-tier assessment involves:**

- **Self appraisal by the faculty**
- **Peer evaluation by the Department heads/ Principal/ external expert**
- **Student's feedback**

**The above assessment mechanism has resulted in the teaching staff understanding and getting acquainted about the following:**

- **Teaching style and abilities with the feedback from the peers and the students.**
- **Scope for improvement in teaching resources and methodologies**
- **The research outcomes and relevance of the work being done with the current developments in the respective fields.**

**The self assessment mechanism does not have any negative impact on the staff as he is provided with the opportunity to comment on the evaluation outcomes and give opportunity for improvement.**

**The Academy rewards and recognizes teachers commending them for their teaching approaches and research initiatives, which helps them to work with renewed zeal.**

**The works of the Non teaching staff are assessed periodically through a structured mechanism:**

- **Work efficiency and commitment.**
- **Initiative towards learning newer trends in their respective areas.**
- **Leadership and team work.**

- **Discipline and regularity**

**The non-teaching staff are periodically trained and also encouraged to pursue their higher studies.**

**The feedback had helped take the following decisions.**

- **Conduct of language and soft skill programme for non-teaching and administrative staff.**
- **Leadership training programme for senior faculty to identify the succession lines.**
- **Deputation of staff to various orientation programs relating government policies and rules concerning HR management and Education.**
- **Sensitize teachers and international students with regard to cultural issues and sensitivities.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

**The Institution conducts internal audit half yearly and external audit at the end of every financial year. Financial planning is exercised well in advance for the organization and efficient budgeting is done by involving the various Academic departments and Administrative sections of the Institution. Financial planning and review is done by Governing Body where Secretary and Treasurer are members. Internal audits are carried by internal audit committee (IAC) and external financial audits are regularly done by chartered accountants. The institutional mechanisms for internal and external audit are given below: The internal audit of accounts is carried out by Treasurer. The Internal auditor checks fee receipts and payment vouchers and necessary supporting documents.**

**Final report is submitted to the Governing Body during GBM for validation. The External audit is conducted at the end of financial year. The audit is carried out by chartered accountant (CA). During the internal audit the Treasurer raise objections, if any, related to finance and stock related records, giving an opportunity to the accounts to address and rectify the same. Queries in the audit will be reported to the account section and compliance is effected within a months' time. He also give necessary guidance for improvement in account maintenance. These measures ensure no further discrepancies**

**in the records that can be objected by the external auditors. Every Financial transaction is recorded through software.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

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

## 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

| File Description | Documents |
|---|---|
| Annual statements of accounts | **No File Uploaded** |
| Any additional information | **No File Uploaded** |
| Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template) | **No File Uploaded** |

## 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

**The Institution conducts internal audit half yearly and external audit at the end of everyfinancial year. Financial planning is exercised well in advance for the organization and efficientbudgeting is done by involving the various Academic departments and Administrative sections of theInstitution. Financial planning and review is done by Governing Body where Secretary and Treasurerare members. Internal audits are carried by internal audit committee (IAC) and external financialaudits are regularly done by chartered accountants. The institutional mechanisms for internal andexternal audit are given below: The internal audit of accounts is carried out by Treasurer. TheInternal auditor checks fee receipts and payment vouchers and necessary supporting documents.Final report is submitted to the Governing Body during GBM for validation. The External audit isconducted at the end of financial year. The audit is carried out by chartered accountant (CA).During the internal audit the Treasurer raise objections, if any, related to finance and stockrelated records, giving an opportunity to the accounts to address and rectify the same. Queries inthe audit will be reported to the account section and compliance is effected within a months'time. He also give necessary guidance for improvement in account maintenance. These measuresensure no further discrepancies in the records that can be objected by the external auditors.Every Financial transaction is recorded through software.**

| File Description | Documents |
|---|---|

| Paste link for additional information | Nil |
|---|---|
| Upload any additional information | No File Uploaded |

## 6.5 - Internal Quality Assurance System

| 6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes |
|---|

Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute.

Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.

Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes.

Dissemination of information on the various quality parameters of higher education.

Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.

Documentation of the various programmes/activities of the Institute, leading to quality improvement.

Acting as a nodal agency of the Institute for coordinating quality-related activities, including adoption and dissemination of good practices.

Development of Quality Culture in Institute.

Preparation of the Annual Quality Assurance Report (AQAR) of the Institute based on the quality parameters/assessment criteria developed by the relevant quality assurance body (like NAAC) in the prescribed format.

| File Description | Documents |
|---|---|
| Paste link for additional information | **http://www.tgpcet.com/IQAC.php** |
| Upload any additional information | No File Uploaded |

| 6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities |
|---|

IQAC being the central body within the college monitors and review the teaching-learning process regularly. Based on feedback various innovative activities and reforms were introduced. The improvements based on feedback implemented are:

A) IQAC periodically reviews the teaching-learning process, structures & methodologies of operations, and learning outcomes: The standard methods of teaching, learning, and evaluation which are proven over the years are being followed.

Academic Calendar: Based on the University Academic Calendar the Institute schedules the academic calendar well in advance at the start of the year with ample time frame for not only the regular teaching-learning process but also to accommodate the various events like seminar/ guest lecture/ workshops/ FDP's/ Hands-on-series and many more.

Preparation of lesson plan for each Semester: The lesson plan is prepared by the faculty members for all the subjects they teach in that particular semester. Enriching the curriculum with guest lectures, industrial visits, and Internships

Daily lecture Record: Everyday faculty prepare and submit details of the lecture along with the topic covered on an online portal.

Evaluation of teachers by students: The institution has a feedback system to evaluate the teachers by students. The regular evaluation of the teachers by the students, feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students. Director and management also monitor the feedback system and takes appropriate corrective actions.

Student learning outcomes: The institute monitors the performance of the students regularly. It has specified procedure to collect and analyse data on student learning outcomes; the following points are adopted by the institute in this context:

  Regular class tests and interactions

  Midterm and continuous evaluation comprising of internal tests, assignments, group discussions, and seminar presentations.

  Semester system of examination for all courses.

  Providing Question bank of various subjects to the students.

  Providing Lecture notes through an online portal

  Timely Redressal of students' grievances.

  At least 75% Attendance is compulsory in each semester.

  Extra classes for weak students to solve their problems.

Effective internal examination and evaluation systems: Institute maintains an effective internal examination and evaluation system.

**Students' result analysis: Institute has the provision of analysis of students' performance after the announcement of their semester results. If the result of the students, in a subject, is not found up to the mark, necessary steps are taken to find out the reasons and the concerned faculty members are counselled and motivated to work towards improvement.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **No File Uploaded** |

| 6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA) | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | **Nil** |
| Upload e-copies of the accreditations and certifications | **No File Uploaded** |
| Upload any additional information | **No File Uploaded** |
| Upload details of Quality assurance initiatives of the institution (Data Template) | **No File Uploaded** |

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

**7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year**

**Nil**

| File Description | Documents |
|---|---|
| Annual gender sensitization action plan | **Nil** |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | **Nil** |

**7.1.2 - The Institution has facilities for**

**alternate sources of energy and energy conservation measures   Solar energy            Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

| File Description | Documents |
|---|---|
| Geo tagged Photographs | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

## 7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

**Nil**

| File Description | Documents |
|---|---|
| Relevant documents like agreements / MoUs with Government and other approved agencies | **No File Uploaded** |
| Geo tagged photographs of the facilities | **No File Uploaded** |

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

| File Description | Documents |
|---|---|
| Geo tagged photos / videos of the facilities | No File Uploaded |
| Various policy documents / decisions circulated for implementation | No File Uploaded |
| Any other relevant documents | No File Uploaded |

## 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit   3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities**

| File Description | Documents |
|---|---|
| Reports on environment and energy audits submitted by the auditing agency | No File Uploaded |
| Certification by the auditing agency | No File Uploaded |
| Certificates of the awards received | No File Uploaded |
| Any other relevant information | No File Uploaded |

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment      5. Provision for enquiry and  information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | No File Uploaded |
| Policy documents and information brochures on the support to be | No File |

| provided | **Uploaded** |
| Details of the Software procured for providing the assistance | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

## 7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

**Nil**

| File Description | Documents |
| --- | --- |
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

## 7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

**The birth anniversary of SardarVallabhbhai Patel is being observed as 'RashtriyaEktaDiwas' (National Unity Day) on 31st October 2020. The occasion provides us an opportunity to re-affirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security of our country.**

**In keeping with the tradition, the National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology celebrated the National Unity Day on 31st October, 2020 in a befitting manner. The institute has taken online activity to observe the occasion, which includes the Pledge (Oath) taking ceremony for all students, teaching and non-teaching staff of the institute.Around 142 students, teaching and non-teaching staff of the institute has taken the pledge (oath)**

**The National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology organized a webinar on Health awareness and safety measures for pandemic COVID-19 in association with Sanjeevani Life Care Institute, Mumbai on 24th October, 2020. The Chief Guest for the webinar was Dr. Sukmi Begum, Senior Health Advisor.Around 61 students, teaching and non-teaching staff of the institute has taken the benefit of the webinar**

**TGPCET-NSS Unit has taken the initiative to plant more and more trees as trees are the real friend of human being. The tree plantation program was inaugurated at the hands of Dr. Mohan Gaikwad (Chairman, Gaikwad-Patil Group) at the institute on 15th August 2020. Around 89student volunteers along with faculties of TGPCET**

**planted the saplings in the college campus and taken an oath of planting and nurturing more and more number of trees**

**The National Service Scheme (NSS) unit of Gaikwad-Patil Group of Institution has celebrated the National Constitution Day. On the occasion Prof. Dr. ManoharNaik, Associate Professor at Principal ArunraoKalode College, Nagpur was the Chief Guest. He articulated the Preamble of Constitution and quoted it's importance in our life. He further added that the Our Constitution is a resolve to constitute India into a sovereign, socialist, secular democratic Republic. It is, in fact, a promise to the people for securing them socio-economic and political justice, liberty and equality; liberty of thought, expression, belief, faith and worship; equality of status and opportunity; and to promote among all – fraternity, assuring the dignity of the individual and the unity of the nation. Dr. B. R. Ambedkar, very clearly outlined the core expectations underlining the various commitments**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | **Nil** |
| Any other relevant information | **Nil** |

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

| File Description | Documents |
|---|---|
| Code of ethics policy document | **No File Uploaded** |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

**7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals**

The birth anniversary of SardarVallabhbhai Patel is being observed as 'RashtriyaEktaDiwas' (National Unity Day) on 31st October 2020. The occasion provides us an opportunity to re-affirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the unity, integrity and security of our country.

In keeping with the tradition, the National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology celebrated the National Unity Day on 31st October, 2020 in a befitting manner. The institute has taken online activity to observe the occasion, which includes the Pledge (Oath) taking ceremony for all students, teaching and non-teaching staff of the institute.Around 142 students, teaching and non-teaching staff of the institute has taken the pledge (oath)

The National Service Scheme (NSS) unit of Gaikwad-Patil Group of Institution has celebrated the National Constitution Day. On the occasion Prof. Dr. ManoharNaik, Associate Professor at Principal ArunraoKalode College, Nagpur was the Chief Guest. He articulated the Preamble of Constitution and quoted it's importance in our life. He further added that the Our Constitution is a resolve to constitute India into a sovereign, socialist, secular democratic Republic. It is, in fact, a promise to the people for securing them socio-economic and political justice, liberty and equality; liberty of thought, expression, belief, faith and worship; equality of status and opportunity; and to promote among all – fraternity, assuring the dignity of the individual and the unity of the nation. Dr. B. R. Ambedkar, very clearly outlined the core expectations underlining the various commitments

On the occasion of Death Anniversary of birth anniversary of Swami Vivekanand, the National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology organized one day workshop on "National Youth Day" for the students, teaching & non-teaching staff. In this event Hon'ble BK RakshaBahen, Rajyoga Teacher was the Chief Guest. At the moment, the team of Brahma Kumaris delivered the speech through online platform. In the occasion the chief guest spoke about the energy of youth and their need in nation building.

TGPCET-NSS Unit has taken the initiative to plant more and more trees as trees are the real friend of human being. The tree plantation program was inaugurated at the hands of Dr. Mohan Gaikwad (Chairman, Gaikwad-Patil Group) at the institute on 15th August 2020. Around 89student volunteers along with faculties of TGPCET planted the saplings in the college campus and taken an oath of planting and nurturing more and more number of trees.

| File Description | Documents |
| --- | --- |
| Annual report of the celebrations and commemorative events for the last | **View File** |

| (During the year) | |
|---|---|
| Geo tagged photographs of some of the events | **No File Uploaded** |
| Any other relevant information | **No File Uploaded** |

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

**1. Title of the Practice: E-Management: for effectiveness and Transparency. 2. Goal: To use Emanagement tools for effective: i. Teaching and Learning ii. Monitoring and Maintaining iii. Transparency 3. The Context: The use of information technology in management in any organization can augment the productivity and quality. The use of information technology in the domain of education can accord help to the students. The help is extended to the students by ready availability of subject resources, Time Tables, Performance, Attendance schedule related to all examinations and other programmes/activities. Moreover it offers transparency which is most important aspect of the management. Similarly e-management systems are extremely helpful in providing aids to the Members the teaching staff and it accords a great help to create a culture of transparency which is very significant and consequent for healthy and un-biased working atmosphere. 4. College has resorted to uses of information technology in management of several systems for the students, members of the teaching staff and the members of the non teaching staff through following practices: i. Website: a) Availability of complete information beginning from departments, courses and teachers including Main phone contacts. b) Complete details about the course structure, Syllabi, subject details, time table, the rules and regulations and the examination procedure. ii. Internet for effective dissemination of information and strong space (N: Drive) accessible to everybody, everywhere in the college campus. iii. Study material is available on college website for 24X7 referal iv. Web kiosk: Different persons and professional activities/ aspects related to the college can be entered and retrieved making the system transparent. These activities are related to a) Personal: salary of employees, details of benefits, kinds of leaves, attendance, details in case of emergency, and help in tax information. b) Teaching: student attendance, information about the students who bunk the classes, classroom booking. c) Examination: the Entry of marks, grade entry, result, invigilation duty. d) Counseling and mentoring: To view grades of the students and performance of the students by parents and teachers. e) Provide feedback: e.g. IQAC. 5. Evidence of success: the practice followed by College has led to the creation of healthy and transparent work culture. The transparency and dissemination of knowledge/information in easy manner through IT enabled system starting from the classroom experience to examination has accorded great help to the students**

and the parents concerned. The policy to view examination copies, mechanism to redress issues/ problems along with engagement has provided unbiased and effective mechanism. For employees the information about salaries, benefits kind of leave, income tax deduction, etc are available online. This type of transparency along with healthy policy for promotion and help in career advancement makes college an alluring place to work. College has good rate of faculty and staff retention. The confidence of faculty reposed in system has laid to long term thinking and planning. 6. Problems encountered and resources required: The change from paper work to paperless work is not easy. Since many years the employees have engaged themselves in traditional letter writing, report writing, etc. The mindset of the employees has been mandating them to resort to paper to express their opinions, views and remarks on paper only. Change from paper work to paperless works needs change in mindset. Moreover it is the matter of training. The senior employees traditionally involved in the paper work initially are reluctant to receive training to change to correspondence. College has senior as well as young and enthusiastic members of teaching and non teaching staff. Though it took time to change the mindset of the senior employees, with the passage of time, after learning the simplicity and effectiveness of new method gradually they shifted themselves to new methods. Now all employees in the college are able to implement several aspects of engagement successfully. Best Practice II 1. Title of the Practice: TGPCET Green Initiative 2. Goal: Environmental issues bring about thoughtful questions on the role of Institute in society. Irrespective of whether they are contributing to a better environment or worsening it, Institutions have to acknowledge environmental or green issues through impact research and measurement. Based on the approach college has significant Green Initiatives to Promote sustainability by creating awareness Share knowledge expertise-Expert talks about environmental problems and possible solutions Deploy ecofriendly technologies for greening and cleaning our campuses 3. The Context: Water Management, Waste management, Energy (conservation and generation) and Landscaping and Trees. 4. The Practice: Energy conservation • The Internal stakeholders take all measures to save the power. • More than 50 lighting requirements are met through LED sources and Solar System Use of renewable Energy • Interactive solar power generating system of 120 KW is provided on the roof top of the buildings.With the installation of this system 70 to75 of the total electricity requirement is met .It alsohas additional advantages like: no escalation in power cost for 15 years upto20 rebate in propertytax under Green Building Norms , Un-interrupted energy use during day time round the year. Hot water is provided in Bathrooms of boys and girls hostels Water harvesting • Rain water harvestingstructures are in place which collects the roof top rain water and discharges it to ground.Efforts for carbon neutrality •Installing solar panels helps in reducing carbon emissions. Theinstallation of 167258 KWH solar power systems has saved the amount of carbon dioxide releasedproblems and solar plant was installed. The solar plant is

functioning properly. The GreenInitiative seeks to better the ambience which is conducive to teaching learning process. The treesand the plants need to be zealously needed to be guarded.

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | Nil |
| Any other relevant information | Nil |

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Diversity of Students Promoting diversity in the Institutions is a bigallenge. We have highlighted diversity practiced and illustrate the ways to incorporate anunderstanding of diversity in the classroom and beyond. The Institution has admitted students fromvarious states in India like MP,CG,Bihar, UP, JK and Countries like Nepal. Much discussion aboutdiversity focuses on the forms of marginalization: Race, Gender and physical orientation. 1.Diversity in the classroom Having a diverse group of students simply means recognizing that allthe people are unique in their own way. Their differences consist of their reading level, athletic bability, cultural background, personality, religious beliefs, and the list goes on. There has always been diversity in the classroom, but it is important to embrace it and make positive use ofit. Teachers value the diversity and model this attitude to their students. Teachers recognize andrespect the fact that students are different and these differences are generally good things. For example, when attempting to solve a problem, teacher assembles a diverse team with many skills andmany different ways of approaching the problem than a team that has all their strengthconcentrated in one area. Teachers playing number of roles in the classroom yet, valuing diversity is one of the most important ones. Here is a list of environments created where each student feelsvalued and respected. Take the time to learn students background, interest and learning style.Create an environment that is conducive to each individual student to learn about each other and gain an appreciation for the diversity they bring to the classroom. Teach students that everyonehas strength and weakness. When working in teams, students are encouraged to take advantage oftheir strengths of the team members to produce the best possible results. Invite guest speaker from different places may share certain qualities with students. Implement a zero tolerance foranything that is disrespectful, hurtful, or intolerant of diversity 2. Learning Culture, Locationand Ambiance The atmosphere in the classroom reflects the importance of the work undertaken by both students and faculty members. RTMNU and AICTE are recommending English as the mediuminstruction. This avoids the language problem. A classroom with a strong culture for learning ischaracterized by high cognitive energy. There are high expectations from all students and the classroom is a place where the teacher and students value

learning and hard work. For the weakstudents, the institute arranges remedial classes to improve the performance. Mentors areallocated to the students to give counseling in their academic, personal problems and createfearless environment. Elegence – Finishing school is active for the professional and personalitydevelopment of the students 3. Ethical Values and Integrity College celebrate national days likeRepublic day, Independence Day, International Women's Day, Engineers day, Teachers Day, etc to inculcate the importance of moral values and significances. During every program, the nationalanthem is being played to feel the integrity and patriotism.

| File Description | Documents |
| --- | --- |
| Appropriate web in the Institutional website | No File Uploaded |
| Any other relevant information | No File Uploaded |

## 7.3.2 - Plan of action for the next academic year

1) To get autonomy stautus

2) To acheive 12B status

3) To get permanant affiliation

4) Recognition of research lab