



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

##### 1. Name of the Institution

Wainganga College of Engineering and management, nagpur

- Name of the Head of the institution **Dr. Bharat Chede**
- Designation **Director**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **7391058481**
- Mobile no **7391058482**
- Registered e-mail **principal.wcem@gmail.com**
- Alternate e-mail **wcem4145@gmail.com**
- Address **near gungao railway Station, wardha Road**
- City/Town **Nagpur**
- State/UT **Maharashtra**
- Pin Code **441108**

##### 2. Institutional status

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

- Financial Status **Self-financing**
- Name of the Affiliating University **RTMNU NAGPUR**
- Name of the IQAC Coordinator **Prof. Bhavesh Bohra**
- Phone No. **9422671164**
- Alternate phone No. **8624081773**
- Mobile **9422671164**
- IQAC e-mail address **bhavesh.bohra.mech@gmail.com**
- Alternate Email address **NA**

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

<https://wcem.in/agar.php>

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

**Yes**

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

<http://www.wcem.in/document/Academic%20calender%20ug.pdf>

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B</b>	<b>2.1</b>	<b>2018</b>	<b>30/11/2018</b>	<b>29/11/2023</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.03</b>	<b>2023</b>	<b>03/03/2023</b>	<b>02/03/2028</b>

**6. Date of Establishment of IQAC**

**15/07/2019**

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

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

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

**Yes**

- Upload latest notification of formation of IQAC

[View File](#)

**9.No. of IQAC meetings held during the year** 3

- 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)**

INTERNATIONAL CONFERENCE CONDUCTED FOR PROMOTING RESEARCH APPROACH ESTABLISHED INNOVATION AND INCUBATION CENTRE NEW COURSE OF MCA HAS BEEN APPROVED RECEIVED 2 FACULTY PATENTS DURING A YEAR

**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
Completion of autonomy and actively working for NBA of 3 courses	All documentation is ready and applied for autonomy status from UGC

**13.Whether the AQAR was placed before statutory body?** **No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

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

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	Wainganga College of Engineering and management, nagpur
• Name of the Head of the institution	Dr. Bharat Chede
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	7391058481
• Mobile no	7391058482
• Registered e-mail	principal.wcem@gmail.com
• Alternate e-mail	wcem4145@gmail.com
• Address	near gungao railway Station, wardha Road
• City/Town	Nagpur
• State/UT	Maharashtra
• Pin Code	441108
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the Affiliating University	RTMNU NAGPUR
• Name of the IQAC Coordinator	Prof. Bhavesh Bohra

• Phone No.	9422671164				
• Alternate phone No.	8624081773				
• Mobile	9422671164				
• IQAC e-mail address	bhavesh.bohra.mech@gmail.com				
• Alternate Email address	NA				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://wcem.in/aqar.php">https://wcem.in/aqar.php</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://www.wcem.in/document/Academic%20calender%20ug.pdf">http://www.wcem.in/document/Academic%20calender%20ug.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.1	2018	30/11/2018	29/11/2023
Cycle 2	A	3.03	2023	03/03/2023	02/03/2028
<b>6.Date of Establishment of IQAC</b>			15/07/2019		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			Yes		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			3		
• Were the minutes of IQAC meeting(s)			Yes		

and compliance to the decisions have been uploaded on the institutional website?	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
INTERNATIONAL CONFERENCE CONDUCTED FOR PROMOTING RESEARCH APPROACH ESTABLISHED INNOVATION AND INCUBATION CENTRE NEW COURSE OF MCA HAS BEEN APPROVED RECEIVED 2 FACULTY PATENTS DURING A YEAR	
<b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	
Plan of Action	Achievements/Outcomes
Completion of autonomy and actively working for NBA of 3 courses	All documentation is ready and applied for autonomy status from UGC
<b>13. Whether the AQAR was placed before statutory body?</b>	No
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name	Date of meeting(s)
Nil	Nil
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
yes	15/02/2024
<b>15. Multidisciplinary / interdisciplinary</b>	

NA
<b>16.Academic bank of credits (ABC):</b>
NA
<b>17.Skill development:</b>
varius skill development courses has been implemented.
<b>18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</b>
Local language has been extensively used for teaching as per New National Education policy
<b>19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):</b>
Continuous improvement and evaluation policy has been adopted by institute
<b>20.Distance education/online education:</b>
NA

### Extended Profile

<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	325
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	1542
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	50

File Description	Documents
Data Template	<a href="#">View File</a>
2.3	394
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	90
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	90
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	83
Total number of Classrooms and Seminar halls	
4.2	150182100
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	450
Total number of computers on campus for academic purposes	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curricular Planning and Implementation</b>	



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

The institution adheres to the academic calendar for the conduct of Continuous Internal Evaluation (CIE) Academic Calendar: RTM Nagpur University displays the academic calendar on its University website at the beginning of every academic year. The institute refers the University academic calendar and prepares its academic calendar and circulates it in all the departments. All the departments plan and prepare their respective departmental academic calendar and circulate it among the faculties. The academic calendar consists of induction days, time of displaying the attendance, schedules of academic events, extracurricular activities, sports, sessional and pre-University examinations, remedial classes, internal practical submissions, display of sessional & PUT results, guest/expert lectures etc.

Teaching Plan: Faculties are allotted subjects before start of the semester based on their choice and area of interest/expertise. Faculties prepare the teaching plans and are checked by the respective head of the departments. Faculties prepare subject file which includes syllabus of the subject, teaching plan, assessment sheets, question bank, University question papers, content beyond syllabus, 1

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

The institution adheres to the academic calendar for the conduct of Continuous Internal Evaluation (CIE) Academic Calendar: RTM Nagpur University displays the academic calendar on its University website at the beginning of every academic year. The institute refers the University academic calendar and prepares its academic calendar and circulates it in all the departments. All the departments plan and prepare their respective departmental academic calendar and circulate it among the faculties. The academic calendar consists of induction days, time of displaying the attendance, schedules of academic events, extracurricular activities, sports, sessional and pre-University examinations,

remedial classes, internal practical submissions, display of sessional & PUT results, guest/expert lectures etc.

T

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

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

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded

## 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**

17

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

### 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)

4

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

256

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

**1. Professional Ethics and Human values:** In view of promoting the professional ethics among the engineering graduates the RTMNU has introduced professional ethics as a credit course This course enables students to know fundamental rights, directive principles, and the duties of citizens, to understand engineering ethics and their responsibilities, identify their individual roles and

ethical responsibilities towards society.

2. **Gender:** The institute understands the importance of Gender equality and thus maintain good ratio of women to men work force in both teaching and non-teaching. Also, as per the admission analysis girl to boy student ratio is 2:3. WCEM has provided separate hostel for boys and girls with good infrastructure. Institute's woman forum has been working consistently for women safety in college campus and other problems related to girl students.

3. **Environment and Sustainability:** Environmental studies are a part of curriculum which provides information about ecology and environmental issues that apply to air, land, and water. NSS unit took initiation for planting of good number of saplings including fruit bearing plants to make environment green and pollution free.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

7

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

<b>1.3.3 - Number of students undertaking project work/field work/ internships</b>	
<b>301</b>	
File Description	Documents
Any additional information	<b>No File Uploaded</b>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>
<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
File Description	Documents
URL for stakeholder feedback report	<b>Nil</b>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<b>Nil</b>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	

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

640

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)****2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

152

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	No File Uploaded

**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**

Departments conduct remedial classes, and a separate library hour is included in the timetable for the slow learners and faculty are always available to clear doubts at any point of time. Faculty provide lecture notes for slow learners and those students who are in the verge of dropping out due to arrear subjects. Extra classes are organized to clarify doubts, re-explaining of critical topics for improving performance. The slow learners are given regular class tests in order to improve their performance in the university exam Further faculty members make the students to practice previous year question papers after completion of every module. The institution started a separate programme called Backlog Reduction Programme for slow learners. The Institute practices a robust student academic mentoring process and during the course of study, group of students are assigned to a faculty for mentoring, the mentors monitor academic performance and interact frequently to understand and assist any student with issues that affect their ability to learn or impeding their academic success. The institute has a system to communicate performance and attendance of students to parents as needed.

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

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

Number of Students	Number of Teachers
1549	90

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

### 2.3 - Teaching- Learning Process

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

Wainganga College of Engineering and Management believes in the adoption of students centric methods to enhance student involvement as a part of participative learning and problem solving methodology. Team works, Debates, Seminar Quizzes and project based studies Specifically helps Students in project work, Field Visit, Industrial visit & guest lectures. Specifically the students centric methodology includes:

#### I. Experiential Learning

1. Project work : Project work is organized in two phases 1) Mini project and 2) Major Projects this is an essential element of each programme Internship or Field Projects in industry.

2. Participation in competition at various level : For Real time exposure students are encouraged to participated at National and International Level exams like GATE,MPSC CAT and other exams of national importance.

3. Field Visits : Faculty identifies and propose Academically significant Field visits and Surveys

4. Industrial Visits Departments Plan and Organize the industrial visits for students to provide exposure to industrial work culture.

**5. Guest Lecture:** Guest lecture by eminent experts from industry and academics from across the world are organized to supplement the teaching process and provide experiential learning

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

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

Nil

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

**2.3.3.1 - Number of mentors**

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality**

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

Nil



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

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

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

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

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

##### 2.4.3.1 - Total experience of full-time teachers

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

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

**Nil**

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

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

**Nil**

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

## 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.

**Nil**

File Description	Documents
Upload any additional information	<b>No File Uploaded</b>
Paste link for Additional information	<b>Nil</b>
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

### Attainment of Course Outcomes

The assessment of course outcomes are through Internal examinations, assignments, Seminars, Projects, Viva voce. The internal questions are set with respect to blooms revised learning level. Each question is mapped to Course outcome. Program shall have set Course Outcome attainment levels for all courses.

Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course.

Internal assessment contributes 30% and university assessment contributes 70% to the total attainment of a CO.

PO/PSO assessment is done by giving 70% weightage to direct assessment and 30% weightage to indirect assessment. Direct assessment is based on CO attainment where 70% weightage is given to attainment through university exam and 30% weightage is given to attainment through internal assessments. Indirect assessment is done through program exit survey,

For CO,PO,PSO attainment the attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course and in university examination. The attainment is calculated with rubrics set in each year.

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

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

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

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	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)

<a href="#">Nil</a>	
<b>RESEARCH, INNOVATIONS AND EXTENSION</b>	
<b>3.1 - Resource Mobilization for Research</b>	
<b>3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)</b>	
<b>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)</b>	
00	
File Description	Documents
Any additional information	<a href="#">View File</a>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>
<b>3.1.2 - Number of teachers recognized as research guides (latest completed academic year)</b>	
<b>3.1.2.1 - Number of teachers recognized as research guides</b>	
00	
File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>
<b>3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year</b>	
<b>3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year</b>	

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

### 3.2 - Innovation Ecosystem

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

The WCEM, NAGPUR provides a active environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involved in the application of Technology for societal needs.

Director

WCEM, NAGPUR

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

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

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

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

### 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	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	No File Uploaded
Any additional information	No File Uploaded

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

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

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

#### 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

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

### 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

WCEM conducts and takes part in a variety of extension activities with a twofold objective of not only sensitizing students in various public issues but also contributing to the neighborhood and reinforcing community participation. The NSS schemes of the Institute initiated various events like organizing camps, promoting Swachh Bharat, blood donation camps, awareness programs on , Pollution And Hygienic Environment, etc. The college also contributes much through the NSS wing which has multi-faced activities like environmental issues, working with orphanages, etc by involving the volunteers. Events like Tree Guard, Blackboard distribution are successfully conducted with the cooperative participation of the volunteers. The NSS wing takes care of arranging guest talks on topics like gender issues, women's security, etc. The students participate actively in the International Yoga Day as Yoga is considered to be the best art to control the mind through the body.

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

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

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

00

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

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

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

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

**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**

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



**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**

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

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

13

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

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

Wainganga College of Engineering and Management, Nagpur is stretched over an area of 2.70 hectares in a green, clean, neat and spacious environment. It is a fully self-contained campus with

requisite infrastructure based on AICTE norms and a facilitator for effective teaching- learning process. The Academic block consists of state of art classrooms, laboratories, seminar halls, meeting rooms and is adequate in numbers providing a good learning ambience to students through modern teaching aids and ultramodern facilities. To enhance learning and to provide a high standard in technical education, the institute provides a wide array of sophisticated equipment in all the laboratories in various departments. To periodically organize and motivate co-curricular and extracurricular activities for the students, the campus has seminar halls, conference halls and research laboratories like the Centre for Data Science and Artificial Intelligence. The college has a dedicated 300 Mbps FTTH (Fibre to the home) connectivity from BSNL for providing uninterrupted internet services to the systems. There is a separate server room which provides all administrative services, computing facilities to all the computer systems inside the campus. Entire campus is Wi-Fi enabled with secure log in mechanisms ensures the learning through ICT.

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

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

Wainganga College of Engineering and Management, Nagpur encourages holistic development of the students and staff by providing various sporting activities. Institute has created and maintained well number of sports facilities and infrastructure for holding cultural events and other co-curricular activities. The achievement of the students in multiple sports activities is an indication of the dedicated attention, which are mainly promoted through the Sports committee. The Club also plays supervisory role to initiate, execute, coordinate, and supervise physical education, sports activities and programmes that enhance specific interest in sports, which are conducted throughout the year. The following facilities are available for outdoor

- Cricket Ground
- Football Ground

- Volleyball Court
- Badminton Court
- Fitness Centre

**SPORTS COMMITTEE:** The Physical Education Director (Dr. Ambore Sir) identifies the specific talents and skills of the students and according provide training to them. The campus has the required facilities to play Throw ball, Chess, Carom, Table Tennis, and Badminton, Volleyball, Foot Ball, Cricket, Kho- Kho, and Kabaddi. The campus also provides facilities such as Gymnasium and cross fitness training for students, faculties

**CULTURAL COMMITTEE:** The cultural committee has a vision for promoting a vibrant, memorable and rich campus experience for the students through various arts and cultural activities.

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

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

46

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="http://www.wcem.in/NAAC/Criteria4/4.1.3/4.1.3.pdf">http://www.wcem.in/NAAC/Criteria4/4.1.3/4.1.3.pdf</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

100

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource**

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

The institute has well equipped, spacious library of carpet area 224.686 square meters with the rich collection of engineering books including national, international journals, periodicals, and magazines. The library is fully automated with Library Management System. The reading room facility is available for students. The reading room is 224.686 square meters with a seating capacity of 150 students. It has about 3567 titles, 14961 volume, 37 national journals and 1 magazine along with newspapers. All the books are bar-coded and bar-code laser scanners are used in circulation counter for book transaction.

When a student approaches the counter for issuing a book; the book is searched by title or author. Students can also access physically tin the stack area. The entry is made in Library Management System software SACK INFO 2.5 through student login and book is registered and issued. As per the Regulation of statutory and affiliating authorities the text books and reference books are made available in the library. The college central library has various institutional memberships for e-resources and e-Journals. The Institute has membership for National Digital Library, NPTEL Active local chapter and browsing centre with 300 Mbps FTTH (Fibre to the home) connectivity connected computers the library.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil
<b>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>	<b>A. Any 4 or more of the above</b>
File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>
<b>4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)</b>	
<b>4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>	
4.50	
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)	<a href="#">View File</a>
<b>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)</b>	
<b>4.2.4.1 - Number of teachers and students using library per day over last one year</b>	
1600	

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

### 4.3 - IT Infrastructure

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

Institute has always eagerly taken an initiative to upgrade itself in providing IT facilities to students and faculty. The institute now has 440 computers of high configuration. The latest configuration of computer available in the institute is HP i3 with 8 GB RAM, 320 HDD, 130 SSD, i3 processor. Each department has its own computing facility. All 440 computers are LAN connected.

#### List of Licensed software

Sr. No.

Name of the Software

Licensed / Open Source

Operating Systems

1

Ubuntu

Open source

Application Software's and Others

2

C

Open source

3

C++

Open source

4

Python

Open Source

5

STAAD Pro

Open Source

7

AutoCAD

Open Source

The institute also has open source application software for keeping students updated

Wi-Fi & Internet

WCEM, Nagpur is having BSNL Service with 300 Mbps, being updated once in a months and another BSNL Service as a backup with 100 Mbps, being updated once in year, locally networked and connected through Wi-Fi. All the Laboratories of different department are having Internet facility connected through intelligent switches. The entire college campus covered with Wi-Fi Access points to access Internet and Intranet educational resources.

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

**4.3.2 - Number of Computers**

450

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded
<b>4.3.3 - Bandwidth of internet connection in the Institution</b>	<b>A. ? 50MBPS</b>
File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)</b>	
<b>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)</b>	
0	
File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	No File Uploaded
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.	
<p><b>Department level Policy:</b> Each department Head along with the faculty members meet to prepare their requirements for every year's budget which include the maintenance and up keeping the infrastructure, submit it to the management and principal. Management and Principal analyze various departments budget submitted by the HOD's and allocate as per their requirements.</p>	



**Infrastructure/Class room maintenance:** The college has a maintenance team for upkeep of physical Infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other.

**Laboratory maintenance:**

Stock registers and Record of maintenance of stocks are regularized by lab technicians and supervised by HODs of the concerned departments regularly. Other measures to maintain laboratories are as follows:

- The calibration, repairing and maintenance of sophisticated lab equipment are done by the technicians of related owner enterprises.
- The proper account of visitors (students and staff) on daily basis is maintained. With the help of the two full time sweepers cleanliness of class rooms is maintained. They are well equipped with tools for cleaning.

File Description	Documents
Upload any additional information	No File Uploaded
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**

272

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

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

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

272

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

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

File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

Nil

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

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

**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**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

**5.2 - Student Progression****5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

229

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

**5.2.2 - Number of students progressing to higher education during the year****5.2.2.1 - Number of outgoing student progression to higher education**

7

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

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

3

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

**5.3 - Student Participation and Activities**

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

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

0

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

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

The institute has an active Student committee, Students Chapters, Student associations and is actively participating as well as organizing various activities related to academics, co-curricular and extra-curricular activities, with the guidance of faculty. The Institute also promotes participation of students on academic and administrative bodies. They are providing support to college-related academic/a

1. Presence of an active Student Committee: An active Student Committee comprises Cultural, Technical, Sports, Literary. General functioning including responsibilities of each Committee is described below:

Student Committee: It ensures participation of all the other Committees in annual college festival "TECHYARD" which provides an avenue for creativity, team building, leadership and camaraderie amongst the student community and various co-curricular and extra-curricular activities.

**Cultural Committee:** "EKAASHARA" which provides an avenue for dance, singing, fashion show, modern art is carried out throughout the academic year.

**Technical Committee:** Technical activities such as technical paper presentation, technical quiz, hands on workshops, technical talks by eminent personalities are organized. The Committee organizes "TECHYARD", a technical extravaganza every year.

**Sports Committee:** Well-equipped Gymnasium and open grounds for students are available to engage in numerous sport activities like cricket, football, throw ball, Kabaddi, table-tennis.

#### 1. Representation on the academic committees:

**NSS:** Institute has set up NSS to sensitize students towards societal issues and community services.

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

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

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

260

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

#### 5.4 - Alumni Engagement

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

The WCEM, Nagpur Alumni Association aims to link the alumni to the institution, develop synergistic plans to support the institution and achieve its vision, and to enable the institute to add value to all its stakeholders. The Institute established alumni cell in 2021 to maintain a good linkage between institute and alumni. The alumni association was registered in 2021 with register no. Nagpur/0000174/2021 dated 24-06-2021. The main objective is to enroll all alumni as members of the association and facilitating active participation of the alumni in appropriate activities, events, and initiatives of the Institute. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world. Every year Alumni meet will be hosted by the Alumni association and supported by the Management, where the alumni from different branches are invited to share their views and suggestions on the scope of their course and also to create awareness about the professional world. This paves an opportunity for the alumni to meet other alumni and cherish their past experiences and moments. The Alumni Association provides an avenue for sharing their intellectual, career and professional experience

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

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**

**E. <1Lakhs**

File Description	Documents
Upload any additional information	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

**Nature of Governance** - The institution has well defined organizational structure, in which many senior faculty are the members of various decision making committees such as Governing body, IQAC, Grievance Committees and other decision making committees. The institution is recognized by All India Council for Technical Education, approved by Government of Maharashtra and affiliated to Rashtrasant Tukadoji Maharaj Nagpur University. The Governance of the institution is strictly in accordance with the Vision and Mission. The system is effectively decentralized for a better governance and performance. The major decisions which have a bearing on the function and the goal of the college are done by the Governing Council which includes the Chairman of the institution. The Institute has a perspective plan for development. It is developed by Principal with the help of HOD's of various departments under the guidance of Governing Council. Based on the academic schedule given by the affiliating university, academic calendar is prepared. The academic calendar includes the list of preplanned programs of various departments and examination schedules prepared with the knowledge of HOD's. To ensure development of the Institute, all the planning and execution is monitored regularly.



File Description	Documents
Paste link for additional information	<a href="http://www.wcem.in">www.wcem.in</a>
Upload any additional information	No File Uploaded

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

Decentralization and Participative Management is ingrained in the administrative functioning of the Institute. Vision, Mission statements are designed by the Top management, the Principal, IQAC Coordinator, program coordinator and senior Faculty members of the institute. An action plan is prepared collectively by the Principal, Program Coordinators, IQAC for implementing the quality policy. According to the action plan, specific roles are assigned to various faculty members. The Principal provides leadership for the academic administration and creates an effective environment conducive for learning. He ensures that quality education is imparted to the students that foster the holistic development of the students. He also ensures all-round development of the Institute and achievement of strategic plans of the institution. The institution has in place several Committees / Sub-Committees to continuously monitor/guide the academic and administrative activities. The committees comprise of key stakeholders including government, administrators, faculty, staff, industry, employer, alumni, parent and students. The top management provides effective academic leadership to the faculty, by setting goals and involving them in participative decision-making process, not only to achieve the vision, mission and goals of the institute, but also in building the organizational culture.

File Description	Documents
Paste link for additional information	<a href="http://www.wcem.in">www.wcem.in</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Taking into account this the Strategic arrangement of the institute incorporates

1. Comprehensive improvement of students
2. Motivation and inspiration of students
3. Scattering of information loaded with quality
4. Employability of students

The institute knows that quest for information is an always augmenting measure. Consistently new information is created. The strategic plan of the institute contains careful and vigilant undertakings to get recently. In Innovation there is capricious pivot of branches the students selected for. The institute, accordingly, will envision the turn of choices of the students and make proper strides to satisfy the requests of the students. The institute intends to present new parts of specialized instruction. The institute intends to convey scholarly workers according to the need of hour. The scholarly representatives should be edified about the new patterns in specialized training; also for these meetings, classes and workshops will be coordinated. The institute intends to make passionate and sincere undertakings to expand the correspondence ability of the students to empower them to compete with others with their heads held high.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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.

According to the organogram guidelines, the president of the institution is the highest authority. Dr. Brahmanand Karanjekar, (M.Sc., Ph.D., B.Ed., L.L.B) is a teacher by profession. He is member of Maharashtra State Secondary and Higher Secondary Education Board, Pune and Nagpur Divisional Board, Nagpur and also member of Senate, RTM Nagpur University, Nagpur. He directs, tracks, and plays a key role in academic decision-making, administration, and the institution's overall growth. Adviser

plays equally an important role as that of the president. The decision taken and the developmental projects suggested by the chairman will be escalated and executed by the director through the principal and Administrative officer of the institution.

Director, Principal, Dean Academics are the kingpins who are playing the key roles mutually coordinating and integrates the roles and responsibilities and methodology of the Head of the departments (HODs), Teaching and non-teaching faculty, students, Exam cell, placement cell, Library, Research and development.

Director, Principal, Dean Academics constantly, consistently monitor the sustained effective execution of the resolutions made and every week organizes meeting of the Heads to assess the progress and setbacks.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The institution is taking many welfare measures for all the teaching & non-teaching staff as they are the backbone of the institution, Few of the welfare measures are listed below:

1. College Bus facility:

All teaching and non teaching staff can utilize bus facility which is available from different routes. The bus for teaching and non teaching staff is extended during meetings in college after out time. The bus routes cover almost entire Nagpur city and surrounding area.

1. Financial support is provided to teaching staff members for attending trainings/ workshops/seminars:

The faculty will approach the management for financial support on prior date to attend training/workshop/seminar. The related faculty will be provided the financial support from the college. The institute also supports and motivates the staff for organizing/arranging trainings/workshops/seminars/FDPs.

1. The salary advances for teaching and non teaching:

Based on the emergency requirement the staff can approach the management for advanced salary by writing an application. Further the application is processed by the management. The management understands and provides the advance salary of a month or two.

1. Institutional scholarship for Economical Backward Class:

The scholarship for Economical Backward Class are given to students who come from economical weaker section

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

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

13

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

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

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

**6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)****6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year**

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

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

The institution has performance based appraisal system for the assessment of teaching and nonteaching staff. The appraisal report is based on the annual performance of the employees on the basis of their academic, research and other extra- curricular activities.

#### Performance appraisal system for teaching staff

The teacher, as a person and teacher as performer, is also one of the mandatory assessments for his/her performance is appraised through his/her implementation of

1. Innovative methodologies in classroom lectures, seminars, tutorials, course delivery.
2. Question paper setting and evaluation.
3. Updating of study materials etc.
4. Besides, student feedback and pass percentage of the course are also considered.
5. Research& publications/ academic progress
6. Punctuality & adaptability
7. Mentoring/ counselling of students

**8. Administrative contributions**

The performance of the faculty is evaluated based on

1. Professional contribution to academics,
2. Contribution to short term training courses
3. Performing invigilation duties
4. Contribution to College administrative bodies such as college academic council, R&D council, planning and development committee, NBA, NAAC, etc.
5. The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities, which are mostly voluntary. The Institute accords appropriate weightage for these contributions in their overall assessment.

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

**6.4 - Financial Management and Resource Mobilization**

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

The WCEM,NAGPUR has developed a mechanism for conducting internal and external auditing system on transaction every year to make sure financial compliances. The internal audit is conducted by internal financial committee of institute.

- The process used to monitor effective and proficient use of financial resources is as
- Before the commencement of every financial year the Head of

the Institution submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management.

- The institute budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses.
- The accounts department observes the expenses as per the budget allocated by the management.
- Process of the external audit:
- Process of the internal audit:

All the vouchers are audited by an internal financial committee on regular intervals. The everyday expenditure under each head is checked by verifying the vouchers and bills. If any dissimilarity or fault is found, the same is brought to the notice of the Principal. An official audit is conducted at the close of financial year. The management checks the audit report regularly. The

File Description	Documents
Paste link for additional information	<a href="http://WWW.WCEM.IN">WWW.WCEM.IN</a>
Upload any additional information	<a href="#">View File</a>

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

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



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

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

The resource mobilisation policy document serves to identify the resources available for various programs and efficient management of funds to widen the resources base of the institution for the enhancement of research and faculty upgradation the document outlines the procedures for efficient utilisation of generated funds.

The institution follows a well-defined mechanism for monitoring the effective utilization of the financial resources for academic process and infrastructure development. The budget for every year is proposed by the finance committee after taking into consideration the requirement of each department. After getting approval from the principal and governing body on the proposed budget, the finance committee will ensure the effective utilization of the allocated funds. On such verification any discrepancies will be discussed and sorted with the management. Any changes will be incorporated into all financial transactions are accounted. Based on that, financial statements like balance sheet and income and expenditure for the financial year end are prepared by account department. such financial statements will be signed and approved by auditor and management. Based on the audited financial statements, auditor will issue "audit report"

The different sources for mobilizing the funds is as follows

1. Tuition fees from students
2. Govt.Scholarship
3. From Trust

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

## 6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC) is established in the institution to maintain and enhance quality of education. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institution. The work of IQAC is the step towards the internalization and institutionalization of quality enhancement.

To ensure efficient functioning of IQAC, coordinator of the IQAC shall interact with various functionaries for effective implementation of IQAC and apprise chairperson of IQAC from time to time for the progress. IQAC will meet at least once in a year and record its deliberation and suggest improvements required if any in academic / administrative functions.

The institute has well defined policy for the quality assurances which is ensured by the effective participation from all the stakeholders. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The quality assurance processes, with regard to academics, administrative, are the integral part of the institutional policy.

**Quality Policy:** We aspire for global recognition through systematic and meticulous transformation of our students into highly motivated graduates enriched with professional competence, managerial skills, built in dynamism and humanism.

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

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

At the beginning of every semester the allocated course coordinator review the syllabus and prepares a course plan for that subject based on the course outcome and schedules a 60 to 70 hours plan to deliver it. He/she also makes a day wise schedule plan, methodology being used, pedagogies and what is expected out of that lesson. Course files or planning documents of every course are used to bring objectivity and strategize the course of teaching and learning for every topic. The teachers go through the syllabus and ensure that all the registered students full fill the pre-requisites of the course. They check if the students have a fair knowledge of the basics, so that they are able to understand the teaching. The Program Structure, Course Syllabus, Course Session Plan, Time-table, Master Academic Planning Worksheet are made available to the students before the commencement of the semester. Daily monitoring of conduct of the classes is done by the in each department. Regular meetings of course faculty are held with Head of the institution to review the course delivery and student learning progress.

The IQAC has developed a continuous review process on teaching-learning to sustain effective teaching and learning for targeted outcome. IQAC believes in appropriate planning for success. Following are few parameters on which review is conducted.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

WCEM approximately has female staff and students. Women occupy a good number of top posts in the hierarchy in the institute and play an important role in policy making by being in the key positions. There is Women Empowerment Cell in college

**Safety and Security:** Safety and security is broadly classified under 4 heads

#### 1 Physical

#### 2 Environmental

#### 3. Organizational

#### 4. Educational

##### 1) Physical-

- 24x7 operational CCTV cameras at vital and critical locations

##### 2)Environmental

The environmental aspect comprises of the physical aspect of security surveillance that helps to maintain safety and security in the premises.

- A thorough monitoring and security surveillance is provided till the last women employee, girl student leaves the campus.

3) Organizational:

- Boys are educated on the behavioral norms at the time of orientation.
- Women's Grievance Redressal Cell under Women's Form is constituted to redress and the Women grievance

4) Educational

- Self defense training classes are conducted for girl students.
- Poster's advocating gender sensitivity is displayed in prominent places.

2. There is a security control room which manages the surveillance with the help of CCTV cameras, available at all the junction points and open areas without compromising the privacy of female staff and the students.

Common Room:

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

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy**

**A. 4 or All of the above**

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

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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:**

The institute has dustbins for all floors, all the departments, common areas, canteen, mess and every other open area. The institute segregates recyclable and biodegradable waste. The other biodegradable dry solid waste such as dead leaves, papers

**Liquid Waste Management:**

Due to the increase of water usage, the volume of sewage increases and safe disposal of sewage has become a cause of concern. The appropriate reuse of treated sewage is the obvious and eminent solution.

**Hazardous Chemical waste management:**

Liquid Chemical waste is drained through the sinks present in the laboratory which is connected to the Chemical Waste Storage Tank (1000 Lit Capacity). The waste is collected over a week and then sent to waste water treatment foreign agency.

**E-Waste Management:**

Disposal of e-waste is an emerging global environmental and public health issue. The life of the electronic items is prolonged by doing proper maintenance. E-waste from the computer hardware, electronic equipments etc., are weeded out by the institute periodically. The worn out batteries are disposed through the scrap vendor..

**Waste Recycling System**

Recycling strategies should be implemented anywhere waste is generated: in administrative offices, classrooms, libraries, dormitories, dining halls, etc.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	No File Uploaded

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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

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

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

B. Any 3 of the above

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

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

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

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
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**

A. Any 4 or all of the above



File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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).

India is a nation with a diverse community and Indian's culture refers to a set of small, distinct cultures. clothing, festivals, languages, religions, music, dance, architecture, food, and art are all part of India's culture. Throughout its history, Indian culture has been influenced by a variety of foreign cultures. In addition, India's civilization has a long history.

Institution believes in unity in diversity that's why our students respect the different religion, language and culture. We feel the college is our second home and all faculties like a family member.

Institution promote harmony towards each other by organising different sports and cultural activities. Commemorative days like Environmental day, International Yoga day, Independence day, Teacher's day, Engineers day, NSS day, Birth anniversary of Mahatma Gandhi, World Student's day, National Education day, Constitution day, Human Rights day, National Youth day, Parakram diwas, National Voter's day, Republic day, Martyrs day, Chatrapati Shivaji Maharaj Jayanti, Women's day Celebration, Birth anniversary Dr Babasaheb Ambedkar, National Technology day along with many regional festivals like Ganpati festival and Dasara are celebrated in the college. ne with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

WCEM regularly keeps sensitizing students and employees of the institution toward their constitutional obligations; values, rights, duties and responsibilities.

For this, the institution regularly conducts and observes various events such as Independence Day, Republic Day, Gandhi Jayanti, Engineers Day, Cultural events and many more in which students and employees participate and deliver motivational speeches, recite poems, perform on stage etc. Apart from these events, few mandatory courses for undergraduate students such as Professional and Social Ethics, Disaster Management have been incorporated in the current academic regulations in order to sensitize students towards the course on the Indian Constitution, Essence of Indian Traditional Knowledge, Engineering and Social Ethics, etc.

Various sensitization programs are held regularly at the departmental as well as institutional level, in which students participate at various competitions such as essay writing, quiz competitions, drawing competitions, stage and street performances, treasure hunts etc. So that they can share their knowledge and ideas about values, rights, duties and responsibilities.

WCEM is certainly a leading cell that fosters the overall development of character, comradeship, discipline, leadership, secular outlook, spirit of adventure, sportsmanship and ideals of selfless service among the youth of the country.

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

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

**A. All of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The college also celebrates Martyr's Day in the honor of all Indians who had lost their lives in the struggle of India's independence. Programme is organized by the college to remember our slain freedom fighters. Celebrating these festivals commemorates the sacrifices of the great leaders and freedom fighters, who laid down their lives in the foundation of this country with also college Parakram Diwas (Birth anniversary of

Netaji Subhash Chandra Bose) was celebrated in the college campus.

National Voters Day was celebrated in the college premises. The Principal addressed the staff members and an oath taking ceremony was held. The Principal along with faculty members talk about importance of vote and made students aware of their Right to Vote.

The college celebrates International Women's Day to commemorate the cultural, political and socioeconomic achievements of women. Programs are conducted to bring attention to women's rights movement, gender equality and violence against women.

International Yoga Day is celebrated to usher in peace, harmony, happiness and success among all the students and faculty alike. Yoga embodies unity of mind and body, students are encouraged to make it a regular practice for good health and peace of mind.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

- To develop ethical and moral values among Faculty and students.
- To create harmony and peace among the Faculties and students and non-technical staff.
- To develop emotional quotient and spiritual quotient along with intelligent quotient.

- To imbibe education among the Faculties and students for the development of the society and community.

1. Institute conducts the program on National Service Scheme to understand the social responsibilities. Institute understands the importance of learning the life skills & organizes co-curricular, cultural programs, tours, and visits, conferences to develop interpersonal skill, decision making and values clarification.

2. The people living nearby railway station were suffering from water problem and no water supply provision at railway station also. The Wainganga? college management has identified the need of the passengers and thought to provide the water facility to the Railway station, So that it will be helpful to the people around.

3. The approach road from railway crossing on Gumgaon phata to college was in very bad condition. The students, Passengers, crossing people, vehicles were not comfortable to travel

1. Organizing blood donation camp 2.tree plantation, 3.save girl rally etc., community activity is promoted in the neighborhood of the institution.

2. Water supply document

3.Road Image

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

### 7.3 - Institutional Distinctiveness

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

Wainganga Bahu-Uddeshiya VikasSanstha's (WBVS) Wainganga college of Engineering and Management Nagpur encourage engineering professionals who will be academically and technically sound along with well-built ethics. Institute's distinctiveness is elaborated in following paragraphs. Institute has a parent Sanstha like WBVS,

which has management members who have dedicated themselves to social cause in Vidarbha Region.

**Academics Brilliance:** A high quality of academic excellence can provide value-added experience to the students. The positive outcomes are achieved by designing the curriculum to meet the global needs and through teaching-learning methods that blends with ethical values. It outlines the commitment to academic performance expected of all students. The structured orientation of the student into the curriculum enables to imagine the career opportunities and the approach towards achieving them.

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

7.3.2 - Plan of action for the next academic year

WCEM,NAGPUR is striving for autonomous status in next one year