



## YEARLY STATUS REPORT - 2021-2022

### Part A

#### Data of the Institution

##### 1.Name of the Institution

GOVINDRAO WANJARI COLLEGE OF  
ENGINEERING & TECHNOLOGY

- 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. **7276388553**
- 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**

##### 2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **RTM Nagpur University, Nagpur**
- Name of the IQAC Coordinator **Mr Avishkar Wanjari**
- Phone No. **9309083281**
- Alternate phone No. **7276388555**
- Mobile **7875237169**
- IQAC e-mail address **avishkarwanjari@gmail.com**
- Alternate Email address **avishkar.gwcet@gmail.com**

**3. Website address (Web link of the AQAR (Previous Academic Year))**

[http://www.gwcet.ac.in/uploaded\\_files/AQAR\\_2020-2021.pdf](http://www.gwcet.ac.in/uploaded_files/AQAR_2020-2021.pdf)

**4. Whether Academic Calendar prepared during the year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

[http://www.gwcet.ac.in/uploaded\\_files/Academic\\_Calendar.pdf](http://www.gwcet.ac.in/uploaded_files/Academic_Calendar.pdf)

**5. Accreditation Details**

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>

**6. Date of Establishment of IQAC**

**17/11/2017**

**7. Provide the list of funds by Central / State Government**

**UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

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>

**8. Whether composition of IQAC as per latest NAAC guidelines**

**Yes**

- Upload latest notification of formation of IQAC

[View File](#)

**9.No. of IQAC meetings held during the year 4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

**10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No**

- If yes, mention the amount

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

Effective use of ICT tools for online classes during pandemic

Organizing International Conferences, Faculty Development Programme and Workshops

Result analysis and action taken for Improvement in results and placements.

Feedback analysis and actinon taken.

Motivating the staff and students for Publication in Peer reviewed journals and filing patents.

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

Plan of Action	Achievements/Outcomes
To Conduct International Conference	AICTE - ISTE Approved online 3rd International Conference was organised by EE Deptt of the Institute from 07/02/2022 to 09/02/2022
To Conduct One week workshop on Industrial Automation	AICTE ISTE Sponsored one week Workshop on Industrial Automation and Robotics was conducted by ME of HEI from 21/03/2022 to 25/03/2022
To Conduct workshop on ML and DL for Data Analysis	AICTE ISTE Approved online one week workshop on Machine Learning & Deep Learning for Data Analysis was organised by the HEI from 28/03/2022 to 1/04/2022
To organize FDP for Civil Engineering in association with Indian Plumbing Association	AICTE ISTE Approved online FDP on Modern Trends in Civil Engineering was organized by HEI in association with Indian Plumbing Association from 11/04/2022 to 13/04/2022

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

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	20/10/2022

14. Whether institutional data submitted to AISHE

## Part A

### Data of the Institution

<b>1.Name of the Institution</b>	GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY
• Name of the Head of the institution	DR SALIM CHAVAN
• Designation	PRINCIPAL
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• Mobile	7875237169				
• IQAC e-mail address	avishkarwanjari@gmail.com				
• Alternate Email address	avishkar.gwcet@gmail.com				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://www.gwcet.ac.in/uploaded/files/AQAR_2020-2021.pdf">http://www.gwcet.ac.in/uploaded/files/AQAR_2020-2021.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.gwcet.ac.in/uploaded/files/Academic_Calendar.pdf">http://www.gwcet.ac.in/uploaded/files/Academic_Calendar.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.44	2019	18/10/2019	17/10/2024
<b>6.Date of Establishment of IQAC</b>			17/11/2017		
<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	
Nil	Nil	Nil	Nil	Nil	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			4		
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?			Yes		

<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	
<p><b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b></p>	No	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>		
<p><b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b></p>		
<p>Effective use of ICT tools for online classes during pandemic</p>		
<p>Organizing International Conferences, Faculty Development Programme and Workshops</p>		
<p>Result analysis and action taken for Improvement in results and placements.</p>		
<p>Feedback analysis and actinon taken.</p>		
<p>Motivating the staff and students for Publication in Peer reviewed journals and filing patents.</p>		
<p><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></p>		
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<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
<b>Name</b>	<b>Date of meeting(s)</b>
<b>Governing Body</b>	<b>20/10/2022</b>
<b>14. Whether institutional data submitted to AISHE</b>	
<b>Year</b>	<b>Date of Submission</b>
<b>2021-22</b>	<b>25/11/2022</b>
<b>15. Multidisciplinary / interdisciplinary</b>	
As per the directions mentioned in NEP 2020, GW CET 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.

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

GW CET is affiliated to DBATU (1st Year) and RTMNU (2nd, 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 GW CET 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:**

GW CET has designed the skill development programs in various domains such as Centre for Innovation, Invention 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's.

#### **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 Outcomes 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. During the pandemic the college has adopted the online and hybrid mode of Teaching and Learning by using platforms like Google Meet, Free Conference Call, Teachmint and Zoom Platforms. Each course content are available on Teachmint including syllabus, ppt's and subject notes. The assessment of courses is done through online assignments and online test through Google forms. Various students and faculty activities are conducted using above mentioned platforms.

## Extended Profile

### 1.Programme

1.1	210
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	1407
Number of students during the year	

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

2.2	1357
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	284
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	81
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	78
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	313.849
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	380
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 Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur and in the same year we had taken the affiliation of Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere. Therefore we follow the curriculum designed by Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur for the Final Year, Third Year and Second Year courses. Similarly our First Year 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 every departmental 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 students in each semester as per the guidelines and academic Calendar 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	Nil

### 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	Nil

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the** A. All of the above

**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**

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>

## **1.2 - Academic Flexibility**

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

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

**7**

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<b>No File Uploaded</b>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

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

**1**

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>

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

30

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>

## 1.3 - Curriculum Enrichment

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 has Energy & Environment Engineering and Environmental Studies subject which sharpen 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 skill

subject 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	No File Uploaded
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

457

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

457



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://www.gwcet.ac.in/uploaded_files/75_1_4.1_Feedback_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/75_1_4.1_Feedback_compressed.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://www.gwcet.ac.in/uploaded_files/75_1_4.1_Feedback_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/75_1_4.1_Feedback_compressed.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**

661

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**

518

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

Students are identified based on (New scheme with effective from 2020-2021):

1. learners are separated by evaluating the score of Class Test I or Sessional Exam or Mid Semester Exam I, here total 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 conduct 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	Nil
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
1407	81

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 (2021-2022), 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 (2021-2022), 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	Nil

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

81

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

81

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

8

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

637

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	Nil

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 Year Students) and RTMNU (For Higher Sem 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	Nil

## 2.6 - Student Performance and Learning Outcomes

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

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	Nil
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	Nil

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

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

233

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	No File Uploaded
Paste link for the annual report	<a href="http://www.gwcet.ac.in/uploaded_files/564_Annual_Report.pdf">http://www.gwcet.ac.in/uploaded_files/564_Annual_Report.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/296\\_Word\\_2.7.1.pdf](http://gwcet.ac.in/uploaded_files/296_Word_2.7.1.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)	No File Uploaded

**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**

0

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

**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)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

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

Centre for Incubation and Entrepreneurship Development (CIED) is a Non-Profit Making Centre at GovindraoWanjari College of Engineering & Technology, Nagpur, 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 CIED is to produce successful firms that will leave the program financially capable and stand alone firm. These incubators "graduates" create job, commercialize new technologies and strengthen national economies. Incubator tenants not only benefit from business and technical assistance, they also benefit from official affiliation with the incubator, a supportive community with an entrepreneurial environment, direct link to entrepreneurs and immediate networking and commercial opportunities with other tenant firms.

The Ecosystem CIED 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.

#### Mission

- To motivate, build and promote out of the box thinking to develop innovative ideas.
- To build an environment that will facilitate the creation of social enterprise knowledge through research and empower students to apply their entrepreneurship abilities

- To develop solutions for greater social impact through academia.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="http://gwcet.ac.in/Department/DepartmentHome.aspx?nDeptID=mg">http://gwcet.ac.in/Department/DepartmentHome.aspx?nDeptID=mg</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

1

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

0

File Description	Documents
URL to the research page on HEI website	<a href="http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=cacgg&amp;nDeptID=oc">http://www.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)	No File Uploaded
Any additional information	No File Uploaded

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

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

25

File Description	Documents
Any additional information	<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**

4

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

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

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

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

8

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

638

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

239

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

22

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 Cleaned class room with more than capacity of 60

22

1536

2

Tutorial rooms

Well-equipped green board room

6

223

3

Laboratories

As per the requirement of Apparatus

40

2869

4

Workshop

Well equipped for conduction of Workshop activities

1

200

5

Seminar Hall

Well equipped with projectors

02

332

6

Computer Center

Having required desktop and software's

01

168

7

Drawing Hall

Equipped with drawing table

01

141

8

Library

Equipped with all departmental books, journal, magazines etc.

01

509

9

Smart class rooms

Equipped with ICT facility

07

462

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

#### Sport & Cultural Activities Details:

- College has playground with sports facilities like volleyball, Cricket, mix cricket, tug of war, 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 cultural technical Event "Technostorm- A National Level Event " where various competitions are carried out such as technical Paper Presentation , Poster Competition, Science Exhibition, Roborace etc. Students from various regions are participated in the competitions and won the attractive prizes.
- Under the banner of Ganesh Utsav college organizes various sports activities.
- Every year college conducts cultural activities through Annual Social Gathering event UTSAV are organized followed by dinner to students and faculties.
- 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	Nil

#### 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	Nil
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)

2.695

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 SoftlibSoftware 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 and faculty to browse a book by author, title, publisher or any keyword.
- Barcode based circulation of books is implemented
- Library is having collections of e- journals and e- books.
- GW CET Central Library has a provision of access to e- journals, NPTEL video lectures, DELNET, Project Report for UG, PG programs. 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 and their activities

The details of ILMS are -

Sr.No.

Name of ILMS Software

Nature of Automation

Version



**Year of Automation**

1

Sack info Softlib Software

Fully

2.5

2013-2014

2

Sack info Softlib Software

Fully

2.5

2014-2015

3

Sack info Softlib Software

Fully

2.5

2015-2016

4

Sack info Softlib Software

Fully

2.5

2016-2017

5

Sack info Softlib Software

Fully

2.5

2017-2018

6

Sack info Softlib Software

Fully

2.5

2018-2019

7

LIBMAN Software

Fully

Cloud Based

2019-2020

8

LIBMAN Software

Fully

Cloud Based

2020-2021

9

LIBMAN Software

Fully

Cloud Based

2021-2022

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

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)**

2.34

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**

160

File Description	Documents
Any additional information	<a href="#">View File</a>
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 college has adequate IT facilities for students and faculties. Total 380 computers are available with adequate WIFI points. All the systems are equipped with system softwares and application softwares. Facilities are updated every year as per requirement.

The Institute has a practice to install the latest softwares as and when required, Also the lease line bandwidth is increased to 100 MBPS from 50 MBPS.

The storage capacity of existing machines is upgraded by installing new RAM chips of 4GB to make it 8GB.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

380

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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)

40.70

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.

Policy details for maintaining and utilizing physical, Academic and Support facilities are as follows.

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. Concerned laboratory in-charge refers the case to

HOD. Then HOD refers to the service provider.

1. Institute has employed technicians for maintenance electrical equipments, purified drinking water facilities and drainage facilities.
2. Security staff is employed on contract basis to safe guard the whole premises.
3. Internet connectivity, CCTV security system and network connectivity is maintained by network administration team
4. Software upgradation of each departmental laboratories is done at department Level.
5. Maintenance of garden, tree plantation, landscapes maintenance, external and physical beautification of the college campus have been done by the respective in-charges .
6. Annual stock verification is done in all departments and report of damage and non functional equipments are forwarded and repair is undertaken accordingly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

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

1357

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>

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

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

507

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>

### 5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	<a href="http://www.gwcet.ac.in/uploaded_files/997_5.1.3_Updated_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/997_5.1.3_Updated_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

90

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

90

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



33

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

2

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.

0

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

275

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.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

File Description	Documents
Upload any additional information	No File Uploaded

### 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.

Mission statements of the Institute are defined to meet requirement of society, students, industry and to add values among the students. 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.

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.

One Week Workshop on Machine Learning & Deep Learning for Data Analysis was conducted . This event shall endow platform for students to learn the booming Engineering subject. 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. The decision making procedures are made at appropriate levels in the organizational hierarchy.

#### 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 ; President and Secretary of the College Students' Council; Principal of the college or head of the institution - Member - Secretary.



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 interfaces	<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

### List of welfare measures for the teaching staff

1. Duty Leave for attending Seminars, Conferences and Workshops.

For encouraging the faculty towards research and development, the management permits the employees to attend national and international conferences, seminars, and workshops by sanctioning them duty leave. Further it also reimburses 50% of the registration fee and required transport allowances for attending two seminars per faculty in a year.

1. Employee's Provident fund.

As Per the EPF Act the institution provides provident funds, pension fund and deposit-linked insurance fund for employees. The institution has the mandatory provision of EPF and contributes the eligible amount to the respective EPF account.

1. Maternity Leave.

College renders a maternity leave to eligible lady staff as per the rules of the government.

- 1. Medical Health Care Centre Facility.
- 2. Eco-Friendly campus.

The institution has eco-friendly environment with least air pollution. The green trees provide fresh air to breathe in.

1. Pure Drinking R.O. Water.

R.O. plants are installed at all the coolers available in the college for providing pure and safe drinking water to the staff and students. There are two ROs in the institution which are covered with an AMC for regular maintenance.

1. Winter & Summer Vacation.

The winter & summer vacation are provided to the staff as per university norms.

1. Loan facility.

Loan facility is available for institute staff through Govind Urban Cooperative Society, Nagpur which is run by Amar SevaMandal.

1. Transport facility for teaching staff.

The bus facility is available for teaching staff

File Description	Documents
Paste link for additional information	Nil
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

32

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
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

25

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, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur as well as Government of Maharashtra.

Each faculty member completes the self-appraisal procedure every year in the format prescribed by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

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	Nil
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

The mechanism for internal and external audit is given below.

**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	Nil
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)	No File Uploaded

#### 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	Nil
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.

## Objective

- To update the subject file, lab file and other activity as per academic plan.
- To assess the learning level of students and student centric method.
- To assess whether the institution adheres to the academic calendar for conduct of continuous internal evaluation

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	Nil
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 at 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 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.

IQAC collects the feedback on curriculum aspects and courses from different stakeholders such as the current students, alumni, Faculty members and Employers. College establishes a committee in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by committee for various issues in every semester, utilization of infrastructure and requirements for quality improvement. Institute collects feedback physically from stakeholder's on Curriculum which is prescribed by the university.

File Description	Documents
Paste link for additional information	Nil
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_REPORT_21-22.pdf&amp;target=Deptuploaded_files">http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_REPORT_21-22.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://www.gwcet.ac.in/uploaded_files/172_7.1.1_Action_plan_of_Gender_Equity_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/172_7.1.1_Action_plan_of_Gender_Equity_2021-22.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://www.gwcet.ac.in/uploaded_files/436_7.1.1_Safety_security_Add_Info_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/436_7.1.1_Safety_security_Add_Info_2021-22.pdf</a>

**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**

**C. Any 2 of the above**

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>

**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 **C. Any 2 of the above**

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**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** **A. Any 4 or All of the above**

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

File Description	Documents
Geo tagged photos / videos of the facilities	<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**

**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
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 ? Sports, ? 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 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
- Azadi ka Amrut Mahotsav activities
- 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://www.gwcet.ac.in/uploaded_files/20_7_1.9_updated.pdf">http://www.gwcet.ac.in/uploaded_files/20_7_1.9_updated.pdf</a>
Any other relevant information	Nil

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

**4. Annual awareness programmes on Code of Conduct are organized**

**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: Online 3rd International Conference

Objectives of the Practice:

This International 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 two years we are successfully conducting this type of online International Conferences for the researchers

We had conducted theOnline 3rdInternational Conference on "Recent Trends in Science, Engineering & Technology" on 7th February 2022 to 9th February 2022.

Best Practice 2:

Title of the Practice:Computer Awareness Program for Rural Areas

Objectives of the Practice:

- To understand computer literacy levels and computer skills of Students from rural Areas
- To understandaccessibility of computers for students.

Context:

Use of computers & internet is growing every day. Rural people are not aware about technologies. If they become computer literate the world of information is open for them. They can collect information about their sector and work accordingly. Rural people can increase their business. If students are trained properly, they can acquire lot of knowledge and improve their skills. If computer literacy in rural areas increases the development speed will automatically increase.

File Description	Documents
Best practices in the Institutional website	<a href="http://www.gwcet.ac.in/uploaded_files/825_7.2_best_practices_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/825_7.2_best_practices_2021-22.pdf</a>
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

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

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.

## 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 Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur and in the same year we had taken the affiliation of Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere. Therefore we follow the curriculum designed by Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur for the Final Year, Third Year and Second Year courses. Similarly our First Year 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 every departmental 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 students in each semester as per the guidelines and academic Calendar 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	Nil

### 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	Nil

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

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## **1.2 - Academic Flexibility**

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

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

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>

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

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

1

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>

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

30

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>

**1.3 - Curriculum Enrichment**

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 ofscience. 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 skill subject 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	No File Uploaded
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

457

File Description	Documents
Any additional information	<a href="#">View File</a>
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	
457	
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	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
File Description	Documents
URL for stakeholder feedback report	<a href="http://www.gwcet.ac.in/uploaded_files/75_1.4.1_Feedback_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/75_1.4.1_Feedback_compressed.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>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="http://www.gwcet.ac.in/uploaded_files/75_1.4.1_Feedback_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/75_1.4.1_Feedback_compressed.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**

661

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**

518

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

Students are identified based on (New scheme with effective from 2020-2021):

1. learners are separated by evaluating the score of Class Test I or Sessional Exam or Mid Semester Exam I, here total 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 conduct 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	Nil
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
1407	81

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 (2021-2022), 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 (2021-2022), 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	Nil

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

81

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

81

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

8

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

637

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	Nil

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 Year Students) and RTMNU (For Higher Sem 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	Nil

## 2.6 - Student Performance and Learning Outcomes

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

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	Nil
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	Nil

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

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

233

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	No File Uploaded
Paste link for the annual report	<a href="http://www.gwcet.ac.in/uploaded_files/564_Annual_Report.pdf">http://www.gwcet.ac.in/uploaded_files/564_Annual_Report.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/296\\_Word\\_2.7.1.pdf](http://gwcet.ac.in/uploaded_files/296_Word_2.7.1.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)	No File Uploaded

**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**

0

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	No File Uploaded

**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)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

### 3.2 - Innovation Ecosystem

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

Centre for Incubation and Entrepreneurship Development (CIED) is a Non-Profit Making Centre at GovindraoWanjari College of Engineering & Technology, Nagpur, 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 CIED is to produce successful firms that will leave the program financially capable and stand alone firm. These incubators "graduates" create job, commercialize new technologies and strengthen national economies. Incubator tenants not only benefit from business and technical assistance, they also benefit from official affiliation with the incubator, a supportive community with an entrepreneurial environment, direct link to entrepreneurs and immediate networking and commercial opportunities with other tenant firms.

The Ecosystem CIED 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.

#### Mission

- To motivate, build and promote out of the box thinking to develop innovative ideas.
- To build an environment that will facilitate the creation

of social enterprise knowledge through research and empower students to apply their entrepreneurship abilities

- To develop solutions for greater social impact through academia.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="http://gwcet.ac.in/Department/DepartmentHome.aspx?nDeptID=mg">http://gwcet.ac.in/Department/DepartmentHome.aspx?nDeptID=mg</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

1

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

0

File Description	Documents
URL to the research page on HEI website	<a href="http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&amp;ItemID=cacgg&amp;nDeptID=oc">http://www.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)	No File Uploaded
Any additional information	No File Uploaded

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

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

25

File Description	Documents
Any additional information	<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

4

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

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	No File Uploaded
e-copy of the award letters	No File Uploaded

### 3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS

awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

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

8

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**

638

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**

239

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

22

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 Cleaned class room with more than capacity of 60

22

1536

2

Tutorial rooms

Well-equipped green board room

6

223

3

Laboratories

As per the requirement of Apparatus

40

2869

4

Workshop

Well equipped for conduction of Workshop activities

1

200

5

Seminar Hall

Well equipped with projectors

02

332

6

Computer Center

Having required desktop and software's

01

168

7

Drawing Hall

Equipped with drawing table

01

141

8

Library

Equipped with all departmental books, journal, magazines etc.

01

509

9

Smart class rooms

Equipped with ICT facility

07

462

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

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

#### Sport & Cultural Activities Details:

- College has playground with sports facilities like volleyball, Cricket, mix cricket, tug of war, 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 cultural technical Event "Technostorm- A National Level Event " where various competitions are carried out such as technical Paper Presentation , Poster Competition, Science Exhibition, Roborace etc. Students from various regions are participated in the competitions and won the attractive prizes.
- Under the banner of Ganesh Utsavcollege organizes various sports activities.
- Every year college conducts cultural activities through Annual Social Gathering event UTSAV are organized followed by dinner to students and faculties.
- 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	Nil

**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	Nil
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)**

2.695

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 SoftlibSoftware 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 and faculty to browse a book by author, title, publisher or any keyword.
- Barcode based circulation of books is implemented
- Library is having collections of e- journals and e-books.
- GWCET Central Library has a provision of access to e-journals, NPTEL video lectures, DELNET, Project Report for UG, PG programs. 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 and their activities

The details of ILMS are -

Sr.No.

Name of ILMS Software

Nature of Automation

Version

Year of Automation

1

Sack info Softlib Software

Fully

2.5

2013-2014

2

Sack info Softlib Software

Fully

2.5

2014-2015

3

Sack info Softlib Software

Fully

2.5

2015-2016

4

Sack info Softlib Software

Fully

2.5

2016-2017

5



Sack info Softlib Software

Fully

2.5

2017-2018

6

Sack info Softlib Software

Fully

2.5

2018-2019

7

LIBMAN Software

Fully

Cloud Based

2019-2020

8

LIBMAN Software

Fully

Cloud Based

2020-2021

9

LIBMAN Software

Fully

Cloud Based

**2021-2022**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	<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)**

**2.34**

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**

**160**

File Description	Documents
Any additional information	<a href="#">View File</a>
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 college has adequate IT facilities for students and faculties. Total 380 computers are available with adequate WIFI points. All the systems are equipped with system softwares and application softwares. Facilities are updated every year as per requirement.

The Institute has a practice to install the latest softwares as and when required, Also the leaseline bandwidth is increased to 100 MBPS from 50 MBPS.

The storage capacity of existing machines is upgraded by installing new RAM chips of 4GB to make it 8GB.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

380

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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)

40.70

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.

Policy details for maintaining and utilizing physical, Academic and Support facilities are as follows.

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. Concerned laboratory in-charge refers the case to

HOD. Then HOD refers to the service provider.

1. Institute has employed technicians for maintenance electrical equipments, purified drinking water facilities and drainage facilities.
2. Security staff is employed on contract basis to safe guard the whole premises.
3. Internet connectivity, CCTV security system and network connectivity is maintained by network administration team
4. Software upgradation of each departmental laboratories is done at department Level.
5. Maintenance of garden, tree plantation, landscapes maintenance, external and physical beautification of the college campus have been done by the respective in-charges .
6. Annual stock verification is done in all departments and report of damage and non functional equipments are forwarded and repair is undertaken accordingly.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**STUDENT SUPPORT AND PROGRESSION**

**5.1 - Student Support**

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

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

1357

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>

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

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

507

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>

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="http://www.gwcet.ac.in/uploaded_files/997_5.1.3_Updated_compressed.pdf">http://www.gwcet.ac.in/uploaded_files/997_5.1.3_Updated_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**

90

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

90

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**

33

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**

2

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.**

0

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

275

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 GWCET 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 theGWCET for the benefit of the weaker section of the society.
3. To take up public interest matters relating to the past students of GWCET in this area withState and Central Government and Semi Government or private organizations or public co-operations.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

File Description	Documents
Upload any additional information	No File Uploaded

## 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.

Mission statements of the Institute are defined to meet requirement of society, students, industry and to add values among the students. 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.

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.

One Week Workshop on Machine Learning & Deep Learning for Data Analysis was conducted . This event shall endow platform for students to learn the booming Engineering subject. 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. The decision making procedures are made at appropriate levels in the organizational hierarchy.

#### 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 ; President and Secretary of the College Students' Council; Principal of the college or head of the institution - Member - Secretary.

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

#### List of welfare measures for the teaching staff

1. Duty Leave for attending Seminars, Conferences and Workshops.

For encouraging the faculty towards research and development, the management permits the employees to attend national and international conferences, seminars, and workshops by sanctioning them duty leave. Further it also reimburses 50% of the registration fee and required transport allowances for attending two seminars per faculty in a year.

1. Employee's Provident fund.



As Per the EPF Act the institution provides provident funds, pension fund and deposit-linked insurance fund for employees. The institution has the mandatory provision of EPF and contributes the eligible amount to the respective EPF account.

1. Maternity Leave.

College renders a maternity leave to eligible lady staff as per the rules of the government.

- 1. Medical Health Care Centre Facility.
- 2. Eco-Friendly campus.

The institution has eco-friendly environment with least air pollution. The green trees provide fresh air to breathe in.

1. Pure Drinking R.O. Water.

R.O. plants are installed at all the coolers available in the college for providing pure and safe drinking water to the staff and students. There are two ROs in the institution which are covered with an AMC for regular maintenance.

1. Winter & Summer Vacation.

The winter & summer vacation are provided to the staff as per university norms.

1. Loan facility.

Loan facility is available for institute staff through Govind Urban Cooperative Society, Nagpur which is run by Amar SevaMandal.

1. Transport facility for teaching staff.

The bus facility is available for teaching staff

File Description	Documents
Paste link for additional information	Nil
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**

32

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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**

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	<a href="#">View File</a>
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**

25

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, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur as well as Government of Maharashtra.

Each faculty member completes the self-appraisal procedure every year in the format prescribed by Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

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	Nil
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

The mechanism for internal and external audit is given below.

**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	Nil
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)	No File Uploaded

#### 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	Nil
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.

**Objective**

- To update the subject file, lab file and other activity as per academic plan.
- To assess the learning level of students and student centric method.
- To assess whether the institution adheres to the academic calendar for conduct of continuous internal evaluation

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	Nil
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 at 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 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.

IQAC collects the feedback on curriculum aspects and courses from different stakeholders such as the current students, alumni, Faculty members and Employers. College establishes a committee in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by committee for various issues in every semester, utilization of infrastructure and requirements for quality improvement. Institute collects feedback physically from stakeholder's on Curriculum which is prescribed by the university.

File Description	Documents
Paste link for additional information	Nil
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_REPORT_21-22.pdf&amp;target=Deptuploaded_files">http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_REPORT_21-22.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** GW CET has made a strong commitment to gender equality in the workplace. GW CET 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 GW CET 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://www.gwcet.ac.in/uploaded_files/172_7.1.1_Action_plan_of_Gender_Equity_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/172_7.1.1_Action_plan_of_Gender_Equity_2021-22.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://www.gwcet.ac.in/uploaded_files/436_7.1.1_Safety_security_Add_Info_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/436_7.1.1_Safety_security_Add_Info_2021-22.pdf</a>

**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**

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

**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>

**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**

C. Any 2 of the above

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**

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

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered

<p><b>vehicles</b></p> <p><b>3. Pedestrian-friendly pathways</b></p> <p><b>4. Ban on use of plastic</b></p> <p><b>5. Landscaping</b></p>	
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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**

<p><b>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></p>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<b>No File Uploaded</b>
Any other relevant information	<a href="#">View File</a>

<p><b>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,</b></p>	<p><b>B. Any 3 of the above</b></p>
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**mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<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 ? Sports, ? 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 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
- Azadi ka Amrut Mahotsav activities
- 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://www.gwcet.ac.in/uploaded_files/20_7.1.9_updated.pdf">http://www.gwcet.ac.in/uploaded_files/20_7.1.9_updated.pdf</a>
Any other relevant information	Nil

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

**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 Anniversary 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: Online 3rd International Conference**

**Objectives of the Practice:**

This International 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 two years we are successfully conducting this type of online International Conferences for the researchers

We had conducted theOnline 3rdInternational Conference on "Recent Trends in Science, Engineering & Technology" on 7th February 2022 to 9th February 2022.

### Best Practice 2:

**Title of the Practice:Computer Awareness Program for Rural Areas**

**Objectives of the Practice:**

- To understand computer literacy levels and computer skills of Students from rural Areas



- To understand accessibility of computers for students.

**Context:**

Use of computers & internet is growing every day. Rural people are not aware about technologies. If they become computer literate the world of information is open for them. They can collect information about their sector and work accordingly. Rural people can increase their business. If students are trained properly, they can acquire lot of knowledge and improve their skills. If computer literacy in rural areas increases the development speed will automatically increase.

File Description	Documents
Best practices in the Institutional website	<a href="http://www.gwcet.ac.in/uploaded_files/825_7.2_best_practices_2021-22.pdf">http://www.gwcet.ac.in/uploaded_files/825_7.2_best_practices_2021-22.pdf</a>
Any other relevant information	Nil

**7.3 - Institutional Distinctiveness**

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

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