



## YEARLY STATUS REPORT - 2022-2023

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR
• Name of the Head of the institution	DR SALIM CHAVAN
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	9763702575
• Mobile no	9511761245
• Registered e-mail	principall.gwcet@gmail.com
• Alternate e-mail	salimsahil97@rediffmail.com
• Address	148/149, Salai Godhani, Near Chikna Village, Hudkeshwar Road
• City/Town	Nagpur
• State/UT	Maharashtra
• Pin Code	441204
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Dr Babasaheb Ambedkar Technological University, Lonere and Rastra Sant Tukdoji Maharaj Nagpur University, Nagpur</b>				
• Name of the IQAC Coordinator	<b>Mr Avishkar Wanjari</b>				
• Phone No.	<b>9309083281</b>				
• Alternate phone No.	<b>7276388555</b>				
• Mobile	<b>7875237169</b>				
• IQAC e-mail address	<b>avishkarwanjari@gmail.com</b>				
• Alternate Email address	<b>avishkar.gwcet@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://gwcet.ac.in/uploaded_files/471_AQAR_2021-22.pdf">http://gwcet.ac.in/uploaded_files/471_AQAR_2021-22.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://gwcet.ac.in/uploaded_files/541_Academic_Calender_2022-23_OD_DEVEN.pdf">http://gwcet.ac.in/uploaded_files/541_Academic_Calender_2022-23_OD_DEVEN.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>2.44</b>	<b>2019</b>	<b>18/10/2019</b>	<b>17/10/2024</b>
<b>6.Date of Establishment of IQAC</b>			<b>17/11/2017</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		

<ul style="list-style-type: none"> <li>• Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
Motivating the Teaching staff for publishing their Research work in SCOPUS/UGC Care journals, patent Filing and Copyright.	
Formation of IIC and enhancing the innovation activities by staff and students.	
Conduction of International Conference in offline mode, increasing value added courses and Seminars/Lectures/ Workshop on IPR/ Research Methodology/ Entrepreneurship for the benefit of students.	
Directing the NSS club for conducting various extension activities for nearby community.	
Formation of R&D Cell and increasing the Research activities among students and faculties. Establishing Robotics & Automation Lab for making industry oriented projects.	
<b>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</b>	
Plan of Action	Achievements/Outcomes
Conductional of National Level Conference	AICTE ISTE approved National Level conference on Recent Trends in Science, Engineering &

	Management was conducted on 6th February 2023
To motivate students to engage into latest Software Courses/Workshops	The Computer Science & Engineering Department had conducted One week workshop for students on 'Data Visualization Using Python 3.8' from 23rd January 2023 to 28th January 2023.
To enhance the Practical Knowledge of Students	To enhance the Practical knowledge of Students, each department of the Institute has conducted Industrial Visits to reputed Industries in and around Nagpur for the respective departmental students.
To include stronger Feedback mechanism and analyzing it for necessary action taken	The HEI has introduced Stronger Feedback mechanism which is conducted in two phases from 2022-23. Phase 1 of Feedback is conducted within 15 days of starting the academic session and phase 2 of feedback is taken at the end of the session.
Introducing students with Core Engineering Softwares used in Industries.	AICTE-ISTE approved 5 day workshop on "Modern Civil Engineering Software" from 10th April 2023 to 15th April 2023
Refresher courses for Non Teaching staff of the Institute	The Institute has conducted Two Week skill course for Non Teaching staff on "Working with MS Excel" from 8th May 2022 to 20th May 2022.
To Increase number of Value Added courses and Lectures/Seminars on IPR/ Research Methodology/ Entrepreneurship.	Each department has conducted Value added courses and Lectures/Seminars on IPR/ Research Methodology/ Entrepreneurship for the beneficial of students.
<b>13. Whether the AQAR was placed before statutory body?</b>	Yes

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee (CDC)	04/11/2023

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

Year	Date of Submission
2022-23	24/01/2024

#### 15. Multidisciplinary / interdisciplinary

As per the directions mentioned in NEP 2020, GWCET has taken initiatives to follow the guidelines of affiliating university regarding the multidisciplinary and interdisciplinary courses. Courses such as Communication Skills, Professional Ethics, Universal Human Values and Environmental Science are conducted for the students. The college is following the practice of making interdisciplinary project based on societal problems and latest developing trends in the various fields. Multiple Open Elective subjects are introduced in the courses by the university which are implemented by the Institute.

#### 16. Academic bank of credits (ABC):

GWCET is affiliated to DBATU (1st, 2nd Year) and RTMNU (3rd and 4th Year) is following the Choice Based Credit System (CBCS). The institution has been registered under the Academic Bank of Credits and proper guidelines are given to the students as mentioned in NEP 2020. The HEI has got its maximum students enrolled under Academic Bank of Credits. The universities are organizing curriculum design workshops and regular meetings through its Board of Studies and faculties of GWCET are actively participating in the design of syllabus for various courses. The college has developed/designed its own mechanism for the assessment of the courses on the basis of assessment tools.

#### 17. Skill development:

GWCET has designed the skill development programs in various domains such as Centre for Innovation and Incubation. The college has taken initiative to start its Centre of Excellence which will make students deployable by providing high end and industry specific

training, designed and delivered by the industry partners. GW CET provides the guidance to the students who want to invent new product, service and processes and who want to set up their own start-up.

#### **18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

GW CET has established the various students forum department wise for organizing various activities in Marathi, Hindi and other languages. The forums are regularly arranging various programs to inculcate the Indian Culture among the students and to develop the Human values and Ethics in the stake Holders of the college. The college is organizing the cultural events to provide the platform to the students for showing their performances in singing and dancing competitions.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

GW CET is following the practices defined by Outcome Based Education. It is following the various curricular and extra-curricular activities in order to attain the Course Outcomes, Program Specific Outcomes, Program Educational Objectives and Program Outcomes through the Teaching Learning process and additional programs conducted by the institute. As the part of curriculum, each course has defined Course Outcomes which are mapped to Program Outcomes and Program Specific Outcomes. Some direct and indirect assessment tools are defined to achieve the attainment goal of Program Outcomes.

#### **20.Distance education/online education:**

The HEI is affiliated to DBATU and RTMNU, as per the guidelines of university the lectures and practicals are conducted in physical mode. The HEI is affiliated to DBATU and RTMNU, as per the guidelines of university the lectures and practicals are conducted in physical mode. The college has adopted ICT Enabled Teaching and Learning by using platforms like Google Meet, Free Conference Call, Teachmint and Zoom Platforms.

## **Extended Profile**

### **1.Programme**

1.1 437

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**2.Student**2.1 1530

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2 240

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 367

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

**3.Academic**3.1 84

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 83

Number of sanctioned posts during the year

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	<b>437</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>1530</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>240</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>367</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>84</b>
File Description	Documents
Data Template	<a href="#">View File</a>



3.2	83
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	24
Total number of Classrooms and Seminar halls	
4.2	437.199
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	360
Total number of computers on campus for academic purposes	

## 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

Our college is affiliated to Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere since 2021-22 and Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur. Therefore we follow the curriculum designed by Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur for the Final Year and Third Year courses. Similarly our First Year and Second Year we follow the curriculum designed by Dr. Babasaheb Ambedkar Technological University(DBATU), Lonere.

At the beginning of academic session the college prepares the academic calendar which consists of many activities for effective implementation and delivery of curriculum.

In each semester time table prepared in consultation with HoD's as per workload which is discussed with the Principal.

A comprehensive teaching plan is prepared by everydepartmental

faculty. We are conducting two sessional examinations and Pre university Exam(PUT) for the RTMNU curriculum periodically and its results are displayed.

We are also conducting Mid-Semester examination for First Year and second year students as per the guidelines and academic Calender of DBATU, Lonere. Its results are displayed, and also discussed with the students.

Periodical meetings of Head of the Departments are held with the Principal to take review, discuss the curriculum delivery.

Assignments, seminars and project are given to the students.

Guest lecturers of eminent faculties are arranged to give exposure of the current and emerging trends.

Students-Teacher-Guardian Scheme (Mentor-Mentee) is implemented for identifying problems of the students issues related to academics separately for effective implementation.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

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

Before the start of every academic session, Academic Calendar is prepared in alignment with the university schedule. Thus ensuring complete adherence of all the classes and examinations are planned as per the calendar.

Observance of Continuous Internal Evaluation with Academic Calendar should be done as follows.

1. Time Table and Classes: Time table coordinators of each department prepare the time table as per the guidelines of RTMNU, Nagpur and DBATU Lonere.

2. Course files and Teaching plan: After the subject allocation, every faculty prepares the course file and teaching plan of their subject. It also contains the assignments on every scheduled date

as per the academic calendar.

3. **Internal Examinations:** Schedule of Sessional 1, Sessional 2 and Pre-university Exam. (PUT) are mentioned in the academic calendar. Results are displayed within two days after completion of each exam. Internal Viva and Practical exam are conducted before/after the Pre-university Exam which is mentioned in academic calendar.

4. **Student Feedback:** students submit their feedback for each subject at the end of academic session through online feedback form.

5. **Academic Monitoring:** Each Head of the Department maintain a monthly syllabus coverage report, and student attendance.

6. **Amendments:** In any unseen conditions, academic calendar can modify and revise as per the instructions of Principal of the institute only.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

**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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

<b>1.2 - Academic Flexibility</b>	
<b>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b>	
<b>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</b>	
7	
File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
<b>1.2.2 - Number of Add on /Certificate programs offered during the year</b>	
<b>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</b>	
17	
File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>
<b>1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year</b>	
1405	
File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>
<b>1.3 - Curriculum Enrichment</b>	

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

Our Organization integrates various Cross-cutting issues of the society such as Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are indivisible part of our curriculum. The Institute celebrates Annual Women’s Day. To encourage gender equality, the institute promotes the coeducation.

In First Year (IstSem)as well as in second year,the curriculum hasEnergy & Environment Engineering and Environmental Studies subject whichsharpen the ability of scholars to grasp the study on nature and results of science. Many electives on Environment and sustainability are opted by students. In Civil Engineering, Many Projects are undertaken by final year students related to environmental issues.

The institute has constituted Anti-Ragging committee.The campus of the institute is ragging- free. This institute conducts various programs on Human Rights under the NSS to provide awareness among students.

In first year (1stsem) curriculum there is a communication skillssubject in which students can learn letter writing,principles of public speaking, professional communication Skill.

The curriculum in Mechanical Engineering Third Semester includes a subject on Professional Ethics whereas Computer Science & Engineering, Information Technology and Electronics & Telecommunication Engineering course includes Universal Human Values subjects that focus on moral and ethical values inculcate in students.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

15

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

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

1023

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

**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	<a href="http://gwcet.ac.in/uploaded_files/920_1.4.1_STAKEHOLDER_FEEDBACK_2022-23.pdf">http://gwcet.ac.in/uploaded_files/920_1.4.1_STAKEHOLDER_FEEDBACK_2022-23.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - Feedback process of the Institution may be classified as follows**

**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://gwcet.ac.in/uploaded_files/95_1.4.2_Action_Taken_report_2022-23.pdf">http://gwcet.ac.in/uploaded_files/95_1.4.2_Action_Taken_report_2022-23.pdf</a>

**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**

**574**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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**

**492**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 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

1. Learners are separated by evaluating the score of Class Test I or Sessional Exam or Mid Semester Exam I, here totals marks of respective examination convert in to out of 50 marks.

2. Learners are also differentiated by considering the marks obtained in objective test (50 marks) performed by departments.

From the sum of 50 marks (By converting the marks of examination out of 50 marks) and marks obtained out of 50 marks in objective test, the students having score 60 % out of total marks (100 marks) considered as advanced learner and students having score below 60 % out of total marks (100 marks) considered as slow learner.

Strategies adopted for facilitating Slow Learners: (Having score below 60 %)

1. The appropriate counselling with additional teaching eventually helps to attend classes regularly. Mentors communicate regularly with parents, encourage to conducting remedial classes

Strategies adopted for facilitating Advance Learners: (Having score 60 % and above)

1. The bright students are motivated by providing extra test series ,extra assignments,NPTEL session, provide opportunities to participate in national level technical symposiums and encourage to appear in the competitive exams .

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>



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

Number of Students	Number of Teachers
1530	84

File Description	Documents
Any additional information	<a href="#">View File</a>

**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

**1. Regular Teaching Techniques**

In current session (2022-2023), the session of teaching started with offline mode. The teaching continued with Conventional green board-chalk and PPTs presentation by using LCD projectors. NPTEL videos and other sources are also used for learning of subjects.

**2. Experiential learning:**

In current session (2022-2023), the practical session started with offline mode and students performed the practicals in laboratories as per syllabus. We have MoUs with various industries to provide platform to the students for experiential learning.

**3. Participative learning:**

The students are encouraged to organize technical events to develop their creativity by participating and organizing intercollegiate as well as national level technical symposiums. Industrial tours, field visits and internships make the students acquainted with industrial and work ethics followed by submission/ presentation report.

**4. Problem Solving Methods Case studies and Mini projects:**

To develop the problem solving methods and to enhance the practical knowledge and logical thinking of students, we are following case studies with innovative way and also encourage our students to make some Mini projects from second year onwards, though it is not a part of curriculum of DBATU and RTMNU.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

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

Govindrao Wanjari College of Engineering & Technology, Nagpur follows ICT enabled teaching in addition to the chalk and talk method of teaching in classroom. Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. Learning Management System (LMS) & E-Learning Resources. The use of multimedia teaching aids like, LCD projectors, interactive digital board/computer/laptops, IT enabled learning tool such as PPT, Video clippings, Audio system, online sources systems are usually in use in classroom to expose students for advanced knowledge and practical learning.

All the departments conduct Technical Activity related to core subjects for effective teaching and learning by the faculty members and students in each semester. Seminar hall is equipped with multimedia facilities using ICT tools. Invited talks and webinars are conducted in seminar hall using ICT facilities.

The library also provides access to computers and on line journals freely available in public domain.USB Hard disk containing web and video courses (offline) from NPTEL are accessible to faculty and students from the server installed in the library.

Internet and Wi-Fi facility is made available to all the students of institute at free of charge. Online teaching platforms are used to communication, and to share information.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

**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

84

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

84

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

### 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	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

707

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 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.

Internal assessment in college is so transparent that every student has an idea about the standard internal evaluation process of the theory and practical subjects. Institute follows regulations of DBATU, for first year students and RTMNU for higher semester students. Internal assessment is carried out in systematic manner for theory, practical and project work. The college prepares an Academic Calendar in line with university calendar prior to the commencement of the academic year in consultation with the Heads of the Departments. Then College organizes orientation programs for students to make them acquainted with the rules and regulations of the affiliating university, examinations, evaluation process, and extra-curricular activities etc., Head of the Departments communicate about labs and subjects of the semester and the college folder indicating the important events including probable dates of examination, extra-curricular and other activities to be conducted in forthcoming academic session, are handed over to the students after the orientation program and college website link is provided simultaneously. information about the orientation program given to parents through telephonic call or via SMS.

A Parents' meet is organized in each semester and information about the date and time is once again given to parents either through telephonic call or via SMS.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

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

Examination related grievances are handled by the mentor to make it time bound, transparent and efficient. All the examinations are conducted as per academic calendar. The Institute follows open evaluation system where the examination answer copies are shown to students, the examination marks and experimental grades are displayed on notice boards and the same information is informed to the parents. The grievances of the students with reference to assessment are made clear by showing his/her performance in the answer sheet. The answer sheet of such student is assessed by the faculty once again in the presence of the student. Any corrections in the total of marks or assessment of answer books as identified by students are immediately done by the faculty members.

If students faced problems in university examination form submission, issue of admission card or any discrepancy in university result, then the students can approach to mentor and the mentor hand over same matter to the faculty- in-charge of university examination, who concern with Head of the Department & Principal and the matter is reported to DBATU (For First & Second Year Students) and RTMNU (For Third year and Fourth Year students) through concerned clerk of the college who tries to get the solution.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

## 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.

The institute at central level, while finalizing the learning outcomes considers remarks of representative of all stakeholders which includes staff and students.

**Students Awareness:**

Program Outcomes (POs), Program Specific outcomes (PSOs), Program educational Objectives (PEOs) and course outcomes (Cos) are published and disseminated through various medias such as display boards in the corridors, laboratories, HOD cabin, institute website etc. Also, all the outcomes are disseminated to the stakeholders through parents meet and alumni meet.

**Staff Awareness:**

Special brain storming sessions are arranged and staff takes active participation in these sessions for further modification and to understand the concept of learning outcomes. Learning outcomes are disseminated through display board, circulars, pamphlets etc.

Outcomes: Vision and Mission Statements of department were defined by involving the different levels of outcomes.

Outcomes are the abilities the students acquire at the end of the program .

Outcomes provide the basis for an effective interaction among stakeholders

It is the results-oriented thinking and is the opposite of input-based education where the emphasis is on the educational process and where we are happy to accept whatever is the result

Levels of Outcomes - 1. Program Outcomes

2. Program Specific Outcomes

3. Program educational Objectives

4. Course Outcomes

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://gwcet.ac.in/uploaded_files/2.6.1-PO-PSO-CO.pdf">http://gwcet.ac.in/uploaded_files/2.6.1-PO-PSO-CO.pdf</a>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

**Mapping** -Mapping is process of representing, preferably in matrix form, correlation among parameters. It may be done for one to many, many to one, and many to many parameters.

**CO-PO-PSO Mapping Methodology-**

**Direct Assessments** are provided through direct examinations, observations of student knowledge against measurable course outcomes. The knowledge and skills described by course outcomes are mapped to specific problems on University Examination, internal exams and home assignment. Throughout the semester the faculty records the performance of each student on each course outcome.

Average attainment in direct method = University Examination-(70%) + Internal Assessment (20%) + Assignment / Seminar /Viva / Project Work (10%)

**Indirect Assessment** is implemented by embedding them in Student Exit Survey, Employer Survey and Alumni Survey. Few of the POs are assessed based on relevant developed rubrics. Finally, program outcomes are assessed with above mentioned data and Program Assessment Committee concludes the PO attainment level.

Average attainment in indirect method = Average (Alumni survey + Employer survey + Exit survey)

The following scoring function is used to calculate the average attainment of each program outcomes.

PO /PSO Attainment (%) = (weightage: 80%) x (Average attainment in direct method) + (Weightage: 20%) x (Average attainment in indirect method)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

### 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

181

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="http://gwcet.ac.in/uploaded_files/841_2.6.3_2022-23.pdf">http://gwcet.ac.in/uploaded_files/841_2.6.3_2022-23.pdf</a>

### 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://gwcet.ac.in/uploaded\\_files/170\\_SSS\\_2022-23.pdf](http://gwcet.ac.in/uploaded_files/170_SSS_2022-23.pdf)

### 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)

0



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)	<a href="#">View File</a>

### 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

3

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

### 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

0

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
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

**INSTITUTE INNOVATION CELL (IIC) at Govindrao Wanjari College of Engineering & Technology, Nagpur is dedicated to promote**

Innovation and Entrepreneurship. It is a support system to help knowledge driven enterprises to establish and develop under organized scientific guidance.

The main objective of the IIC is to foster the culture of Innovation across the students of college. These "graduates" create jobs, commercialize new technologies and strengthen national economy. The Ecosystem of IIC aims to coordinate, synergize and leverage the various causes of excellence driving innovation and entrepreneurship in a flourishing ecosystem consisting of research at the cutting edge of science and technology, a highly successful body facilitating industrial interactions and incubation in sectors such as rural technologies, industrial solutions and social impact.

**Vision**

"The IIC mainly aims to foster the innovation among the students and ignite their minds through newer ideas. Professionally we have to convert these ideas into business."

**Mission**

- To create an ecosystem to incubate and support innovative ideas
- To create entrepreneurship opportunities for students, faculty and Research Scholars
- To provide support to commercialize innovative & sustainable ideas.

**Objectives**

- Meet/Interact renowned Business Leaders and top-notch academicians
- Opportunity to nurture and prototype new ideas.
- Mentoring by industry Professionals.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=eacik&amp;nDeptID=oi">http://gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=eacik&amp;nDeptID=oi</a>

**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**

25

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**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**

2

File Description	Documents
URL to the research page on HEI website	<a href="http://gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=cacgg&amp;nDeptID=oc">http://gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=cacgg&amp;nDeptID=oc</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
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**

43

File Description	Documents
Any additional information	<a href="#">View File</a>
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 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

0

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 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

The institute has a strong and efficient NSS cell which involves students and faculties of all the departments in various activities and the impact and sensitization of students to the social issues and holistic development is as explained below. Institute involves the faculty and students in community work. This helps the students to learn ethical values and understand their responsibilities to develop as good citizens. Social activities like Tree plantation and Health camps are organized. Faculty members and students take home visit in the vicinity of the institute, provide support and interact with them. Faculty and students actively participate in Swachh Bharat Abhiyan, Hattirog eradication rally etc programs. Swachh Bharat Abhiyan, Tree Plantation in campus and around Nagpur city such type of programs actively organized the NSS cell, GW CET, Nagpur. NSS unit regularly publish the articles in the newspaper which helps to literate the common citizen for holistic development. Institute implements the Earn and Learn Scheme of the University. This helps the student to understand the value of labour. Institute has an active NSS cell through which different social activities are planned for each academic year.

File Description	Documents
Paste link for additional information	<a href="http://gwcet.ac.in/uploaded_files/571_Merge_3.4.3_and_3.4.4_NSS_Extension_2022-23.pdf">http://gwcet.ac.in/uploaded_files/571_Merge_3.4.3_and_3.4.4_NSS_Extension_2022-23.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 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

4

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

### 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

13

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

**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**

743

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

**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**

585

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

**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**

26

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## 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 is well known for its infrastructure and academics. At the start of session members from the body of management do the assessment for the upgradation of the existing infrastructure, computing equipment etc. The institute provides well ventilated and well furnished class rooms and laboratories to the stakeholders. The institute has developed the laboratories as per the curriculum requirement and beyond. Institute provides various amenities like canteen, transport, indoor and outdoor sport facilities etc. These initiative maps the academic activities with teaching learning processes.

#### Academic Facilities:

Sr.No.

Particulars

Description

Total Number

Area (Sq.mtr.)

1

Class Rooms

Ventilated and well furnished class rooms with more than 60 seating capacity of students.

22

1536

2

Tutorial rooms

Well-equipped with green boards

6

223

3

Laboratories

As per the requirement

40

2869

4

Workshop

Well equipped for conduction of Workshop practices

1

200

5

Additional Workshop

As per the requirement

1

200



6

Seminar Hall

Well equipped with projector ,PC and well furnished

02

332

7

Computer Center

With all required desktop pc's and software's

01

168

8

Drawing Hall

Equipped with drawing tables

01

141

9

Library & Reading room

Equipped with all departmental books, journal and magazines etc.

01

509

10

Smart class rooms

Equipped with all ICT facility

07

462

**Computing Equipments:**

**Sr.No**

**Particulars**

**Quantity**

1

**PC's**

426

2

**Laptops**

04

3

**Printer**

35

4

**Scanner**

11

5

**Projectors**

11

6

**Server**

01

8

**CD Writers**

05

9

**CCTV**

18

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.gwcet.ac.in/uploaded_files/195_facility_for_teaching_learning_2022-23.pdf">http://www.gwcet.ac.in/uploaded_files/195_facility_for_teaching_learning_2022-23.pdf</a>

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

- College has playground with sports facilities like volleyball, Cricket, athletics, badminton.
- College has indoor games such as carom, chess etc.
- College has a Gymnasium at college campus with facilities such as free weight exercises and also Green Gym.
- Every year students from different department used to participate in sports tournament organized by RTMNagpur University.
- Every year college conducts Technical Event "Technostorm- A National Level Event " ,Ganesh Utsav,Annual Social Gathering event UTSAV
- Yoga is practiced regularly in college campus.

Details of facilities for sports, games and cultural activities which include specification about area/size, year of Establishment and user rate is given below-

Sr.No.

Particular

Area

Year of establishment

User rate

Games (indoor)

1

Chess

-

2008

10 to 20per day

2

Carom

-

2008

25 to 30per day

Games (outdoor)

1

Volley ball

9\*18 m

2008

15 to 20per day

2

Cricket

137meterdiameter

2019

20 to 40per day

3

Athletics

-

2008

5 to 10per day

4

Tug of war

-

2008

30 to 40per day

5

Mix cricket

-

2008

20 to 25per day

6

Badminton

6.1\*13.4 meter

2008

25 to 35 per day

7

Kho- Kho

27m x 16m inclusive of 1.5m x 16m of free zone behind both poles

2008

25 to 30per day

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.gwcet.ac.in/uploaded_files/134_SPORTS_FACILITY---2022-23.pdf">http://www.gwcet.ac.in/uploaded_files/134_SPORTS_FACILITY---2022-23.pdf</a>

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

9

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.gwcet.ac.in/uploaded_files/480_ICT_FACILITY_---2022-23">http://www.gwcet.ac.in/uploaded_files/480_ICT_FACILITY_---2022-23</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 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)

139.19

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

- Library uses Sack Info Softlib Software having nature of automation as fully from Year 2010 that supports all in-house operations of the Library. These functions usually include circulation, acquisitions and cataloguing etc. From Year 2019-20 we are using LIBMAN Master Software
- OPAC: Online Public Access Catalogue (OPAC) consists of Acquisition, Cataloging, Circulation, Serials control and Web OPAC facility which allows students, faculty to browse a book by author, title, publisher or any keyword
- GWCET Central Library has a provision of access to e-journals, NPTEL video lectures, DELNET, Project Report for UG, PG programme. For this purpose separate arrangement in Digital Library is made where students & staff can access,

download, print the open access journals & research papers, also they can listen to the video lectures with the help of audio-visual aids

- Services of Library are planned in such a way that its functioning is always user friendly with more focus on student's convenience

The details of ILMS are -

Sr.No.

Name of ILMS Software

Nature of Automation

Version

Year of Automation

1

LIBMAN Software

Fully

Cloud Based

2019-2020

2

LIBMAN Software

Fully

Cloud Based

2020-2021

3

LIBMAN Software

Fully

Cloud Based



2021-2022

4

LIBMAN Software

Fully

Cloud Based

2022-2023

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="http://www.gwcet.ac.in/uploaded_files/940_ILMS_-2022-23.pdf">http://www.gwcet.ac.in/uploaded_files/940_ILMS_-2022-23.pdf</a>

**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	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

0.77

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 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

10.86

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

The institute is updating IT facilities time to time. Departments have computer labs equipped with internet facility and the entire PC has network connectivity. The institution has a dedicated internet leased-line to cater to the requirements of internet for all the students and staff. Latest anti-virus software is being used in the institution for providing a safe and secure environment for digital activities. The College is having well established IT facilities in the entire campus. Institute has computing facility with adequate number of Computers, printers and scanners. All the computers in the laboratory are connected in a single network. College ensures availability of adequate physical IT infrastructure. Whenever additional curriculum needs arise, it is ensured that required IT infrastructure is available on time.

The following are the strategies for deploying and updating IT infrastructure and associated facilities:

- Wi-Fi facilities are upgraded as per the requirement. Wi-Fi facility is provided to each staff and student wherein, they can access for all types of e-learning resources
- The computers are regularly upgraded with Anti Virus.

- All the systems are connected by LAN & Wi-Fi facilities.
- CCTV's are installed to have strict surveillance and monitoring of all the events and happenings in the college.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://gwcet.ac.in/uploaded_files/714_4.3.1_IT_FACILITY.pdf">http://gwcet.ac.in/uploaded_files/714_4.3.1_IT_FACILITY.pdf</a>

#### 4.3.2 - Number of Computers

430

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>

#### 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)

239.42

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

1. Supervisors & external agency are hired to look after the housekeeping of the complete institute.
2. The computer hardware, software and its networking are taken care by Lab Assistant of respective department.
3. Regular maintenance of equipments in all laboratories is carried out by the technical staff at the Department level while in some cases it is referred to the sales & service department of the equipments manufacturer or a service provider. Institute has employed technicians for maintenance electrical equipments, purified drinking water facilities and drainage facilities.
4. Security staff is employed on contract basis to safe guard the whole premises.
5. Internet connectivity, CCTV security system and network connectivity is maintained by network administration team
6. Annual stock verification is done in all departments and report of damage and non functional equipments are forwarded and repair is undertaken accordingly.
7. Register is maintained in the library for entry, exit for the students and same for the faculty members. Cleanliness is maintained by sweeper on everyday basis .
8. Housekeeping in-charge works in coordination with department for dusting, mopping and cleaning of classrooms, laboratory, tutorial room and smart classroom on regular basis.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.gwcet.ac.in/uploaded_files/250_Facilities_Policies_2022-23.pdf">http://www.gwcet.ac.in/uploaded_files/250_Facilities_Policies_2022-23.pdf</a>

<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
<b>5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
1405	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
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)	<a href="#">View File</a>
<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
582	
File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>

File Description	Documents
Link to Institutional website	<a href="http://gwcet.ac.in/uploaded_files/911_5.1.3_Final_2022-23_compressed.pdf">http://gwcet.ac.in/uploaded_files/911_5.1.3_Final_2022-23_compressed.pdf</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

1022

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

1022

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**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	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

311

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 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

1

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### 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.

13

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
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)	<a href="#">View File</a>

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 Principal will notify the selection process of student's representation. Every year Govindrao Wanjari College of Engineering & Technology forms Students Council having



representation of students from First Year to Final year all the branches. The Secretary represents Govindrao Wanjari College of Engineering & Technology on students council solve the problems of students.

Every Department is also having a separate student Forum. Various activities are being conducted by the students actively at departmental level as well as at college level.

Following are the roles and responsibilities of the Students association and Students council.

Role of the Students association and Students council.

1. To officially represent all the students in the College.
2. To identify and help solve problems encountered by students in the College.
3. To promote and encourage the involvement of students in organizing Curricular , Co-curricular, Extra Curricular and Extension activities.

Responsibilities Students association and Students council.

1. To promote the interests of students among the college administration, staff and parents.
2. To inform students about any subject of concerns.
3. To consult students on any issue of importance.
4. To organize financial campaigns for college and charitable activities.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

**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**

30

File Description	Documents
Report of the event	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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 registered Alumni Association with Registration No. Nagpur/0000121/2018.

- While rejuvenating the memories of the college, a network of old students was achieved.
- Today, it is the backbone of the institution. The institution rests on the rich history of the student's success and glory.
- Association regularly meets and interacts with the management. It is the flag bearer of the developments in the institution.
- The alumni also help the institution by influencing industries and other agencies in getting placements fests for the institution. The alumni has expanded and strengthened it with new enrolments.

Alumni Benefits for Students:

Career Advising

Industry Institute Interaction

Placement assistance

Alumni Objectives:

1. To bring together students of GW CET youth in every area to act as their representative and coordinate, synchronize and promote their interest in all matters.
2. To utilize the experience, wisdom, zeal, ability and spare time of past students of the GW CET for the benefit of the weaker section of the society.
3. To take up public interest matters relating to the past students of GW CET in this area with State and Central Government and Semi Government or private organizations or public co-operations.
4. To promote and provide for education, educational scholarships and medical relief useful to poor and the needy students of GW CET.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>E. &lt;1Lakhs</b>
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File Description	Documents
Upload any additional information	<b>No File Uploaded</b>

## 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

#### The Vision of the Institute:

To emerge as a center of excellence creating research, innovation and entrepreneurial attitude among the technocrats who in turn shall contribute to the development of society and mankind.

#### The Mission of the Institute:

- To develop a culture of excellence in teaching and learning with accountability from all support activities.

- To promote new ideas leading to emergence of creators, innovators, leaders, and entrepreneurs.
- To achieve excellence in application based research in technology to contribute to the development of the community.
- To imbibe the ethical values among the students to make them responsive citizens.

. The Institute has been set up with a mission to impart such knowledge as may be necessary for the holistic development of students thereby making them capable of being better employable and at par with the highly competitive career market.

- The policy statements and action plans for fulfillment of the stated mission.
- To achieve the mission, the leadership chooses staff with an aptitude towards understanding quality issues as members of various committees for designing and implementing the quality policy.
- The leadership analyzes feedback by taking guidance and opinion from experts and stakeholders whenever and wherever necessary.
- The leadership holds sufficient discussions and allows for refinement and modification in the action plan.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in/UserPanel/DisplayPage.aspx?page=cg&amp;ItemID=e">http://www.gwcet.ac.in/UserPanel/DisplayPage.aspx?page=cg&amp;ItemID=e</a>
Upload any additional information	<a href="#">View File</a>

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

**Decentralization in Working:**

Institute believes in decentralization and participative management. The Institute has a mechanism for delegating authority and providing operational autonomy to the various functionaries to work towards decentralized governance system.

- All the departments of the college function under the direct supervision of Principal. All day to day routine activities

related to academics are taken care of by the Academic Monitoring coordinator and HoDs.

- Sessional examinations and Pri-University examination is handled by Centralize examination system.
- Portfolios are formed at institutional level consisting of various committees' in-charges and members.
- Administrative office, Centralize examination system, central library, and institute level committee's functions under the supervision of Principal.
- Principal conducts meeting with HoDs and concerned In-charges as and when required. HoDs and concerned in-charges then conduct the meetings with members to discuss various issues and resolutions made are conveyed to principal for further action. Similarly resolutions of the Principal meeting are passed on to the faculty/staff/members for implementation.
- Student committees are formed for most of the student's activities. Students FORUM for all students' activities are available in each department.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=mm">http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=mm</a>
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

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

Yes, the Institute has a perspective plan for next five years. The institution takes efforts in finding the key performance indicators for performance assessment and development. It addresses the issues from the stakeholder's perspective and takes steps to fulfil their requirements.

The Institute has following Perspective/Strategic plans:

- To promote research culture among faculties and students for the welfare of the society.
- To develop strong collaboration between industry and institutions.
- To establish recognized research center from affiliating university and apply further to upgrade as a center of excellence.

- To obtain permanent affiliation from affiliating university and apply for UGC 12(B) by recognition.
- To create entrepreneurs by inculcating Entrepreneurship skills in the students.
- To collaborate with institution of high repute for community development.
- To acquire the status of autonomous institution.

As per the strategic planning we have organised One Week Workshop on Embedded System in collaboration with the Industry to strengthen the Industry Institute Interaction. This event shall endow platform for students to learn the practical knowledge of embedded system. The principal along with head of departments, nominate the convener for the workshop. Then committees were formed for the smooth conduction of event such as promotion, inauguration, registration, etc.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=ko">http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=ko</a>
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.

**Governing body**

The Govindrao Wanjari College of Engineering & Technology, Nagpur is managed by Amar Seva Mandal (ASM), Nagpur, which has its governing board. Governing Body is responsible for Policy making and verifying the reports through the secretary & correspondent.

**College Development Cell (CDC)**

The College Development Cell comprises of Chairperson of the management or his nominee ex-officio Chairperson ; Secretary of the management or his nominee ; one head of department, to be nominated by the principal or the head of the institution ; three teachers in the college or recognized institution, elected by the full-time amongst themselves out of whom atleast one shall be woman ; one non-teaching employee, elected by regular non-teaching

staff from amongst themselves ; four local members, nominated by the management in consultation with the principal, from the fields of education, industry, research and social service of whom at least one shall be alumnus; Co-ordinator, Internal Quality Assurance Committee of the college.

Various committees are formed in the College for the smooth and efficient management of activities.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=s&amp;ItemID=e">http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=s&amp;ItemID=e</a>
Link to Organogram of the institution webpage	<a href="http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=cc&amp;ItemID=e">http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=cc&amp;ItemID=e</a>
Upload any additional information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Screen shots of user inter faces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

Teaching learning process is the most important process in the college wherein the outcome is first if faculty knows the sense of direction and feels motivated.

List of welfare measures for the teaching staff

1. Duty Leave for attending Seminars, Conferences and Workshops.
2. Employee's Provident fund.
3. Maternity Leave.
4. Medical Health Care Centre Facility.
5. Eco-Friendly campus.
6. Pure Drinking R.O. Water.
7. Winter & Summer Vacation
8. Transport facility for teaching staff.
9. Xerox Facility for staff.
10. Wi-Fi Campus for Faculty
11. Early going and late coming facility to the staff.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

**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**

49

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**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**

3



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	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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**

41

File Description	Documents
IQAC report summary	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

The Institute strictly follows all the basic recruitment and promotional policies as mentioned by AICTE, RTMNU, Nagpur, DBATU LONERE as well as Government of Maharashtra.

Each faculty member completes the self-appraisal procedure every year in the format prescribed by RTMNU, Nagpur and DBATU, LONERE.

Self-appraisal is done on the basis of the following points:

1) Performance appraisal of teaching staff in the appraisal format, performance appraisal of Professor / Associate Professor & Assistant Professor is evaluated on following points Session wise:

1. Engaging Theory Lectures
2. Engaging Practical
3. Attendance in Theory Lectures
4. Attendance in Practical
5. Result Analysis of Theory Subjects
6. Marks obtained by students in Theory Subjects
7. Comparison with last 3 years-Average Results
8. Students Feedback of respective session
9. Professional Endeavour
10. Functional Performance

The correct information is filled by the faculty. HoDs submit the self appraisal of each faculty member with remarks to the principal. The HoD also submits annual report of each faculty of respective department to the principal. The Principal takes review in presence of reviewing officer.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

#### **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

Internal & External Audit a) The internal audit of accounts is carried out. The internal auditor checks fee receipts and payment vouchers & necessary supporting documents. b) The External audit is conducted at the end of financial year. The audit is carried out by the chartered accountant. c) The institute's major sources of receipts/funding are the students' tuition fees and funding made by Amar Seva Mandal. Audited income & expenditure statements of the previous five years are available.

The Institute has been appointing internal and external auditors annually. The institute's major sources of receipts/funding are the students' tuition fees and funding made by Amar Seva Mandal. The internal audit of accounts is carried out. The internal auditor checks fee receipts and payment vouchers necessary supporting documents. The institution is having qualified practicing Chartered Accountant as an auditor who audit the accounts to check verify the Vouchers, Ledgers, Bank Accounts Cash Book, Tuition Fee Reconciliation, Fixed Assets, Investments and Advances etc. Income Expenditure Balance Sheet is thoroughly checked by an Auditor. The External audit is conducted at the end of financial year. The audit is carried out by the chartered accountant. The institute's major sources of receipts/funding are the student's tuition fees and funding made by Amar Seva Mandal.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

**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)**

0

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)	<a href="#">View File</a>

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

At the time of starting of the financial year, the Principal and Heads of Departments prepare the college budget. College budget includes recurring & non-recurring expenses such as salary, maintenance cost, electricity, internet charges, equipment and facilities, stationery and other consumables etc. It includes planned expenses such as purchase of lab equipment, furniture and other development expenses.

Mobilization of fund is done through tuition fee and conduction of various off-line & online examination of competitive nature.

The maximum utilization of fund is as given below:

- Salary & welfare measures.
- For mandatory deposits, annual fee of statutory bodies/university, etc
- Reinvasion and maintenance of academic infrastructure.
- Purchasing new equipment & software.
- Maintenance of old equipment.
- Conduction of Curricular, Co-curricular, Extra-curricular and extension activities

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

### 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

The institution has formed an Internal Quality Assurance Cell .The cell is coordinated by a team of faculty representatives from all the departments. The formation is institutionalized through formal office order of the Institute. The Internal Quality Assurance Cell (IQAC) of the institute has been trying to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution and to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Examples of best practices institutionalized as a result of IQAC initiatives as follows.

1) Academic audit of Department

IQAC has its objective on the conduction of academic review at department level as well as at institute level at least once in a semester. With IQAC initiative, the academic audit is conducted by all the departments at inter- department level and then at the institute level.

2) Feedback system: With IQAC initiative, the academic audit is conducted by all the departments at inter- department level. Under the guidance of IQAC and academic coordinator feedback analysis done and need of improvement should be done for the faculties lagging in feedback were suggested to the head of institution.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=ok&amp;nDeptID=mo">http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=ok&amp;nDeptID=mo</a>
Upload any additional information	<a href="#">View File</a>

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 takes continuous review of teaching learning process in the Institute. The committee consisting of Principal and academic coordinator prepares the academic calendar well in advance before the commencement of the semester. The calendar outlines the semester class work schedule, internal examination schedule and external examination schedule.

**Review of Teaching-Learning Process and its Outcomes**

Each and every teacher prepares subject file before the commencement of semester. Review committees verify the content and completion of subject file and report it to respective HOD.

In case of any suggestions, it is communicated to the respective teacher and its fulfillment is ensured by HOD. Monthly attendance are taken and displayed to the students for improvement. Regular review of completion of syllabus is taken and accordingly remedial actions are suggested. Teacher feedback is taken time to time by HOD to ensure the quality of teaching. Learning levels of the students are assessed based on their performance in sessional, internal examinations and university examination. Result analysis of all the semester is done. Action plan for improvement of result in case if the result of subject is poor is submitted to IQAC.

File Description	Documents
Paste link for additional information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>
Upload any additional information	<a href="#">View File</a>

**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)**

**B. Any 3 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_SUMMARY_22-23.pdf&amp;target=Deptuploaded_files">http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_SUMMARY_22-23.pdf&amp;target=Deptuploaded_files</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

**GENDER EQUALITY** GWCET has made a strong commitment to gender equality in the workplace. GWCET has led a comprehensive, cross cutting institutional policy concerning the entire community: students, faculty and staff. **OUR RECOMMENDATIONS** Our student community consists of people from a wide variety of cultures. Each student brings to GWCET his or her individual, collective and national histories. They all aspire to stimulating and inspiring interaction with faculty. Our faculty is dedicated, approachable and committed to passing on knowledge. By proposing the following recommendations, we aim to help reduce gender inequality in the Classroom and encourage the kind of respectful relationships between faculty and students that are most conducive to the transmission of knowledge.

**Recommendation 1 :** During your first class, do not hesitate to remind students of the ground rules for working together and creating an atmosphere in which each individual's right to speak and express views in the classroom is respected.

**Recommendation 2:** When elections for forum bodies representatives are held, equal opportunities will be given to both girl & boys student. When there are several candidates, attempt to achieve a gender balance.

**Recommendation 3:** Be sure to facilitate student participation and allow the women in your class to speak up as much the men.

**Recommendation 4:** When forming groups for a presentation or team project, encourage a reasonable gender balance (at least 40% of each gender) whenever numbers allow.

File Description	Documents
Annual gender sensitization action plan	<a href="http://gwcet.ac.in/uploaded_files/10_7.1.1_Action_plan_of_Gender_Equity_2022-23.pdf">http://gwcet.ac.in/uploaded_files/10_7.1.1_Action_plan_of_Gender_Equity_2022-23.pdf</a>
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	<a href="http://gwcet.ac.in/uploaded_files/942_7.1.1_Safety_security_ADDITIONAL_INFORMATION_2022-23.pdf">http://gwcet.ac.in/uploaded_files/942_7.1.1_Safety_security_ADDITIONAL_INFORMATION_2022-23.pdf</a>

<b>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</b>	<b>C. Any 2 of the above</b>
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File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**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**

**Solid waste management:** Separate dust-bins are provided for collecting dry and wet garbage. The cleaning services in the campus are outsourced. The garbage is collected by housekeeping personnel everyday and it is properly disposed off into the dustbins. The waste is segregated at the source itself by providing separate dustbins for Bio-degradable and plastic waste. Vermi compost is produced from biodegradable solid waste which is used as manure for plants in the campus. Waste generation from tree droppings, lawn management and kitchen waste is a major solid waste generated in the campus. Waste like plastics, papers etc. are collected and sold out to scrap vendor time to time.

**Liquid waste management:** The sewage disposal system for entire



college building is properly erected and maintained as per architecture design. And it is certified by external consultancy 'Jyoti Associates'.

**E-waste management:**The non-working computer spare parts, electronic scrap components and other non-working equipments are used for practical purpose in order to explain the students the parts of the product which they study in their theory lectures and in the worst condition they are safely disposed off outside .Separate hardware laboratory is formed for the study purpose of all E-waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

<b>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</b>	<b>A. Any 4 or all of the above</b>
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File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b>	<b>A. Any 4 or All of the above</b>
<ol style="list-style-type: none"> <li>1. Restricted entry of automobiles</li> <li>2. Use of bicycles/ Battery-powered vehicles</li> <li>3. Pedestrian-friendly pathways</li> <li>4. Ban on use of plastic</li> <li>5. Landscaping</li> </ol>	

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

**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**

**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**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**

**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
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).

Our educational group has been continuously exploring meaningful interlace with the world around us through the activities among with the students. The institution strives to not only educate the students but also to make them to shine in their life and to pass on that light to others, by enkindling in them a love for learning, discovery and invention. A wide variety of activities are devised and implemented to help students advance towards the objective of the institution.

Some of them are

Women's Day Celebration, Festival celebration like Navratri and Makar Sankranti, Sports, Annual Social Gathering, Annual college magazine PRATIBIMB

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
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 college strongly supports to sensitization of students and employees towards the constitutional values, rights, duties and responsibilities. For this different subjects are introduced by RTM Nagpur University and DBATU University for the student . Some

of the subjects are Environment and Sustainability, Communication Skill and Professional Ethics. Under these subjects students will get awareness about; concept of culture and civilization, applied humanities and social engineering, sustainable development, professional ethics and organizational behavioral dynamics: leadership in industry. Also Indian constitutional and Federal system, fundamental rights and directives principles.

Institute strictly adheres to the CODE OF CONDUCT and it is strictly implemented.

Along with this different programs were also organized to show responsibilities of citizen such as :

Celebration of constitutional day

National Voters Day

Career Guidance To High School Student

Implementation of Universal Human values through syllabus

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="http://gwcet.ac.in/uploaded_files/105_Human_Values_2022-23.pdf">http://gwcet.ac.in/uploaded_files/105_Human_Values_2022-23.pdf</a>
Any other relevant information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

**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**

**A. All of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate national and international commemorative days, events and festivals and spread the message of Unity, Peace and Happiness throughout. The great personalities are ideals of the society. To remember them on their birth and death anniversaries will give motivation to every generations in the society. Their contribution and sacrifice towards the society and nation is a real source of inspiration. To make the students aware of this the institute celebrates national festivals and birth/death anniversaries of the great Indian personalities.

Independence Day on 15th August is celebrated every Year. Flag hoisting is organized and is celebrated to mark freedom of India.

Republic Day on 26th January is celebrated to remind the students about the constitution of the India every year.

Gandhi Jayanti is celebrated every year on 2nd October to understand the ideology of our leader Mahatma Gandhi.

" Dr. Sarvpalli Radhakrushnan" Birth Aniversary as TeachersDay on 05th Sept.

"Dr.A P J Abdul Kalam" Birth Anniversary celebrated on 15th October.

Institute celebrates Lokmanya Tilak Birth Anniversary on 23rd July. Institute celebrates Swami Vivekanand Jayanti on 12th Jan.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
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.

### Best Practice 1:

**Title of the Practice: National Conference**

**Objectives of the Practice:** This National conference aims to bring together leading academicians, researchers and research scholars to exchange and share their experiences and research results on aspects of Current Trends In Science Engineering And Technology. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to presents and discuss the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the fields of current trends in science engineering and technology.

From last Threeyears we are successfully conducting this type ofConferences for the researchers.

We had conducted the National Conference on "Emerging trends in Engineering, Science & Management" on 6 thFebruary 2023.

### Best Practice 2:

**Title of the Practice:Social activities for the benefits of society and community**

Social activities play a vital role in fostering the well being & development of society and communities. These activities encompass a wide range of actions and initiatives aimed at bringing people together, fostering connections, promoting mutual support, and addressing societal needs.

Computer awareness program, Community Service, Awareness Campaigns, Special camps, Career Counselling are the practice that the HEI Conducts.

File Description	Documents
Best practices in the Institutional website	<a href="http://gwcet.ac.in/uploaded_files/926_7.2_best_practices_2022-23_updated.pdf">http://gwcet.ac.in/uploaded_files/926_7.2_best_practices_2022-23_updated.pdf</a>
Any other relevant information	<a href="http://www.gwcet.ac.in">http://www.gwcet.ac.in</a>

### 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

Our founder president Late Shri. Govindraoji Wanjari was a prominent Educationist; he had an ideology 'Education for all'. He nurtured the dream of all round excellence in the field of education for middle class society. The institution stands apart from all other colleges by placing greater emphasis on producing professional students by providing value-based education and enabling the students to face challenges in modern life. The institute aims at instilling a sense of self-discipline and accountability among students and developing a respect for democratic, ethical, and moral values.

The institution has become pioneer in providing paradigmatic excellence & quality education intertwining tradition with technology & morality with modernizations. The institute has been catering to the needs of the middle & lower class by providing latest facilities & amenities to all.

Our educational group has been continuously exploring meaningful interlace with the world around us through the activities among the students. The institution strives to not only educate the students but also to make them to shine in their life and to pass on that light to others, by enkindling in them a love for learning, discovery and invention.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

Modernization of laboratories to support practical courses and research

Increasing number of ICT enabled rooms

Upgradation of the college website to communicate with the students and other stakeholders virtually

Optimum use of Learning Management System including proctored examination portal

Installation of solar street lights on the campus to reduce dependency on non-renewable energy resources

Expansion of rainwater harvesting system

To increase alumni and industry interaction to students

To motivate faculty members for the FDP programmes .

To get accreditation like NBA.

To increase Ph. D enrollment.

To bring research centre at our institute

To strengthen incubation and Entrepreneurship development activities.

Construction of auditorium and new canteen

Construction of New workshop building Renovation of existing building

Improvement of sports facilities

Building of Robotic lab in college campus

Installation of E-Yantra lab in collaboration with IIT Bombay

Installation of ISTE Faculty Chapter

Certification/MOU with EDUSKILLS