YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	GOVINDRAO WANJARI COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGPUR
• Name of the Head of the institution	Dr. Salim A. Chavan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	07276388553
• Mobile no	9511761245
• Registered e-mail	gwcet2008@gmail.com
• Alternate e-mail	principal1.gwcet@gmail.com
• Address	Salai Godhani,Near Chikana Village,Hudkeshwar Road, Nagpur
• 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	**RashtraSant Tukdoji Maharaj Nagpur University, Nagpur**
• Name of the IQAC Coordinator	**Prof. A. V. Wanjari**
• Phone No.	**7875237169**
• Alternate phone No.	**07276388555**
• Mobile	**9309083281**
• IQAC e-mail address	**avishkarwanjari@gmail.com**
• Alternate Email address	**avishkarwanjari2021@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	http://www.gwcet.ac.in/uploaded_files/785_AQAR_Report_FINAL_2019-20.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/2021-2022-Academic-Calender.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.44**	**2019**	**18/10/2019**	**17/10/2024**

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
Nil	**Nil**	**Nil**	**Nil**	**Nil**

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

IQAC		
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)

Motivate all the department to organize webinars/seminars with Industry Linkage like Electrical Engineering department had conducted with the help of SEIMENS on dated 21st May 2021.

All the heads of the departments were also motivated to organise International conference/FDP/STTP with foreign delegates and participants like Electrical Department had done Online International Conference with foreign delegates and participants on dated 15th June 2021

Motivate the departments to organise webinar/seminar by well known Academic Faculty in their respective field like Dr. D.P.Kothari, Ex-Vice Chancellor, VIT, Vellore had taken webinar on dated 04/02/2021

Academic Monitoring and Audit in each session for academic excellence is directed to be implemented

Feedback of faculty from students and taking action for improvement for teaching learning process.

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
Submit AQAR for the session 2020-21	It will be submitted within prescribed date
To organise International Conference with foreign delegates and participants	Online International conference was organised from 15th June 2021 to 17th June 2021 with delegates from UK, Dubai and India
To organise lectures from renowned academicians	An online seminar was organised on4th February 2021 by Dr D P Kothari, EX Vice Chancellor, VIT Vellore on
To organise industry oriented lectures/seminars	A seminar was organised by SEIMENS on 21st May 2021 by EE Deptt. CSE and ME Deptt had also organised Industry oriented lectures with speakers from industries such as Nil Digital Enterprises, Pune and CAD/CAM Guru Solutions Ltd respectively.
Feedback from stake holder	Feedback was taken from the stakeholders

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

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	19/06/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	05/01/2022

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	7

File Description	Documents
Data Template	[View File]

2.Student

2.1 Number of students during the year	1153

File Description	Documents
Institutional Data in Prescribed Format	[View File]

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	1089

File Description	Documents
Data Template	[View File]

2.3 Number of outgoing/ final year students during the year	198

File Description	Documents
Data Template	[View File]

3.Academic

3.1 Number of full time teachers during the year	73

File Description	Documents
Data Template	[View File]

3.2 Number of sanctioned posts during the year	78

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

4.Institution

4.1 Total number of Classrooms and Seminar halls	**28**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**141.25**
4.3 Total number of computers on campus for academic purposes	**300**

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, Nagpur, so we follow the curriculum designed by it. At the beginning of academic session the college prepares the academic calendar which consists of many activities for effective implementation and delivery of curriculum. We undertake following measures for effective delivery of the university curriculum at college level

- **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.**
- **Online Unit Tests are conducted periodically and its results are displayed, 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 under the supervision of faculty.**
- **Guest lecturers of eminent faculties are arranged to give exposure of the current trends and the latest subject knowledge.**

- **ICT is used for effective teaching by the teachers of various departments.**
- **Remedial coaching is given to slow learners ,also Students-Teacher -Guardian Scheme (Mentor-Mentee) is implemented for identifying problems of the students issue related to regarding academic, social and financial.**

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://gwcet.ac.in/uploaded_files/1.1.1Curricular_Delivery.pdf

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 all the classes and examinations are planned as per the calendar.

Observance of Continuous Internal Evaluation with Academic Calendar

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

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 of academic calendar.

3. Internal Examinations: Schedule of Sessional1, Sessional2 and Pre-university Exam (PUT) are mentioned in the academic calendar. Results are displayed within two days after commencement 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.

    1. Academic Monitoring: Each Head of the Department maintain a monthly syllabus coverage report, 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	View File
Link for Additional information	http://gwcet.ac.in/uploaded_files/1.1.1Curricular_Delivery.pdf

1.1.3 - Teachers of the Institution participate in **C. Any 2 of the above** **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**

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

1.2 - Academic Flexibility

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

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

6

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

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

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

1

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

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

30

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

1.3 - Curriculum Enrichment

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

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 second year there is a subject Environmental Studies in which sharpen the ability of scholars to grasp the nature and results of science. In Civil Engineering Programme, students learn Environmental Engineering as core subject and are offered with many electives on Environment and sustainability and many more which is opted by students. Many Projects are undertaken by final year students related to environmental issues.

Ethical science course is included in first year (2ndsem) curriculum which is common for all programs, in which students get knowledge about applied humanities and social engineering, sustainable development. 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 practical based on communication skill in which students can learn letter writing, principles of public speaking, professional communication Skill. Information Technology and Computer Science & Engineering course curriculum includes a subject on Professional Ethics.

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.	View File

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

6

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

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

137

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

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://gwcet.ac.in/uploaded_files/1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	**No File Uploaded**
Any additional information	View File

1.4.2 - Feedback process of the Institution may

A. Feedback collected, analyzed

be classified as follows   **and action taken and feedback available on website**

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	http://gwcet.ac.in/uploaded_files/1.4.2.pdf

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

619

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

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

554

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

We have a streamlined mechanism for continuous monitoring and evaluation of the students. We are considering some special grade factors for identifying the level of students. This system helps to identify slow learners & advance learners.

Students are identified based on:

1. Slow learners and Advance learners are separated by evaluating the score or percentage of HSSC/MHTCET / JEE / Poly final year / last university examination having 50 % weightage.

2. Slow learners and Advance learners are differentiated on the basis of score in Class Test I or Sessional examination-I conducted by all department for the entire students, having 50% weightage.

Presently, we modified the same system by considering and including one special grade factor, the special grade factor is to perform objective test for the entire students by all the departments, on the basis of test score, slow learners and advance learners are identified.

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

1. Students having score below 60 % are assigned to a faculty as mentor, the personal and academic care of such students is taken by the corresponding mentors.

2. The counselors monitor the academic performance of the students to understand the student's issues that affect their ability to learn and assess the nature of their problems and motivate them to reach their academic goals. The appropriate counseling with additional teaching eventually helps to attend classes regularly.

3. Mentors communicate regularly with the parents regarding the attendance, performance and progress of each assessment of students.

4. Departments conduct remedial classes to revise syllabus covered up to class test-I or sessional exam I and provide course notes to students. Department also conduct some extra classes to prepare the slow learners to pass the exam.

5. Slow learners who are not able to manage with the teaching in regular classes, are assisted through clarification of their doubts, revising important concepts and extra assignments.

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

1. Advance learners having score above 60 % are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc.,

2. The bright and diligent students are motivated by providing extra test series and extra challengeable assignments to get higher ranks in university.

3. The students are encouraged to become a member of professional bodies to organize technical events and also provided opportunities to develop their creativity by participating and organizing intercollegiate as well as national level technical symposiums.

4. The students are advised to participate in group discussions, technical quizzes and subjective seminars to develop their problem-solving abilities and to improve their presentation skills. The students are also encouraged to participate in project work aiming at inculcating research orientation

5. The departments conduct various club activities and NTPEL session to mould the students in corresponding field and also encourage to appear in the competitive exams like GATE, GRE, TOEFL, IELTS, CAT, PGCET etc.,

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

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

Number of Students	Number of Teachers
1153	**73**

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

1. Regular Teaching Techniques

Class Room Lectures & E- Learning Resources: Classroom lectures interspersed with discussion, resource for sound understanding, fundamentals, design and implementation. Generally teaching is carried out with conventional green-board and through PPTs using LCD projectors for explanation and visualization.

In current session (2020-2021), the teaching (Theory and Practical session) carried out through online mode (Zoom Meet). NPTEL videos e-sources are also used for indepth learning of the subjects.

2. Experiential learning:

Experiential learning supports students in applying their knowledge understanding to real-world problems in a formal guided manner.

Laboratory sessions and Simulation: Technical education is always justified with the help of practical knowledge. In this context, we provide exposure to our students in the laboratories from the first year. Later from the second year, students related to the core department are given an exposure to their course related advanced practical orientation through various agencies in the respective field.In current session (2020-2021), the Practical sessioncarried out through online mode (Zoom Meet). We have MoUs with various industries to provide platform to the students for experiential learning.

3. Participative learning:

The students of our college are made to participate in different brain-storming activities and case studies by consultation with field experts. Group discussions, Technical Quizzes, Debates are conducted and students are motivated to participate in these activities. As the students come with different opinions and thought processes, the learning process gets justified in the arguemental way.

The students are given various opportunities to showcase their talent, communication and technical competency through brainstorming sessions, numerous contests, and seminars and encouraged to become members of professional bodies. They are also 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

Assignments on various topics are given regularly to increase engagement with subject and its understanding.

Case studies and Mini projects: To developed 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 RTM Nagpur University. The students are divided into small groups so that personal attention can be given and every student's role will become prominent.

File Description	Documents
Upload any additional information	View File
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

Institute follows ICT enabled teaching in addition to the chalk and talk method of teaching in classroom. Teachers using ICT for effective teaching with LMS & E-learning resources etc. The use of multimedia teaching aids like, LCD projectors, interactive digital board/computer/laptops, IT enabled learning tools such as PPT, Video (DELNET & NPTEL) & Audio, online sources systems are usually use to expose the students for advanced knowledge and practical learning.

Departments conduct seminars, workshops and guest lectures on the new developments in the 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 students' get all their academic information on web-link provided by Institute. Sufficient number of books, Journals, e-journals and e-books are available online in the library.

Internet and Wi-Fi facility is made available to all the students of institute at free of charge. You-Tube, E-mails, Whatsapp group, Zoom, Google meet, Teach-mint app and Google classrooms are used as platforms to communication, provide material and syllabus, make announcements, conduct tests, upload assignments, make presentations, address queries, mentor to share information.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

73

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

73

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

6

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

455

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

Internal assessment in college is so transparent that every student has an idea about the standard internal evaluation process of the theory /practical subjects. The institute follows the regulations of RTM Nagpur University and internal assessment is carried out in a systematic manner for theory, practical and project work. The 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.,

All examinations are conducted as per academic calendar. All examination Marks will be displayed in the department notice boards.

If the students fail to appear due to some sound reason in examination, then the students are permitted to appear in re-sessional examinations and also given an opportunity to improve their marks by appearing in an oral examination, participation and performance in technical/non technical activities. All records of attendance and exam are properly maintained for academic monitoring.

A Parents' meet is organized in each semester and its information given to parents either through call/SMS /letter. Parents are shown complete student record including attendance, marks scored in each subject, assignments submitted, extra-curricular and other activities attended by their wards. Parents can also view the answer sheets.

File Description	Documents
Any additional information	[View File](#)
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. If the students have any queries then they approach the mentor, the mentor tries to find the solution. 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 the matter still remains unsolved, students and mentor can always approach Head of the Department who solves the matter in consultation with higher authorities if required, the internal marks and grades are to be submitted on-line within a stipulated time frame. Thus, the process of sorting out grievance becomes time-bound and transparent.

If the 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 RashtrasantTukadojiMaharaj Nagpur University through concerned clerk of the college who tries to get the solution. With reference to evaluation, if the student scores less mark than expected, he/she can apply for revaluation of his/her answer script after paying the prescribed fee. University provides the photocopy of answer sheets to students regarding any grievances with reference to evaluation. Student can apply for revaluation if he/she feels that evaluation is not correct.

File Description	Documents
Any additional information	[View File](#)
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 Program Outcomes: POs are the statements that describe what the students learn from engineering programs and should be able to do after completion of the program. Program Specific Outcomes: PSOs are the statements that describe what the students of a specific

engineering program should be able to do after completion of the program. Program educational Objectives: PEOs are the statements that describe what the graduates should be able to do after few years of completion of the program. Course Outcomes: COs are the statements that describe what the students should be able to do at the end of a course

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

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

1.Subject teacher maintains the evaluation data of Sessional I and Sessional II and pre university test, on regular basis and is used for assessing the learning outcomes. 2.Subject teacher maintains the evaluation data of assignments, subject seminars and project if any, on regular basis and is used for assessing the learning outcomes. 3.Student performance is evaluated on the basis of performance in academics, extra and co-curricular activities. 4.The University results are analyzed for student performance.

5.The Course End Survey Feedback for each subject is taken from students once in a semester which helps to verify the achievement of learning outcome. 6.The institute collects the data about learning outcomes from students, employers through course end survey feedback.

7.The feedback from parents is collected during parents-teachers meeting and considered for the improvement. 8.Student's placement data is collected by the training & placement department. Data of graduates seeking higher education is collected by teachers and the training & placement department. 9.Participant's feedback on guest lectures, trainings, workshops are collected by faculty in-charge.

Assessment –Assessment is one or more processes, carried out by the institution, that identify, collect, and prepare data to evaluate the achievement of programme outcomes. The program outcomes and program specific outcomes are assessed with the help of course

outcomes of the relevant courses through direct and indirect methods.The institution assesses the students continuously with the application of following assessment tools, as they progress through the program.

Evaluation –Evaluation is one or more processes, done by the evaluation team, for interpreting the data andevidence accumulated through assessment practices. Evaluation determines the extent to which the all outcomes are being achieved, and results in decisions and actions to improve the programme.

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

CO-PO-PSO Mapping Methodology–The process of attainment of COs, POs, and PSOs starts from writing appropriate COs for each course in the four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels as suggested by Bloom's Taxonomy. Bloom's Taxonomy promote higher forms of thinking in education, such as analyzing and evaluating concepts, processes, procedures, and principles, rather than just remembering facts (rote learning). It is most often used when designing educational, training, and learning processes. The three Domains of Learning are (1) Cognitive: Mental Skills (Knowledge), (2) Affective: growth in feelings or emotional areas (attitude or self) and (3) Psychomotor: manual or physical skills.Then, a correlation is established between COs, POs, and PSOs on the scale of 0 to 3. A mapping matrix of COs-POs -PSOs is prepared in this regard for all courses in the program. Course Outcomes and the CO-PO-PSO mapping matrix for a sample course are discussed below.

Direct Assessments are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the 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	[View File](#)
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

198

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

http://www.gwcet.ac.in/uploaded_files/SSS_Session_2020-21_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)

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

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

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 Govindrao Wanjari 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.

CIED supports members of the institute including staff, students, alumni, faculty and R&D partners, in creating successful business ventures that can translate benefits from technology and knowledge innovations to the society at large.

Vision

"To be a centre of excellence that fosters synergy between the academia and the industry that fuels entrepreneurial spirit and inculcates research bent of mind among students to help them to be a self-reliant and contribute to the nation building."

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.

How do we achieve this?

- Education: Academic programs on social innovation and entrepreneurship for students as well as nearby villages.
- Research: CIED provides an enabling environment for both students and faculties interested in social enterprise, research within the campus.
- Catalyzing Innovation: Encouraging young innovators and entrepreneurs by assisting in the development of socially-beneficial products and ideas.
- Collaboration: Creating an ecosystem that extends to other technology institutions.

Objectives

- The main objective of the CIED is to produce successful firms that will leave the program financially viable and free-standing.
- To motivate incubators "graduates" to create job, commercialize new technologies, and strengthen national economies.
- To benefit from official affiliation with incubator, a supportive community with an entrepreneurial environment.

Beneficiaries

The major beneficiaries include following stakeholders.

- STUDENTS
- ALUMNI
- FACULTIES

- **SOCIETY AT LARGE**
- **NEARBY VILLAGERS**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.gwcet.ac.in/Department/Download_File.aspx?file=Report_CIED.pdf&target=Deptuploaded_files

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

2

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

3.3 - Research Publications and Awards

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

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

File Description	Documents
URL to the research page on HEI website	http://www.gwcet.ac.in/Department/DisplayDeptPage.aspx?page=cgo&ItemID=ecs&nDeptID=oc
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

13

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

11

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

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 learnethical values and understand their responsibilities to develop as good citizens.**
- **Social activities like tree plantation and RTO camps are organized. Faculty members and studentsvisit the orphanage in the vicinity of the institute, provide support and interact with them.**
- **Faculty and students actively participate in Swachh Bharat**

Abhiyaan, Tree Plantation in campus and around Nagpur city.

- 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.

Table 3.4.1: Programs conducted related with social issues and holistic development:

Sr. No.

Name of Activity

Date

No. of Teachers Participated

No. of Students Participated

1

Spraying of Chemical in Pond at Chikna and Salai-Godhani Villages

05/10/2021

09

--

2

Nirmalya Collection on AnantChaturdashi at Chikna village lake

19/09/2021

52

26

3

Free Distribution of Santizer bottle and Mask at Chikna and Salai-Godhani Villages.

10/08/2021

90

--

4

Organization of Tree Plantation at GWCET, Nagpur

06/07/2021

55

--

Total

206

26

File Description	Documents
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Extension_Activity_2020-21.pdf
Upload any additional information	View File

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

4

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

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

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

26

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

3.5 - Collaboration

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

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

137

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

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

19

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute 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

23

1666.654

2

Tutorial rooms

Well equipped green board room

7

249

3

Laboratories

As per the requirement of Appratus

54

4008.97

4

Workshop

Well equipped for conduction of Workshop activities

4

1041

5

Seminar Hall

Well equipped with projectors

02

273

6

Computer Center

Having required desktop and softwares

01

200

7

Drawing Hall

Equipped with drawing table

1

144

8

Library

Equipped with all departmental books,journal,magazines etc

01

465

9

Smart class rooms

Equipped with ICT facility

07

517

Computing Equipments:

Sr.No

Particulars

Quantity

1

PC's

300

2

Laptops

04

3

Printer

32

4

Scanner

06

5

Projectors

05

6

Servers

01

7

Firewall

01

10

CD Writers

05

11

CCTV

18

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Criterion%204.1.1.pdf

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 RTM Nagpur 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 Exibition, Robo race 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 wherein various cultural activities like dance, singing competition, student fashion show, debate competitions, antakshari, fish pond etc. 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 20 per day

2

Carom

-

2008

25 to 30 per day

Games(outdoor)

1

Volley ball

9*18 m

2008

15 to 20 per day

2

Cricket

137meterdiameter

2019

20 to 40 per day

3

Athletics

-

2008

5 to 10 per day

4

Tug of war

-

2008

30 to 40 per day

5

Mix cricket

-

2008

20 to 25 per 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 30 per day

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Criterion%204.1.2%20photographs%20for%20additinal%20link.pdf

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

15

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/267_4.1.3_Word_Doc_(1).pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

10.70

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

4.2 - Library as a Learning Resource

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

- **Library uses Sack Info Softlib Software having nature of automation as fully from Year 2010 that supports all in-house operations of the Library. These functions usually include circulation, acquisitions and cataloguing etc.**
- **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 programmes. 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**
- **From session 2020-21, the HEI has started using new software LIBMAN Master software which is a cloud based software**

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

Sack info Softlib Software

Fully

2.5

2019-2020

8

LIBMAN Master Software

Fully

Cloud Based

2020-2021

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	**Nil**

4.2.2 - The institution has subscription for the   **B. Any 3 of the above**

**following e-resources e-journals e-
ShodhSindhu Shodhganga Membership e-
books Databases Remote access toe-resources**

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

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

Nil

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

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

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

10

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

The institute is updating IT facilities time to time. Departments

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

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

- Wi-Fi facilities are upgraded as per the requirement. Wi-Fi facility is provided to each staff and student wherein, they can access for all types of e-learning resources
- The computers are regularly upgraded with Anti Virus.
- All the systems are connected by LAN & Wi-Fi facilities.
- CCTV's are installed to have strict surveillance and monitoring of all the events and happenings in the college.
- Moreover, the institution is a regular organizer of Online Exams for many reputed organizations like GCC-TBC, NSEIT, MAHAGENCO, MAHATRANSCO, ORDNANCE FACTORY, MAHA POLICE BHARTI, AAROGYA VIBHAG BHARTI

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

4.3.2 - Number of Computers

304

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

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	View File

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)

89.16

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

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

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 up gradation 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.
7. Register is maintained in the library for entry, exit for the students and same for the faculty members. Cleanliness is maintained by sweeper on everyday basis .
8. Housekeeping in-charge works in coordination with department for dusting, mopping and cleaning of classrooms, laboratory, tutorial room and smart classroom on regular basis. Equipment and furniture are repaired and maintained by skilled laboratory assistants of institute and whenever and wherever required.
9. In-charge and team of electrical maintenance is responsible for maintaining and repairing of power supply, water cooler, AC, various fixtures etc. to monitor electrical equipments such as generator, UPS batteries etc. Monthly inspection and checking is carried out in severe cases of major problem. It is referred to service department (belonging to the equipment) and the service provider will check out the problem and submit the report. If there is any requirement of replacement of certain part of equipment in such case the quotations are called and purchased as per the process of centralized method of purchasing .

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1089

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

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

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

480

File Description	Documents
Upload any additional information	[View File](#)
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	[View File](#)

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	http://www.gwcet.ac.in/uploaded_files/5.1.3_Final.pdf
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

442

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

442

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

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

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

36

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

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

5.2.2.1 - Number of outgoing student progression to higher education

1

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	**No File Uploaded**
Details of student progression to higher education	[View File](#)

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

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

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

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)	View File

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	http://www.gwcet.ac.in/uploaded_files/5.3.2.pdf
Upload any additional information	View File

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

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution

participated during the year

0

File Description	Documents
Report of the event	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	[View File]()

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.**
- **It is the backbone of the institution. The institution rests on the rich history of the student's success and glory.**
- **Association regularly meets, interacts with the management. It is the flag bearer of the developments in the institution.**
- **The alumni help the institution by influencing industries and other agencies in getting placements for the institution. The alumni has expanded and strengthened it with new enrolments.**

Benefits:

Career Advising

Industry Institute Interaction

Placement assistance

Objectives:

1. To bring together students of GWCET youth in every area to act as

their representative and coordinate and promote their interest in all matters.

2. To utilize the experience, wisdom, 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	http://www.gwcet.ac.in/uploaded_files/Alumni_association_2020-2021.pdf
Upload any additional information	View File

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 entrepreneurialattitude 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 supporting 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

responsible 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.

The policy statements and action plans for fulfillment of the stated mission.

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

Efforts which reflect distinctive features of the Institute to accomplish vision are given below:

- The Institute follows a well-defined and planned Teaching-Learning process and is implementing add-on and enhancement courses and promotes innovation to provide quality technical education.
- The Institute conducts various workshops and activities to inculcate skills like communication, group discussion and self-confidence among the students. The students are also encouraged for developing their aptitude skill. These skills help the students in placements and to succeed in their career.
- The Institute takes the following steps for developing professional competency among the students:
- Ethics and moral value additions through forum activities and community service programs
- Arranging workshops and guest lecturers from Industry persons.
- Internship programs, Industrial visits for students. Industry based Projects.
- Organizing technical skill development workshops.
- Organizing engineering events such as Engineers Day, etc

File Description	Documents
Paste link for additional information	http://www.gwcet.ac.in/UserPanel/DisplayPage.aspx?page=cg&ItemID=e
Upload any additional information	View File

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

The college believes in decentralization of administration and transparency of governance. Freedom is given to all Heads of the department in planning, organizing and implementing various activities in the department in an effective way. The HODs in turn will delegate the authority and support the faculty in taking up various departmental activities. The Management representative aims at creating not just a few leaders but a leadership ladder i.e., leadership at various levels. To develop leadership skills, the institute encourages the staff to attend training programs. The Management representative also adopts a practical way of giving responsibilities to a person to enhance the leadership capabilities. 1) Academic Monitoring Committee (AMC) Role: AMC is centralized committee responsible for drafting, regulating and implementing different academic policies. It is meant for smooth uniform conduction of academics throughout the institute. Committee Hierarchy: AMC is headed by Chairman who is the principal of the institute. Other members of the committee are Academic Coordinator, Head of Departments, and Subject Experts for respective subjects, class teachers, exam in-charge. Activities conducted by AMC: AMC monitors the teaching learning process. It prepares the academic calendar of the institute which is a reflection of University's academic calendar that includes curricular, co- curricular and extracurricular activities. Academic Calendar is meticulously planned and prepared in advance by Academic Coordinator and ensures the proper implementation of the academic calendar. Academic Coordinator is responsible for confirmation and observation of academic activities. Academic Coordinator confirms lab and course file audit, does the counseling, takes action against findings, issues appreciation and show cause notice and gives input to IQAC. AMC does random confirmation of attendance once in a month, ensures student and faculty uniform and ID card and takes action on defaulter students and gives feedback to Principal. AMC prepares daily attendance report of each class and submits it to Principal once in a day. 2) All HOD prepare financial budget of their department at the beginning of the year by using this, the office

administrative head prepare financial budget of college.
Accordingly, it is checked by the college principal and is sent for
section to the management. The management approved budget and
necessary action is carried out.

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

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 establishrecognized 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 day live webinar series conducted by every department for
students and faculties. This event shall endow platform for students
to innovate and put forth their ideas and shall aimed at bringing
out the talent of the students. The principal along with head of
departments, nominate the convener for the webinar. Then committees
are formed for the smooth conduction of event such as promotion,
inauguration, registration, etc.

Outcomes of the event:

- **The students learn the lessons of leadership, team work, team building,and working in challenging and stressful circumstances.**
- **The students put forth their ideas and innovations through webinar.**
- **The student is able to understand and assimilate research findings.**
- **Create awareness on professional and social ethics.**
- **Motivate with latest technological knowledge.**

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=ko
Upload any additional information	View File

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 SevaMandal (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. Statutory bodies such as IQAC Cell, T&P Cell, NSS Cell, Sports Cell etc., as per the university/government guidelines are also included in the organizational structure of the institution. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation. There are different bodies that give academic and administrative leadership to the institution. An optimum level of decentralization through the autonomous departmental system and participative decision making process are in practice.

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. This cell can make recommendations for the improvement and up gradation in the existing academic, administration, and infrastructure, extra and co-curricular activities.

Director and Principal

The Director and Principal are involved in the implementation of the perspective plans of the College. They ensure efficient functioning of academic and administration through the departments and various committees constituted for effective execution of the respective task.

Functions of various bodies

Various committees are formed in the College for the smooth and efficient management of activities. It also gives the opportunity to the faculties to groom their personality. The committees are constituted by the Principal in consultation with HODs for one academic year or until new committees are constituted.

Following is the list of few bodies and their functions:

1. Internal Quality Assurance Cell (IQAC)

IQAC has been established in the college, which meets regularly to assess the quality deliverance of engineering education in the institute leading to achieve the course and program outcomes.

1. Examination Committee

There is independent Examination Control room which helps and ensures smooth and orderly conduct of examinations in the institute as per guidelines issued by the RashtrasantTukdojiMaharaj Nagpur

University, Nagpur from time to time. OIC (Officer In-charge) is the competent authority who looks after all the requisite of the university exam.

3. College Office Section

Office Superintendent is the head of Non-Teaching and Non-Technical staff and ensures the administration of various sections runs properly and efficiently as per the college plans and instructions of the Management and Principal.

Service rules and procedures

The college follows the service rules as per the provision of relevant annexure of university, statute and directives, state government and statutory bodies under ministry of HRD. The institution functions according to the norms laid down by AICTE and UGC. The faculty members (Teaching/Non Teaching) get benefit of EPF. Faculty members are given Casual/Earned/Medical/Maternity/Compensatory Leaves.

Recruitment Policies:

The institute follows AICTE and RTMNU norms for staff recruitment. The HoDs review requirements as per Teaching Load and submit the consolidated staff requirement to Principal. The faculty recruitment is carried out according to the norms of the University and UGC. The university/management selection committee comprising of Principal, HOD and Subject experts decides the worthiness of the faculty member by their performance in the interview.

Promotional Policies:

A promotion is the shift of an employee from one position to another with more responsible duties or requiring more skills. Promotions are based on merit and qualifications required for the higher position. A pay rise is eminent in case of promotions but the Management reserves the right to do so.

Grievance redressal mechanism:

Committee members meet to discuss and resolve the grievances, if any received in writing from the concerned students/staffs. The committee maintains the minutes of the meetings and submits the copy of the same to the Principal. The committee conveys the decision to the aggrieved students/staffs in writing from the institution.

The suggestion/complaint boxes are kept at prominent places in the college premises to provide easy access for staffs and students to put forth their grouses, which are opened regularly and prompt redressal is done.

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

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	View File
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

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

List of welfare measures for the teaching staff

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

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 therespective 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

1. Xerox Facility for staff.

2. Wi-Fi Campus for Faculty

3. Early going and late coming facility to the staff.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

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

0

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

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

11

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

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

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

37

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

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

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 RashtrasantTukdojiMaharaj 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 and then it is finally submitted to the college office.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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 SevaMandal. Audited income & expenditure statements of the previous five years are available.

The Institute has been appointing internal and external auditors annually. Theinstitute's major sources of receipts/funding are the students' tuition fees and funding made by Amar SevaMandal. The internal audit of accounts is carriedout. The internal auditor checks fee receipts and payment vouchers necessarysupporting documents. The institution is having qualified practicing ChartedAccountant 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 thoroughlychecked by an Auditor. The External audit is conducted at the end of financialyear. The audit is carried out by the chartered accountant. The institute'smajor sources of receipts/funding are the student's tuition fees and fundingmade by Amar Seva Mandal.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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	[View File](#)

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	http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&ItemID=ok&nDeptID=mo
Upload any additional information	View File

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

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

Review of Teaching-Learning Process and its Outcomes

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

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

Methodologies:

IQAC regularly conducts the meetings with Head of departments & Academic coordinator. Academic audit is a regular taken in the institute for continuous monitoring of the teaching learning process. Schedule of each academic activity is mentioned in the academic calendar. Academic Calendar covers the schedules such as classes to begin, Sessional examination-I, Sessional exam II, PUT examination to be conducted, guest lectures and industry visit slots, etc.

1. Feedback System:

Collecting feedback is very important. One of the most efficient ways to achieve continuous improvement is feedback mechanism. The feedback from students, faculties, alumni, and other stakeholders gives necessary insights into areas of improvement. The Institute follows a continuous review system of the curriculum. The College

consists of an IQAC as a Quality sustenance and Quality enhancement measure. The 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 like student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality improvement. Institute collects the feedback physically from stakeholder's viz. Students, Parents and Teachers on Curriculum which is prescribed by the university. The college conducts annual Alumni Meet, in which suggestions and feedback are received from Alumni students. Whenever any alumni visit the college, feedback is taken.

The data is analyzed and their suggestions are considered and placed before the Principal and Committee for discussion. After collecting and assessing the feedback from the various stake holders on curriculum aspects, the valuable suggestions if any, are put forth to the university curriculum committee to make the possible changes in the course structure for the next curriculum regulation.

1. Teaching Learning Process:

The faculty members of the concerned department gather the lists of courses for the coming semester. The head of the department finalizes the course allocation for the faculty members based on their choice and area of interest or expertise. The faculty members prepare the lesson plan before the commencement of semester, indicating the topics to be covered lecture wise including the evaluation process for each subject and it is duly reviewed by the one of the senior faculty in the department and approved by the head of the department. It is then, made available to the students. Timetable incharge of each department prepares the time table as per the guidelines of respective statutory bodies for the number of credit hours for each subject prior to the commencement of the semester. Time-table is uploaded on the system and displayed in the respective department notice boards. The institute is committed to adhere to the academic calendar mostly except some tolerance in conducting the extracurricular and co-curricular activities.

We believe in the adoption of students centric methods to enhance the student's involvement as a part of experiential learning, participative learning and problem solving methodology through the following.

1. Regular Teaching Techniques

2. Participative learning

3. Problem Solving Methods

4. Seminars, Workshops and Guest Lectures

5. Digital Library and Project Cell

6. Aptitude Test

7. Project Work and Case Studies

8. Industrial and Field visits

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

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

B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_REPORT_2020-21.pdf&target=Deptuploaded_files
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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.

- **Recommendation 5:**

If a student would like to meet with you individually, suggest a discussion at the end of class or at a convenient time within the building: in the classroom, in one of the building's cafeterias, in the staffroom . Informal meetings with students off campus or involving alcoholic drinks are strongly discouraged.

- **Recommendation 6:**

In the case that you are supervising a research project as a tutor or mentor, be sure to maintain a relationship that remains professional.

- **Recommendation 7:**

Finally, each course can be an opportunity to address the issue of gender equality, to enrich reflection on the subject, and to develop ways of improving the situation. Through group dialogue, each person can learn to engage with the issue. Whenever possible, try to encourage reflection on gender equality in your interactions with the class.

File Description	Documents
Annual gender sensitization action plan	http://www.gwcet.ac.in/uploaded_files/7.1.1_Action_plan_of_Gender_Equity.pdf
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	http://www.gwcet.ac.in/uploaded_files/7.1.1_Safety security_ ADDITIONAL_INFORMATION.pdf

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	View File
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	View File
Geo tagged photographs of the facilities	View File

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

D. Any 1 of the above

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

7.1.5 - Green campus initiatives include

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

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	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
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

- Annual social gathering UTSAV
- Festival celebration like GANESH UTSAV
- DIWALI CELEBRATION,
- Sports,
- Youth empowerment VIDARBHA STUDENT PARLEMENT (VSP)
- Annual college magazine PRATIBIMB.

One of the important missions of college is "To imbibe the ethical values among the students to make them responsive citizens." In resonance with this mission, we initiate : Vidharbh Student Parliament: can impart and inculcate some real value education with cause. This unique initiative is to motivate socially & politically active youth of Central India.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File]()
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 :

- **During Covid-19 pandemic Food Distribution to needy people**
- **Govindrao Wanjari Foundation's Extension Activities In Epidemic Situation Of Covid 19**
- **Sanitizer and safety kit donation at Police station**
- **Awareness rally of "Lymphatic filariasis Decease (Hatti Rog Nirmulan)"**
- **Career Guidance To High School Student**

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	[http://www.gwcet.ac.in/uploaded_files/7.1.9_Human_Values_and_professional_ethics.pdf]()
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	View File
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	View File
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 Teachers**

Day 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)	View File
Geo tagged photographs of some of the events	View File
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:

1. Title of the Practice:

Online International Conference

2. 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 all 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 the Conference on "Recent Trends in Science, Engineering & Technology" on 15th June 2021 to 17th June 2021.

We had also conducted the e- International Conference on "Recent Innovation In Science, Engineering & Technology" ICRISET-2020.

3. The Context

The Conference aims to:

- To motivate Academician to take up research activity in the new area of science, engineering & technology.
- To provide a key platform for the development of researchers with the international and diversified knowledge and experiences.
- To provide and interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations , trends and concerns as well as practical challenges encountered and solutions adopted in the field.

4. The Practice

The online International Conference provides a wonderful forum to refresh knowledge base and explore the innovations in Engineering and Technology.

It has been planned to provide a suitable platform for the research community, to interact with each other and to share the knowledge. Sessions on different domains, key note addresses from eminent professors and opportunity to network with the researchers helped the participants immensely in their research career.

In conference international speakers were invited for the different sessions.

One of the eminent speaker was Dr. Hamidreza Darabkhani, Professor Mechanical engg Staffordshire University, Stole-on-Trent, United Kingdom. He brief the session on topic " Low Carbon & Renewable Energy Technologies to achieve net zero carbon emission by 2050."

We also had Dr. Abdel Hamid Soliman Assoicate professor ETC form Staffordshire University, Stole-on-Trent, United Kingdom who speaks on topic "Education 4.0- The Future Of Science, Engineering And Technology Education In The Age Of Digital Transformation."

5. Evidence of Success

For this International Conference we had around 330 participants, there were participants from all over the states of India, Starting from Jammu & Kashmir to Kerela and from Rajasthan to Meghalaya.

We were also honored to have the participants from other countries

such as Nigeria, Afghanistan, Peru, Philippines and United Kingdom. We conduct this conference by Zoom online portal.

Best Practice 2:

1. Title of the Practice:

Scientific Temperament: A Role of an Engineer in the Society - Awareness and Practice

2. Objectives of the Practice:

One of the important missions of college is 'To achieve excellence in application based research in technology to contribute to the development of the community'. In spite of this Covid and stay at home situation institute stick with this mission. The goals of Scientific Temperament are as follows:

- To provide a prime opportunity in lockdown period of COVID 19 for students to exchange the latest fundamental advances in the Engineering.
- To take up different issues to cope with the rapidly changing hi-tech environment.
- Different webinars were conducted to help aspiring students to acquire a challenging engineering career in life. Webinar session was conducted on online platform.
- Different webinars are organized during this pandemic situation on Yoga and meditation.
- One week online national faculty development program on "Resilience in crisis" also orgnaied.

3. The Context

Social service has a connotation of giving away things for free. This strategy seldom empowers the beneficiary. Instead, working out and implementing an engineering solution to a social problem enables the beneficiary to stand on their own feet. In the process, the enabler as well as the enabled are empowered; the enabled because they are a part of the solution and the enabler because they have learned engineering practices in a given context. In this case, our engineering students are the enablers and hence at the end of the day they become 'competent engineers with the spirit of professionalism and responsible citizenship'.

4. The Practice

Due to the global pandemic and the consequent lockdown the academic world had come to an abrupt halt. Because of the forced closure of educational institutions, the entire higher education system has been badly disturbed. In this type of situation e-learning has emerged as the most effective option – both for the students/ teachers as well as the college.

So overcomes all of this GWCET conducted webinars for the students and faculties also.

A webinar allows for people to attend and conduct a class from anywhere be it their home, a cafe, library or just about any other place they feel comfortable in.

Following are the different webinars/ workshops/ FDPS/ STTPS were conducted by the college.:

- One Week National Level Online STTP On "Effective Online Teaching- Learning Methods: Challenges, Preparation And Use Of ICT Tools".
- Webinar On "Importance Of Project And CAD In Placement"
- Online Webinar on "Energy and Environment Problems facing the 3rd world and their Probable

Also with support to this e- International Conference on "Recent Innovation In Science, Engineering & Technology" ICRISET-2020 is organized to provide a suitable platform for the research community, to interact with each other and to share the knowledge. Sessions on different domains, key note addresses from eminent professors and opportunity to network with the researchers will help the participants immensely in their research career.

5. Evidence of Success:

The tremendous potential of energetic and enthusiastic engineering students backed by inspired faculty could catalyse a transformation in the living standards of villages. Also a series of online workshops and webinars on different aspects stand as a great source of knowledge and provide a wonderful forum to refresh knowledge base and explore the innovations in Engineering and Technology.

File Description	Documents
Best practices in the Institutional website	http://www.gwcet.ac.in/uploaded_files/7.2%20Best%20Practices.pdf
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, Nagpur, so we follow the curriculum designed by it. At the beginning of academic session the college prepares the academic calendar which consists of many activities for effective implementation and delivery of curriculum. We undertake following measures for effective delivery of the university curriculum at college level

- 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.
- Online Unit Tests are conducted periodically and its results are displayed, 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 under the supervision of faculty.
- Guest lecturers of eminent faculties are arranged to give exposure of the current trends and the latest subject knowledge.
- ICT is used for effective teaching by the teachers of various departments.
- Remedial coaching is given to slow learners ,also Students-Teacher -Guardian Scheme (Mentor-Mentee) is implemented for identifying problems of the students issue related to regarding academic, social and financial.

File Description	Documents
Upload relevant supporting document	[View File]()
Link for Additional information	http://gwcet.ac.in/uploaded_files/1.1.1Curricular_Delivery.pdf

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

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Before the start of every academic session, Academic Calendar is
prepared in alignment with the university schedule.

Thus ensuring complete adherence all the classes and examinations
are planned as per the calendar.

Observance of Continuous Internal Evaluation with Academic
Calendar

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

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
of academic calendar.

3. Internal Examinations: Schedule of Sessional1, Sessional2 and
Pre-university Exam (PUT) are mentioned in the academic calendar.
Results are displayed within two days after commencement 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.

   1. Academic Monitoring: Each Head of the Department maintain a
      monthly syllabus coverage report, 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	[View File]
Link for Additional information	http://gwcet.ac.in/uploaded_files/1.1.1Curricular_Delivery.pdf

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	C. Any 2 of the above

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

1.2 - Academic Flexibility

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

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

6

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

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

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

1

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

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

30

File Description	Documents
Any additional information	[View File](#)
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View File](#)

1.3 - Curriculum Enrichment

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

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 second year there is a subject Environmental Studies in which sharpen the ability of scholars to grasp the nature and results of science. In Civil Engineering Programme, students learn Environmental Engineering as core subject and are offered with many electives on Environment and sustainability and many more which is opted by students. Many Projects are undertaken by final year students related to environmental issues.

Ethical science course is included in first year (2ndsem) curriculum which is common for all programs, in which students get knowledge about applied humanities and social engineering, sustainable development. 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 practical based on communication skill in which students can learn letter writing, principles of public speaking, professional communication Skill. Information Technology and Computer Science & Engineering course curriculum includes a subject on Professional Ethics.

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.	View File

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

6

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

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

137

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

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	http://gwcet.ac.in/uploaded_files/1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

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	View File
URL for feedback report	http://gwcet.ac.in/uploaded_files/1.4.2.pdf

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

619

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

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

554

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

We have a streamlined mechanism for continuous monitoring and evaluation of the students. We are considering some special grade factors for identifying the level of students. This system helps to identify slow learners & advance learners.

Students are identified based on:

1. Slow learners and Advance learners are separated by evaluating the score or percentage of HSSC/MHTCET / JEE / Poly final year / last university examination having 50 % weightage.

2. Slow learners and Advance learners are differentiated on the basis of score in Class Test I or Sessional examination-I conducted by all department for the entire students, having 50% weightage.

Presently, we modified the same system by considering and including one special grade factor, the special grade factor is to perform objective test for the entire students by all the departments, on the basis of test score, slow learners and

advance learners are identified.

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

1. Students having score below 60 % are assigned to a faculty as mentor, the personal and academic care of such students is taken by the corresponding mentors.

2. The counselors monitor the academic performance of the students to understand the student's issues that affect their ability to learn and assess the nature of their problems and motivate them to reach their academic goals. The appropriate counseling with additional teaching eventually helps to attend classes regularly.

3. Mentors communicate regularly with the parents regarding the attendance, performance and progress of each assessment of students.

4. Departments conduct remedial classes to revise syllabus covered up to class test-I or sessional exam I and provide course notes to students. Department also conduct some extra classes to prepare the slow learners to pass the exam.

5. Slow learners who are not able to manage with the teaching in regular classes, are assisted through clarification of their doubts, revising important concepts and extra assignments.

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

1. Advance learners having score above 60 % are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc.,

2. The bright and diligent students are motivated by providing extra test series and extra challengeable assignments to get higher ranks in university.

3. The students are encouraged to become a member of professional bodies to organize technical events and also provided

opportunities to develop their creativity by participating and organizing intercollegiate as well as national level technical symposiums.

4. The students are advised to participate in group discussions, technical quizzes and subjective seminars to develop their problem-solving abilities and to improve their presentation skills. The students are also encouraged to participate in project work aiming at inculcating research orientation

5. The departments conduct various club activities and NTPEL session to mould the students in corresponding field and also encourage to appear in the competitive exams like GATE, GRE, TOEFL, IELTS, CAT, PGCET etc.,

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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

Number of Students	Number of Teachers
1153	73

File Description	Documents
Any additional information	[View File](#)

2.3 - Teaching- Learning Process

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

1. Regular Teaching Techniques

Class Room Lectures & E- Learning Resources: Classroom lectures interspersed with discussion, resource for sound understanding, fundamentals, design and implementation. Generally teaching is carried out with conventional green-board and through PPTs using LCD projectors for explanation and visualization.

In current session (2020-2021), the teaching (Theory and Practical session) carried out through online mode (Zoom Meet).

NPTEL videos e-sources are also used for indepth learning of the subjects.

2. Experiential learning:

Experiential learning supports students in applying their knowledge understanding to real-world problems in a formal guided manner.

Laboratory sessions and Simulation: Technical education is always justified with the help of practical knowledge. In this context, we provide exposure to our students in the laboratories from the first year. Later from the second year, students related to the core department are given an exposure to their course related advanced practical orientation through various agencies in the respective field.In current session (2020-2021), the Practical sessioncarried out through online mode (Zoom Meet). We have MoUs with various industries to provide platform to the students for experiential learning.

3. Participative learning:

The students of our college are made to participate in different brain-storming activities and case studies by consultation with field experts. Group discussions, Technical Quizzes, Debates are conducted and students are motivated to participate in these activities. As the students come with different opinions and thought processes, the learning process gets justified in the arguemental way.

The students are given various opportunities to showcase their talent, communication and technical competency through brainstorming sessions, numerous contests, and seminars and encouraged to become members of professional bodies. They are also 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

Assignments on various topics are given regularly to increase engagement with subject and its understanding.

Case studies and Mini projects: To developed 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 RTM Nagpur University. The students are divided into small groups so that personal attention can be given and every student's role will become prominent.

File Description	Documents
Upload any additional information	[View File](#)
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

Institute follows ICT enabled teaching in addition to the chalk and talk method of teaching in classroom. Teachers using ICT for effective teaching with LMS & E-learning resources etc. The use of multimedia teaching aids like, LCD projectors, interactive digital board/computer/laptops, IT enabled learning tools such as PPT, Video (DELNET & NPTEL) & Audio, online sources systems are usually use to expose the students for advanced knowledge and practical learning.

Departments conduct seminars, workshops and guest lectures on the new developments in the 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 students' get all their academic information on web-link provided by Institute. Sufficient number of books, Journals, e-journals and e-books are available online in the library.

Internet and Wi-Fi facility is made available to all the students of institute at free of charge. You-Tube, E-mails, Whatsapp group, Zoom, Google meet, Teach-mint app and Google classrooms are used as platforms to communication, provide material and syllabus, make announcements, conduct tests, upload assignments, make presentations, address queries, mentor to share information.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View File](#)

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

7 3

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

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

7 3

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	[View File](#)
Any additional information	[View File](#)
List of the faculty members authenticated by the Head of HEI	[View File](#)

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

6

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

455

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

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

Internal assessment in college is so transparent that every student has an idea about the standard internal evaluation process of the theory /practical subjects. The institute follows the regulations of RTM Nagpur University and internal assessment is carried out in a systematic manner for theory, practical and project work. The 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.,

All examinations are conducted as per academic calendar. All examination Marks will be displayed in the department notice boards. If the students fail to appear due to some sound reason in examination, then the students are permitted to appear in re-sessional examinations and also given an opportunity to improve their marks by appearing in an oral examination, participation

and performance in technical/non technical activities. All records of attendance and exam are properly maintained for academic monitoring.

A Parents' meet is organized in each semester and its information given to parents either through call/SMS /letter. Parents are shown complete student record including attendance, marks scored in each subject, assignments submitted, extra-curricular and other activities attended by their wards. Parents can also view the answer sheets.

File Description	Documents
Any additional information	[View File](#)
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. If the students have any queries then they approach the mentor, the mentor tries to find the solution. 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 the matter still remains unsolved, students and mentor can always approach Head of the Department who solves the matter in consultation with higher authorities if required, the internal marks and grades are to be submitted on-line within a stipulated time frame. Thus, the process of sorting out grievance becomes time-bound and transparent.

If the 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 RashtrasantTukadojiMaharaj Nagpur University through concerned clerk of the college who tries to get the solution. With reference to evaluation, if the student scores less mark than expected, he/she can apply for revaluation of his/her answer script after paying the prescribed fee. University provides the photocopy of answer sheets to students regarding any grievances with reference to evaluation. Student can apply for revaluation if he/she feels that evaluation is not correct.

File Description	Documents
Any additional information	[View File](#)
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 Program Outcomes: POs are the statements that describe what the students learn from engineering programs and should be able to do after completion of the program. Program Specific Outcomes: PSOs are the statements that describe what the students of a specific

engineering program should be able to do after completion of the program. Program educational Objectives: PEOs are the statements that describe what the graduates should be able to do after few years of completion of the program. Course Outcomes: COs are the statements that describe what the students should be able to do at the end of a course

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	http://www.gwcet.ac.in/uploaded_files/2.6.1-PO-PSO-CO.pdf
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

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

1.Subject teacher maintains the evaluation data of Sessional I and Sessional II and pre university test, on regular basis and is used for assessing the learning outcomes. 2.Subject teacher maintains the evaluation data of assignments, subject seminars and project if any, on regular basis and is used for assessing the learning outcomes. 3.Student performance is evaluated on the basis of performance in academics, extra and co-curricular activities. 4.The University results are analyzed for student performance.

5.The Course End Survey Feedback for each subject is taken from students once in a semester which helps to verify the achievement of learning outcome. 6.The institute collects the data about learning outcomes from students, employers through course end survey feedback.

7.The feedback from parents is collected during parents-teachers meeting and considered for the improvement. 8.Student's placement data is collected by the training & placement department. Data of graduates seeking higher education is collected by teachers and the training & placement department. 9.Participant's feedback on guest lectures, trainings, workshops are collected by faculty in-charge.

Assessment –Assessment is one or more processes, carried out by the institution, that identify, collect, and prepare data to

evaluate the achievement of programme outcomes. The program outcomes and program specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods.The institution assesses the students continuously with the application of following assessment tools, as they progress through the program.

Evaluation -Evaluation is one or more processes, done by the evaluation team, for interpreting the data andevidence accumulated through assessment practices. Evaluation determines the extent to which the all outcomes are being achieved, and results in decisions and actions to improve the programme.

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

CO-PO-PSO Mapping Methodology-The process of attainment of COs, POs, and PSOs starts from writing appropriate COs for each course in the four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels as suggested by Bloom's Taxonomy. Bloom's Taxonomy promote higher forms of thinking in education, such as analyzing and evaluating concepts, processes, procedures, and principles, rather than just remembering facts (rote learning). It is most often used when designing educational, training, and learning processes. The three Domains of Learning are (1) Cognitive: Mental Skills (Knowledge), (2) Affective: growth in feelings or emotional areas (attitude or self) and (3) Psychomotor: manual or physical skills.Then, a correlation is established between COs, POs, and PSOs on the scale of 0 to 3. A mapping matrix of COs-POs -PSOs is prepared in this regard for all courses in the program. Course Outcomes and the CO-PO-PSO mapping matrix for a sample course are discussed below.

Direct Assessments are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the 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	View File
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

198

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire) (results and details need to be provided as a weblink)

http://www.gwcet.ac.in/uploaded_files/SSS_Session_2020-21_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)

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

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

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 Govindrao Wanjari 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.

CIED supports members of the institute including staff, students, alumni, faculty and R&D partners, in creating successful business ventures that can translate benefits from technology and knowledge innovations to the society at large.

Vision

"To be a centre of excellence that fosters synergy between the academia and the industry that fuels entrepreneurial spirit and inculcates research bent of mind among students to help them to be a self-reliant and contribute to the nation building."

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.

How do we achieve this?

- Education: Academic programs on social innovation and entrepreneurship for students as well as nearby villages.
- Research: CIED provides an enabling environment for both students and faculties interested in social enterprise, research within the campus.
- Catalyzing Innovation: Encouraging young innovators and entrepreneurs by assisting in the development of socially-beneficial products and ideas.
- Collaboration: Creating an ecosystem that extends to other technology institutions.

Objectives

- The main objective of the CIED is to produce successful firms that will leave the program financially viable and free-standing.
- To motivate incubators "graduates" to create job, commercialize new technologies, and strengthen national economies.
- To benefit from official affiliation with incubator, a supportive community with an entrepreneurial environment.

Beneficiaries

The major beneficiaries include following stakeholders.

- STUDENTS
- ALUMNI
- FACULTIES

- **SOCIETY AT LARGE**
- **NEARBY VILLAGERS**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.gwcet.ac.in/Department/Download_File.aspx?file=Report_CIED.pdf&target=Dep tuploaded_files

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

2

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

3.3 - Research Publications and Awards

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

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

File Description	Documents
URL to the research page on HEI website	http://www.gwcet.ac.in/Department/DisplayD eptPage.aspx?page=cgo&ItemID=ecs&nDeptID=o c
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	[View File](#)

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

13

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

11

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

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 learnethical values and understand their responsibilities to develop as good citizens.**
- **Social activities like tree plantation and RTO camps are organized. Faculty members and studentsvisit the orphanage in the vicinity of the institute, provide support and**

- interact with them.
- Faculty and students actively participate in Swachh Bharat Abhiyaan, Tree Plantation in campus and around Nagpur city.
- 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.

Table 3.4.1: Programs conducted related with social issues and holistic development:

Sr. No.

Name of Activity

Date

No. of Teachers Participated

No. of Students Participated

1

Spraying of Chemical in Pond at Chikna and Salai-Godhani Villages

05/10/2021

09

--

2

Nirmalya Collection on AnantChaturdashi at Chikna village lake

19/09/2021

52

26

3

Free Distribution of Santizer bottle and Mask at Chikna and Salai-Godhani Villages.

10/08/2021

90

--

4

Organization of Tree Plantation at GWCET, Nagpur

06/07/2021

55

--

Total

206

26

File Description	Documents
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Extension_Activity_2020-21.pdf
Upload any additional information	View File

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

4

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

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

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

26

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

3.5 - Collaboration

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

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

137

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

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

19

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute 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

23

1666.654

2

Tutorial rooms

Well equipped green board room

7

249

3

Laboratories

As per the requirement of Appratus

54

4008.97

4

Workshop

Well equipped for conduction of Workshop activities

4

1041

5

Seminar Hall

Well equipped with projectors

02

273

6

Computer Center

Having required desktop and softwares

01

200

7

Drawing Hall

Equipped with drawing table

1

144

8

Library

Equipped with all departmental books,journal,magazines etc

01

465

9

Smart class rooms

Equipped with ICT facility

07

517

Computing Equipments:

Sr.No

Particulars

Quantity

1

PC's

300

2

Laptops

04

3

Printer

32

4

Scanner

06

5

Projectors

05

6

Servers

01

7

Firewall

01

10

CD Writers

05

11

CCTV

18

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Criterion%204.1.1.pdf

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 RTM Nagpur 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 Exibition, Robo race 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 wherein various cultural activities like dance, singing competition, student fashion show, debate competitions, antakshari, fish pond etc. 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 20 per day

2

Carom

-

2008

25 to 30 per day

Games(outdoor)

1

Volley ball

9*18 m

2008

15 to 20 per day

2

Cricket

137meterdiameter

2019

20 to 40 per day

3

Athletics

-

2008

5 to 10 per day

4

Tug of war

-

2008

30 to 40 per day

5

Mix cricket

-

2008

20 to 25 per 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 30 per day

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/Criterion%204.1.2%20photographs%20for%20additinal%20link.pdf

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

15

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.gwcet.ac.in/uploaded_files/267_4.1.3 Word Doc (1).pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

10.70

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

4.2 - Library as a Learning Resource

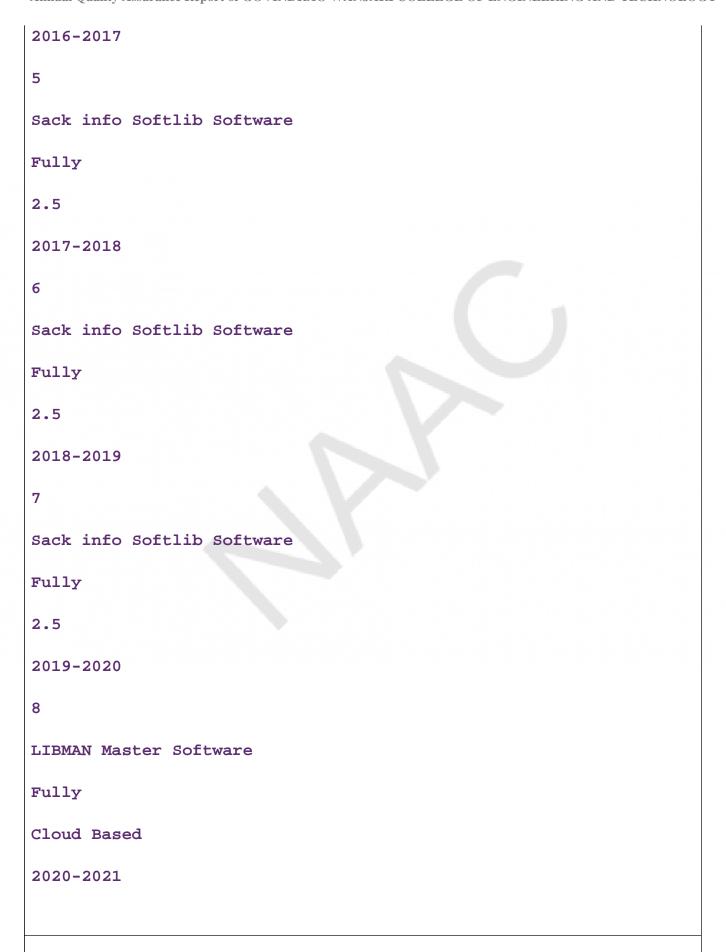4.2.1 - Library is automated using Integrated Library Management System (ILMS)

- **Library uses Sack Info Softlib Software having nature of automation as fully from Year 2010 that supports all in-house operations of the Library. These functions usually include circulation, acquisitions and cataloguing etc.**
- **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 programmes. 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**
- **From session 2020-21, the HEI has started using new software LIBMAN Master software which is a cloud based software**

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

Sack info Softlib Software

Fully

2.5

2019-2020

8

LIBMAN Master Software

Fully

Cloud Based

2020-2021

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	**Nil**

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

B. Any 3 of the above

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

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

Nil

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

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

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

10

File Description	Documents
Any additional information	[View File](#)
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

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

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

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

- Wi-Fi facilities are upgraded as per the requirement. Wi-Fi facility is provided to each staff and student wherein, they can access for all types of e-learning resources
- The computers are regularly upgraded with Anti Virus.
- All the systems are connected by LAN & Wi-Fi facilities.
- CCTV's are installed to have strict surveillance and monitoring of all the events and happenings in the college.
- Moreover, the institution is a regular organizer of Online Exams for many reputed organizations like GCC-TBC, NSEIT, MAHAGENCO, MAHATRANSCO, ORDNANCE FACTORY, MAHA POLICE BHARTI, AAROGYA VIBHAG BHARTI

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

4.3.2 - Number of Computers

304

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

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	View File

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)

89.16

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

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

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 up gradation 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.
7. Register is maintained in the library for entry, exit for the students and same for the faculty members. Cleanliness is maintained by sweeper on everyday basis .
8. Housekeeping in-charge works in coordination with department for dusting, mopping and cleaning of classrooms, laboratory, tutorial room and smart classroom on regular basis. Equipment and furniture are repaired and maintained by skilled laboratory assistants of institute and whenever and wherever required.

9. In-charge and team of electrical maintenance is responsible for maintaining and repairing of power supply, water cooler, AC, various fixtures etc. to monitor electrical equipments such as generator, UPS batteries etc. Monthly inspection and checking is carried out in severe cases of major problem. It is referred to service department (belonging to the equipment) and the service provider will check out the problem and submit the report. If there is any requirement of replacement of certain part of equipment in such case the quotations are called and purchased as per the process of centralized method of purchasing .

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1089

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

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

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

480

File Description	Documents
Upload any additional information	[View File](#)
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	[View File](#)

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	http://www.gwcet.ac.in/uploaded_files/5.1.3_Final.pdf
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	[View File](#)

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

442

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

442

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

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

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

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

36

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

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

5.2.2.1 - Number of outgoing student progression to higher education

1

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

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

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

0

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

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)	[View File](#)

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	http://www.gwcet.ac.in/uploaded_files/5.3.2.pdf
Upload any additional information	View File

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

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

0

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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.**
- **It is the backbone of the institution. The institution rests on the rich history of the student's success and**

glory.

- Association regularly meets, interacts with the management. It is the flag bearer of the developments in the institution.
- The alumni help the institution by influencing industries and other agencies in getting placements for the institution. The alumni has expanded and strengthened it with new enrolments.

Benefits:

Career Advising

Industry Institute Interaction

Placement assistance

Objectives:

1. To bring together students of GWCET youth in every area to act as their representative and coordinate and promote their interest in all matters.

2. To utilize the experience, wisdom, 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	http://www.gwcet.ac.in/uploaded_files/Alumni_association_2020-2021.pdf
Upload any additional information	View File

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 entrepreneurialattitude 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 supporting 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 responsible 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.

The policy statements and action plans for fulfillment of the stated mission.

- **To achieve the mission, the authority chooses staff with an aptitude towards understanding quality issues and allocates them as members of various committees for designing and implementing the quality policy.**
- **The authority analyzes feedback by taking guidance and opinion from experts and stakeholders whenever and wherever necessary.**

- The authority holds sufficient discussions and allows for refinement and modification in the action plan.

Efforts which reflect distinctive features of the Institute to accomplish vision are given below:

- The Institute follows a well-defined and planned Teaching-Learning process and is implementing add-on and enhancement courses and promotes innovation to provide quality technical education.
- The Institute conducts various workshops and activities to inculcate skills like communication, group discussion and self-confidence among the students. The students are also encouraged for developing their aptitude skill. These skills help the students in placements and to succeed in their career.
- The Institute takes the following steps for developing professional competency among the students:
- Ethics and moral value additions through forum activities and community service programs
- Arranging workshops and guest lecturers from Industry persons.
- Internship programs, Industrial visits for students. Industry based Projects.
- Organizing technical skill development workshops.
- Organizing engineering events such as Engineers Day, etc

File Description	Documents
Paste link for additional information	http://www.gwcet.ac.in/UserPanel/DisplayPage.aspx?page=cg&ItemID=e
Upload any additional information	View File

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

The college believes in decentralization of administration and transparency of governance. Freedom is given to all Heads of the department in planning, organizing and implementing various activities in the department in an effective way. The HODs in turn will delegate the authority and support the faculty in taking up various departmental activities. The Management representative aims at creating not just a few leaders but a leadership ladder i.e., leadership at various levels. To develop

leadership skills, the institute encourages the staff to attend training programs. The Management representative also adopts a practical way of giving responsibilities to a person to enhance the leadership capabilities. 1) Academic Monitoring Committee (AMC) Role: AMC is centralized committee responsible for drafting, regulating and implementing different academic policies. It is meant for smooth uniform conduction of academics throughout the institute. Committee Hierarchy: AMC is headed by Chairman who is the principal of the institute. Other members of the committee are Academic Coordinator, Head of Departments, and Subject Experts for respective subjects, class teachers, exam in-charge. Activities conducted by AMC: AMC monitors the teaching learning process. It prepares the academic calendar of the institute which is a reflection of University's academic calendar that includes curricular, co- curricular and extracurricular activities. Academic Calendar is meticulously planned and prepared in advance by Academic Coordinator and ensures the proper implementation of the academic calendar. Academic Coordinator is responsible for confirmation and observation of academic activities. Academic Coordinator confirms lab and course file audit, does the counseling, takes action against findings, issues appreciation and show cause notice and gives input to IQAC. AMC does random confirmation of attendance once in a month, ensures student and faculty uniform and ID card and takes action on defaulter students and gives feedback to Principal. AMC prepares daily attendance report of each class and submits it to Principal once in a day. 2) All HOD prepare financial budget of their department at the beginning of the year by using this, the office administrative head prepare financial budget of college. Accordingly, it is checked by the college principal and is sent for section to the management. The management approved budget and necessary action is carried out.

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

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 establishrecognized 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 day live webinar series conducted by every department for students and faculties. This event shall endow platform for students to innovate and put forth their ideas and shall aimed at bringing out the talent of the students. The principal along with head of departments, nominate the convener for the webinar. Then committees are formed for the smooth conduction of event such as promotion, inauguration, registration, etc.

Outcomes of the event:

- The students learn the lessons of leadership, team work, team building,and working in challenging and stressful circumstances.
- The students put forth their ideas and innovations through webinar.
- The student is able to understand and assimilate research findings.
- Create awareness on professional and social ethics.
- Motivate with latest technological knowledge.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	http://www.gwcet.ac.in/userpanel/DisplayPage.aspx?page=ko
Upload any additional information	View File

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 SevaMandal (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. Statutory bodies such as IQAC Cell, T&P Cell, NSS Cell, Sports Cell etc., as per the university/government guidelines are also included in the organizational structure of the institution. A committee comprising of faculty members and administrative staff are involved in the planning and implementation, academic audit and evaluation. There are different bodies that give academic and administrative leadership to the institution. An optimum level of decentralization through the autonomous departmental system and participative decision making process are in practice.

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. This cell can make recommendations for the improvement and up gradation in the existing academic, administration, and infrastructure, extra and co-curricular activities.

Director and Principal

The Director and Principal are involved in the implementation of the perspective plans of the College. They ensure efficient functioning of academic and administration through the departments and various committees constituted for effective execution of the respective task.

Functions of various bodies

Various committees are formed in the College for the smooth and efficient management of activities. It also gives the opportunity to the faculties to groom their personality. The committees are constituted by the Principal in consultation with HODs for one academic year or until new committees are constituted.

Following is the list of few bodies and their functions:

1. Internal Quality Assurance Cell (IQAC)

IQAC has been established in the college, which meets regularly to assess the quality deliverance of engineering education in the institute leading to achieve the course and program outcomes.

1. Examination Committee

There is independent Examination Control room which helps and ensures smooth and orderly conduct of examinations in the institute as per guidelines issued by the RashtrasantTukdojiMaharaj Nagpur University, Nagpur from time to time. OIC (Officer In-charge) is the competent authority who looks after all the requisite of the university exam.

3. College Office Section

Office Superintendent is the head of Non-Teaching and Non-Technical staff and ensures the administration of various sections runs properly and efficiently as per the college plans and instructions of the Management and Principal.

Service rules and procedures

The college follows the service rules as per the provision of relevant annexure of university, statute and directives, state government and statutory bodies under ministry of HRD. The institution functions according to the norms laid down by AICTE and UGC. The faculty members (Teaching/Non Teaching) get benefit of EPF. Faculty members are given Casual/Earned/Medical/Maternity/Compensatory Leaves.

Recruitment Policies:

The institute follows AICTE and RTMNU norms for staff recruitment. The HoDs review requirements as per Teaching Load and submit the consolidated staff requirement to Principal. The faculty recruitment is carried out according to the norms of the University and UGC. The university/management selection committee comprising of Principal, HOD and Subject experts decides the worthiness of the faculty member by their performance in the interview.

Promotional Policies:

A promotion is the shift of an employee from one position to another with more responsible duties or requiring more skills. Promotions are based on merit and qualifications required for the higher position. A pay rise is eminent in case of promotions but the Management reserves the right to do so.

Grievance redressal mechanism:

Committee members meet to discuss and resolve the grievances, if any received in writing from the concerned students/staffs. The committee maintains the minutes of the meetings and submits the copy of the same to the Principal. The committee conveys the decision to the aggrieved students/staffs in writing from the institution.

The suggestion/complaint boxes are kept at prominent places in the college premises to provide easy access for staffs and students to put forth their grouses, which are opened regularly and prompt redressal is done.

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

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	View File
Screen shots of user inter faces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

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

List of welfare measures for the teaching staff

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

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 therespective 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

1. Xerox Facility for staff.
2. Wi-Fi Campus for Faculty
3. Early going and late coming facility to the staff.

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

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

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

0

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

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

11

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

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

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

37

File Description	Documents
IQAC report summary	[View File](#)
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	[View File](#)
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	[View File](#)

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

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 RashtrasantTukdojiMaharaj 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 and then it is finally submitted to the college office.

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

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 SevaMandal. Audited income & expenditure statements of the previous five years are available.

The Institute has been appointing internal and external auditors annually. Theinstitute's major sources of receipts/funding are the students' tuition fees and funding made by Amar SevaMandal. The internal audit of accounts is carriedout. The internal auditor checks fee receipts and payment vouchers necessarysupporting documents. The institution is having qualified practicing ChartedAccountant 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 thoroughlychecked by an Auditor. The External audit is conducted at the end of financialyear. The audit is carried out by the chartered accountant. The institute'smajor sources of receipts/funding are the student's tuition fees and fundingmade by Amar Seva Mandal.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File]()

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)

O

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	[View File](#)

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	http://www.gwcet.ac.in/Department/Deptindex.aspx?page=a&ItemID=ok&nDeptID=mo
Upload any additional information	[View File](#)

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

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

Review of Teaching-Learning Process and its Outcomes

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

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

Methodologies:

IQAC regularly conducts the meetings with Head of departments & Academic coordinator. Academic audit is a regular taken in the institute for continuous monitoring of the teaching learning process. Schedule of each academic activity is mentioned in the academic calendar. Academic Calendar covers the schedules such as classes to begin, Sessional examination-I, Sessional exam II, PUT examination to be conducted, guest lectures and industry visit

slots, etc.

1. Feedback System:

Collecting feedback is very important. One of the most efficient ways to achieve continuous improvement is feedback mechanism. The feedback from students, faculties, alumni, and other stakeholders gives necessary insights into areas of improvement. The Institute follows a continuous review system of the curriculum. The College consists of an IQAC as a Quality sustenance and Quality enhancement measure. The 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 like student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality improvement. Institute collects the feedback physically from stakeholder's viz. Students, Parents and Teachers on Curriculum which is prescribed by the university. The college conducts annual Alumni Meet, in which suggestions and feedback are received from Alumni students. Whenever any alumni visit the college, feedback is taken.

The data is analyzed and their suggestions are considered and placed before the Principal and Committee for discussion. After collecting and assessing the feedback from the various stake holders on curriculum aspects, the valuable suggestions if any, are put forth to the university curriculum committee to make the possible changes in the course structure for the next curriculum regulation.

1. Teaching Learning Process:

The faculty members of the concerned department gather the lists of courses for the coming semester. The head of the department finalizes the course allocation for the faculty members based on their choice and area of interest or expertise. The faculty members prepare the lesson plan before the commencement of semester, indicating the topics to be covered lecture wise including the evaluation process for each subject and it is duly reviewed by the one of the senior faculty in the department and approved by the head of the department. It is then, made available to the students. Timetable incharge of each department prepares the time table as per the guidelines of respective

statutory bodies for the number of credit hours for each subject prior to the commencement of the semester. Time-table is uploaded on the system and displayed in the respective department notice boards. The institute is committed to adhere to the academic calendar mostly except some tolerance in conducting the extracurricular and co-curricular activities.

We believe in the adoption of students centric methods to enhance the student's involvement as a part of experiential learning, participative learning and problem solving methodology through the following.

1. Regular Teaching Techniques

2. Participative learning

3. Problem Solving Methods

4. Seminars, Workshops and Guest Lectures

5. Digital Library and Project Cell

6. Aptitude Test

7. Project Work and Case Studies

8. Industrial and Field visits

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	B. Any 3 of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://www.gwcet.ac.in/Department/Download_File.aspx?file=IQAC_REPORT_2020-21.pdf&target=Deptuploaded_files
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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.

- **Recommendation 5:**

If a student would like to meet with you individually, suggest a discussion at the end of class or at a convenient time within the building: in the classroom, in one of the building's cafeterias, in the staffroom . Informal meetings with students off campus or involving alcoholic drinks are strongly discouraged.

- **Recommendation 6:**

In the case that you are supervising a research project as a tutor or mentor, be sure to maintain a relationship that remains professional.

- **Recommendation 7:**

Finally, each course can be an opportunity to address the issue of gender equality, to enrich reflection on the subject, and to develop ways of improving the situation. Through group dialogue, each person can learn to engage with the issue. Whenever possible, try to encourage reflection on gender equality in your interactions with the class.

File Description	Documents
Annual gender sensitization action plan	http://www.gwcet.ac.in/uploaded_files/7.1.1_Action_plan_of_Gender_Equity.pdf
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	http://www.gwcet.ac.in/uploaded_files/7.1.1_Safety_security__ADDITIONAL_INFORMATION.pdf

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	View File
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	View File
Geo tagged photographs of the facilities	View File

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

D. Any 1 of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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	View File
Certification by the auditing agency	View File
Certificates of the awards received	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
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

- Annual social gathering UTSAV
- Festival celebration like GANESH UTSAV
- DIWALI CELEBRATION,
- Sports,
- Youth empowerment VIDARBHA STUDENT PARLEMENT (VSP)
- Annual college magazine PRATIBIMB.

One of the important missions of college is "To imbibe the ethical values among the students to make them responsive citizens." In resonance with this mission, we initiate : Vidharbh Student Parliament: can impart and inculcate some real value education with cause. This unique initiative is to motivate socially & politically active youth of Central India.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File]()
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 :

- **During Covid-19 pandemic Food Distribution to needy people**
- **Govindrao Wanjari Foundation's Extension Activities In Epidemic Situation Of Covid 19**
- **Sanitizer and safety kit donation at Police station**
- **Awareness rally of "Lymphatic filariasis Decease (Hatti Rog Nirmulan)"**
- **Career Guidance To High School Student**

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://www.gwcet.ac.in/uploaded_files/7.1.9_Human_Values_and_professional_ethics.pdf
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	View File
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	View File
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 Teachers Day 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)	View File
Geo tagged photographs of some of the events	View File
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:

1. Title of the Practice:

Online International Conference

2. 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 all 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 the Conference on "Recent Trends in Science, Engineering & Technology" on 15th June 2021 to 17th June 2021.

We had also conducted the e- International Conference on "Recent Innovation In Science, Engineering & Technology" ICRISET-2020.

3. The Context

The Conference aims to:

- To motivate Academician to take up research activity in the new area of science, engineering & technology.
- To provide a key platform for the development of researchers with the international and diversified knowledge and experiences.
- To provide and interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations , trends and concerns as well as practical challenges encountered and solutions adopted in the field.

4. The Practice

The online International Conference provides a wonderful forum to refresh knowledge base and explore the innovations in Engineering and Technology.

It has been planned to provide a suitable platform for the research community, to interact with each other and to share the knowledge. Sessions on different domains, key note addresses from eminent professors and opportunity to network with the researchers helped the participants immensely in their research career.

In conference international speakers were invited for the different sessions.

One of the eminent speaker was Dr. Hamidreza Darabkhani, Professor Mechanical engg Staffordshire University, Stole-on-Trent, United Kingdom. He brief the session on topic " Low Carbon & Renewable Energy Technologies to achieve net zero carbon emission by 2050."

We also had Dr. Abdel Hamid Soliman Assoicate professor ETC form Staffordshire University, Stole-on-Trent, United Kingdom who speaks on topic "Education 4.0- The Future Of Science, Engineering And Technology Education In The Age Of Digital Transformation."

5. Evidence of Success

For this International Conference we had around 330 participants, there were participants from all over the states of India, Starting from Jammu & Kashmir to Kerela and from Rajasthan to Meghalaya.

We were also honored to have the participants from other countries such as Nigeria, Afghanistan, Peru, Philippines and United Kingdom. We conduct this conference by Zoom online portal.

Best Practice 2:

1. Title of the Practice:

Scientific Temperament: A Role of an Engineer in the Society - Awareness and Practice

2. Objectives of the Practice:

One of the important missions of college is 'To achieve excellence in application based research in technology to contribute to the development of the community'. In spite of this Covid and stay at home situation institute stick with this mission. The goals of Scientific Temperament are as follows:

- To provide a prime opportunity in lockdown period of COVID 19 for students to exchange the latest fundamental advances in the Engineering.
- To take up different issues to cope with the rapidly changing hi-tech environment.
- Different webinars were conducted to help aspiring students to acquire a challenging engineering career in life. Webinar session was conducted on online platform.
- Different webinars are organized during this pandemic situation on Yoga and meditation.
- One week online national faculty development program on "Resilience in crisis" also orgnaied.

3. The Context

Social service has a connotation of giving away things for free. This strategy seldom empowers the beneficiary. Instead, working out and implementing an engineering solution to a social problem enables the beneficiary to stand on their own feet. In the process, the enabler as well as the enabled are empowered; the

enabled because they are a part of the solution and the enabler because they have learned engineering practices in a given context. In this case, our engineering students are the enablers and hence at the end of the day they become 'competent engineers with the spirit of professionalism and responsible citizenship'.

4. The Practice

Due to the global pandemic and the consequent lockdown the academic world had come to an abrupt halt. Because of the forced closure of educational institutions, the entire higher education system has been badly disturbed. In this type of situation e-learning has emerged as the most effective option – both for the students/ teachers as well as the college.

So overcomes all of this GWCET conducted webinars for the students and faculties also.

A webinar allows for people to attend and conduct a class from anywhere be it their home, a cafe, library or just about any other place they feel comfortable in.

Following are the different webinars/ workshops/ FDPS/ STTPS were conducted by the college.:

- One Week National Level Online STTP On "Effective Online Teaching- Learning Methods: Challenges, Preparation And Use Of ICT Tools".
- Webinar On "Importance Of Project And CAD In Placement"
- Online Webinar on "Energy and Environment Problems facing the 3rd world and their Probable

Also with support to this e- International Conference on "Recent Innovation In Science, Engineering & Technology" ICRISET-2020 is organized to provide a suitable platform for the research community, to interact with each other and to share the knowledge. Sessions on different domains, key note addresses from eminent professors and opportunity to network with the researchers will help the participants immensely in their research career.

5. Evidence of Success:

The tremendous potential of energetic and enthusiastic engineering students backed by inspired faculty could catalyse a transformation in the living standards of villages. Also a series

of online workshops and webinars on different aspects stand as a
great source of knowledge and provide a wonderful forum to
refresh knowledge base and explore the innovations in Engineering
and Technology.

File Description	Documents
Best practices in the Institutional website	http://www.gwcet.ac.in/uploaded_files/7.2%20Best%20Practices.pdf
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	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- **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 strenthen incubation and Entreprenualship development activities.**