

Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	WAINGANGA COLLEGE OF ENGINEERING AND MANAGEMENT
Name of the head of the Institution	DR. MANISH BIHADE
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07103-202007
Mobile no.	7972720484
Registered Email	principal.wcem@gmail.com
Alternate Email	wcem@rediffmail.com
Address	NEAR GUMGAON RAILWAY STATION, DONGARGAON
City/Town	NAGPUR

State/UT	Maharashtra																		
Pincode	441108																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Semi-urban																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	DR.KAPIL CHANDRAYAN																		
Phone no/Alternate Phone no.	07103202007																		
Mobile no.	7972720484																		
Registered Email	rahulnawkhare@gmail.com																		
Alternate Email	rahulnawkhare26@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://wcem.in/aqar.php																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://wcem.in/academic.php																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.15</td> <td>2018</td> <td>30-Nov-2018</td> <td>29-Nov-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B	2.15	2018	30-Nov-2018	29-Nov-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B	2.15	2018	30-Nov-2018	29-Nov-2023														
6. Date of Establishment of IQAC	05-Jul-2018																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Blood Donation Camp	19-Jan-2019 1	15
Yoga and Meditation for staff and Students	17-Jan-2019 1	210

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1.Promotion of R and D activities. 2. Promoting Yoga and Meditation. 3. Achievement of all academic benchmarks. 4. Sanction of proposal for yoga and gymnasium. 5. Training of Staff for NAAC accreditation.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	28-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	Management Information System of WCEM 1. Student Section: The module includes class list of students, no. of students, their unique id, personal information, contact numbers, alumni list and complete student profile. Student Management Information System is a fully computerized system or a database where all the student related data can be stored, retrieved, monitored analyzed. The data is saved at a centralized location rolebased login access is given to all the stakeholders for ensuring student data security. Functionalities like registration, admission, billing, financial aid provision to students make the entire process of enrolment quick, systematic errorfree. 2. Library : This module facilitates detailed information about due books ,no. of books and authors along with publication, details of journal subscription, transaction details, and library feedback where everyone can give feedback about library. Library Management System (LMS) is a network of computers that uses a certain program to facilitate technical functions of the library. One such function is electronic cataloguing. With LMS,

library users can trace desired books electronically without going through shelves. LMS also facilitates the lending process by keeping records of items lent and borrowers' information. LMS supports other administrative tasks such as inventory and data processing.

3. Account Section : The module includes payroll module which helps to create salary voucher , salary slip of staffs,. It also provides details of fees for all available courses like B.E., M. Tech , MBA and polytechnic. MIS reports allow for evaluation of the performance of employees, machinery, and even money (investment). This allows the management to make decisions about the future. Helps in cost control by pointing out turnovers, idle times, wastage of resources etc.

4. HR Module : In this module, staff appointments, joining dates, documents, salary details, Staff profile , salary attendance Vouchers, leave module from where they can apply online for leave in via personal log in.

5. Communication : Through this, SMS, Emails are sent to students regarding examination results and low attendance records. MIS systems facilitate communication within and outside the organization – employees within the organization are able to easily access the required information for the day to day operations. Facilitates such as Short Message Service (SMS) Email make it possible to communicate with customers and suppliers from within the MIS system that an organization is using.

Record keeping – management information systems record all business transactions of an organization and provide a reference point for the transactions.

6. Examination Results : University result of students can be stored and sent through SMS to parents by using this module. This module allows you to generate result of students for different examination and different types of exams during the year as oral, practical, written, etc. Manage the results of the school students and keep a record of results of the students throughout the year. You can enter marks of the students and can automate the generation of the report card. Generate report card along with allocated grade, based on grade

Part B

CRITERION I – CURRICULAR ASPECTS**1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Curriculum delivery Planning (Academic Planning) Academic Calendar:-The institute is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University and follows the curriculum prescribed by the university. The Academic Calendar is finalized in alignment with the University calendar. **Academic Policy:-** Before the start of every academic session, Principal conducts meeting with Vice-Principal, Deans, Heads of all the Departments, and finalize Academic Policy which covers following points. **A. Teaching Load Distribution:-**The teaching load (theory and practical) is appropriately allotted among the faculty members. Distribution of subjects is according to the choices given by the faculty and as per the requirement of the department. **B. Time Table:-**Time table is prepared as per the teaching scheme of RTM Nagpur University and departmental requirement. **C. Preparation for Course Delivery:-** Teaching Plans (Theory & Practical) and Tutorial Plans are prepared by the subject teachers before the start of every semester. Course files are prepared by all faculty members which include Syllabus, Program Outcomes, Program specific outcomes and Course Outcomes, Teaching Plan, Tutorial Plan, Tutorial Sheets, Academic calendar, Assignment Questions, University Question Papers, Examination question papers, etc. **Teaching Learning Process**

- Each department has its own Vision and Mission which matches with the Institutional Vision and Mission.
- PEOs, POs, PSOs and COs are defined for each program. To complement the conventional teaching methods, the departments emphasize on following practices.
 - Expert lectures, Video lectures of expert from IITs and NPTEL lectures
 - The use of ICT tools
 - Visit to industry for practical exposure.
 - Conferences, Workshops, seminars and tech fests are organized. Study groups for courses are formed for peer-to-peer learning. Group discussion/Technical quiz/Surprise test.
 - For the preparation of GATE, classes are conducted. Action plan for ensuring effective curriculum delivery
- Effective implementation of curriculum is periodically done by departmental and central academic committee.
- The continuous academic monitoring is done through academic review which is taken every fortnightly. Dean Academics after reviewing the Academic report, communicates the discrepancies if found to Head of the department. HOD takes necessary action for the improvement.
- Academic Audit is conducted at department and Institute level to verify the content of course file, Evaluation Process and Laboratory Conduction.
- Academic feedback is taken from the student on the basis of various parameters to improve teaching learning process. Feedback is communicated to the concern faculty for necessary corrective measures.
- Remedial classes are conducted for academically slow learners.
- For effective understanding of the course, ICT tools and other pedagogical practices are used. Guest lectures, workshops, seminars, industrial visits, training programs related to subjects are organized for effective understanding of the subject.
- Course end survey for every subject is taken from the students to analyze their understanding of the subject.
- Laboratories have standard operating procedure.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
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AutoCAD Workshop	NA	08/02/2019	15	Employability Entrepreneurship	Yes
Solid Works Workshop	NA	10/12/2018	15	Employability Entrepreneurship	Yes
Personality Development	NA	12/07/2018	11	Employability Entrepreneurship	Yes
SAP	NA	20/08/2018	4	Employability Entrepreneurship	Yes
Internet of Things (IOT)	NA	16/09/2018	4	Employability Entrepreneurship	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	31/07/2018
BE	Electrical Engineering	31/07/2018
BE	Civil Engineering	31/07/2018
BE	Computer Science and Engineering	31/07/2018
BE	Information Technology	31/07/2018
BE	Electronics and Telecommunication	31/07/2018
Mtech	Electronics Engineering	31/07/2018
Mtech	CAD/CAM	31/07/2018
Mtech	IPS	31/07/2018
Mtech	PEPS	31/07/2018
Mtech	CSE	31/07/2018
Mtech	SS	31/07/2018
MBA	MBA	31/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	273	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Feedback is taken from all the stakeholders (Student, Teachers, Employers, Alumni, Parents) every year. Feedbacks obtained are analyzed for understanding of the stakeholders, took their suggestions, delivery and shortcomings in curriculum. All the HODs/Directors are informed of their department's feedback with an analysis of it for corrective measures if any. The analysis is also presented to the Chairman for necessary support and corrective measure implementation. The analysis is also uploaded on college webpage (https://wcem.in). Effective implementation of curriculum is periodically done by departmental and central academic committee. The continuous academic monitoring is done through academic review which is taken every fortnightly. Dean Academics after reviewing the Academic report, communicates the discrepancies if found to Head of the department. HOD takes necessary action for the improvement. Academic Audit is conducted at department and Institute level to verify the content of course file, Evaluation Process and Laboratory Conduction. Academic feedback is taken from the student on the basis of various parameters to improve teaching learning process. Feedback is communicated to the concern faculty for necessary corrective measures. Remedial classes are conducted for academically slow learners. For effective understanding of the course, ICT tools and other pedagogical practices are used. Guest lectures, workshops, seminars, industrial visits, training programs related to subjects are organized for effective understanding of the subject. Course end survey for every subject is taken from the students to analyze their understanding of the subject. Laboratories have standard operating procedure.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
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No Data Entered/Not Applicable !!!

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	692	153	105	25	6

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
130	60	3	12	5	3

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Preamble: During their 4 years journey through the undergraduate engineering program students often need monitoring, guidance, and counselling from a loving elderly figure. Direct academic issues example selection of electives can be easily communicated to the student but for example, career options or fear of the subject need greater involvement of the mentor. The student should have the same mentor all through the 4 years of the journey. To improve the institutes present Endeavour towards academic quality up-gradation it has become necessary to redefine the existing system. The new system when practices diligently will immensely contribute to the improvement of overall academic quality. The student will be greatly benefitted from continuous expert guidance. Mentoring system: The new process has been established as a mentoring system. Each faculty will be the mentor of a group of 20-25 students. The first-year student will have a mentor from the department of basic engineering and science and the second, third-year and fourth-year students will have mentors from the parent department. Departmental faculty will continue to be mentors for the same group of students till their graduation. Responsibility: The mentor will perform the following function. The list of courses cannot be exclusive. A mentor can always do more for the benefit of the student. 1. Meet the group of students at least twice a month. 2. Continuously monitor, counsel, guide, and motivate the student in all academic matters. 3. Advice students regarding choices of electives, project summer training, etc. 4. Contact parents / Guardians if the situation demands. Ex. Academic Irregularities, negative behavioural changes, and interpersonal relations, detrimental activities. 5. Advice students in their career development/professional guidance. 6. Keep contact with the student even after their graduation. 7. Intimate HOD and suggest if any administrative action is called for. 8. Maintain a detailed progressive record of the student. 9. Maintain a brief but clear record of all the discussions with students. HOD: The HOD will 1. Meet all the mentor of his/her department at least once a month to review the proper implementation of the system. 2. Advice mentors wherever necessary. 3. Initiative administrative action on students when necessary. 4. Keep the Head of the Institute informed. Academic committee: Institute academic committee will discuss mentoring related issues at least twice in a semester during its meeting and revise/upgrade the system if necessary. The Institute is emphasizing towards enhancement of enhancing the Institutional ambiance to better serve the needs of an ever-changing and dynamic learning community.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
845	130	1 : 7

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
130	130	0	0	4

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
Nil	NA	Nil	NA
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	NA	2018-19	17/05/2019	20/06/2019
Mtech	NA	2018-19	23/05/2019	28/06/2019
BE	NA	2018-19	10/05/2019	07/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Response : • The institute is affiliated to the RTMNU, Nagpur from the year 2008. The University implemented the Credit-Based System for Under Graduate courses from the session 2015-16 Credit Based Choice System for the postgraduate courses from the session 2016-17. • The Principal Head of the Department conduct the meeting with the students to inform internal assessment for the session. Head of the Department monitors the internal assessment of the students done by the Faculty members. • The evaluation process is discussed in the Department Industry Advisory Board meeting of respective departments. After discussion, it is approved by concerned authorities. • The improvements of the evaluation processes are discussed in IQAC meeting with the academic expert, HOD's, Principal, and the decision is taken is conveyed to other faculty members by the HOD communicated to students through Class teachers or Teacher guardians. • Student's performance is continuously evaluated through attendance, two sessional exams one pre-University examination, an online test, and evaluation of practical exercises, presentation, and project work. • The checked answer sheets of Sessional Pre-University Test are shown to the student and marks scored are displayed on the notice board. • Internal marks of practicals are awarded based on attendance, performance in laboratories, regular checking of practical records, and internal submission. The internal submission includes performance on the given experiment and one to one viva and online test. • Project evaluation is done based on performance in progress seminar which is conducted every month, technical paper viva, etc. Moderation of question paper, as well as answer sheet, are done to ensure the proper evaluation. The internal assessment scheme is also displayed on the notice boards. • The evaluation for the project course is assessed by conducting

periodical project reviews covering key parameters like problem formulations, understanding of the project, communication of ideas, technical knowledge, teamwork, and project management. The major project consists of 200 marks. • The project review committee organizes review meetings to assess the progress of all the project batches. Performance of the students in Internal Assessment is used for Faculties to identify slow and advanced learners in their respective subjects. Slow Learners are encouraged to improve their performance in the future by counseling. Counseling Sessions are used to sort out personal issues, academic and non-academic problems. • Internal marks are assessed on the following criteria 1. Monitoring the attendance of theory and practical's. 2. Performance of Sessional I Sessional II 3. Performance of Pre University Test. 4. Online tests of respective subject Lab 5. Presentation / Project work.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Response • The institution adheres to the academic calendar for the conduct of CIE Academic Calendar: RTM Nagpur University displays the academic calendar on its University website at the beginning of every academic year. • The institute refers to the University's 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, extra-curricular activities, sports, sessional and pre-University examinations, remedial classes, internal practical submissions, display of sessional PUT results, guest/expert lectures etc. CIE: • Continuous assessment and evaluation of students performance are carried out. Review meetings are arranged periodically by academics to review coverage of the syllabus. • Depending upon necessity, time tables are changed and modified so that the syllabus is completed within the stipulated time. • Informal feedback of students regarding the understanding of the subjects is taken by the head of the department and principal and corrective measures are taken. • Attendance monitoring is done on regular basis on a monthly basis attendance report is generated and analyzed. The information of the students having poor attendance is conveyed to the parents in Parent-teacher meet, by telephonic call or SMS. • The feedback of the subject is taken manually in each semester. • The Class Representative (CR) meeting is conducted every month with faculty Principal, where syllabus coverage, events to be organized, difficulties faced by the students, and feedback are discussed. • Two sessional exams and one Pre-University Test are carried out in each semester. • Evaluated answer sheets are shown to the students to understand where they have to commit mistakes while writing the answers. • Performance of students in exams is analyzed and is conveyed to the parents as well. • Continuous assessment of practicals evaluated based on experiments performed, presentation skills, technical skills, discipline regularity, knowledge skills is done by faculties on regular basis marking is given to the practicals in the lab session. • Project evaluation is done on the relevance of project title, idea/ concept of project, literature survey, the progress of the project on monthly basis through progress seminar in presence of Project coordinator. o Final compiled marks are shown to the students by respective subject teachers. Teaching Plan: • Faculties are allotted subjects before the 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 a subject file which includes syllabus of the subject, teaching plan, assessment sheets, question bank, University question papers, content beyond the syllabus, list of text reference books, unit-wise notes, result from analysis, etc. • The concerned faculty experiment at the start of the session laboratory manuals are revised before the beginning of the semester if applicable.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://wcem.in>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://wcem.in>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nil	0	NA	0	0
No file uploaded.				

3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Internet of Things (IOT)	ETC	16/09/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NA	0

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	BE First year	2	Nil
National	CE	3	Nil
National	ME	1	Nil
National	EE	3	Nil
National	CSE	11	Nil
National	ETC	2	Nil
No file uploaded.			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
BE First year	1
CSE	11
ME	4
EE	8
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
NA	NA	NA	Nil	0	NA	0
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Enhancing power factor and efficiency of three phase IM Drives using single main PWM	Dr. D.R Tutakne	IEE	2018	5	Nil	WCEM

switch and three auxiliary switches						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	1	Nil	2
Presented papers	3	Nil	Nil	Nil
No file uploaded.				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NA	NA	0	0
No file uploaded.			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NA	NA	NA	0
No file uploaded.			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Student Exchange	8	Multitech	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab	Duration From	Duration To	Participant

		with contact details			
Internship	Internship	CMS IT Services Privet Limited	Nil	Nil	15
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
150	133.48

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SACK INFO	Partially	2.5	2015

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional

(Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NA	NA	NA	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	384	6	0	1	1	0	11	10	0
Added	0	0	0	0	0	0	0	0	0
Total	384	6	0	1	1	0	11	10	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

10 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
PPT, Videos	http://wcem.in

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
410	372.02	150	133.48

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Every Department has classrooms and laboratories as per AICTE norms. Time tables are planned by the department for the utilization of classrooms and Labs. The time required for maintenance of Lab, classrooms are considered along with time slot required for practice session and examination. Tutorial rooms and seminar halls are available for additional teaching work. The seminar hall is utilized for conducting Guest lectures, training, conferences and workshops. students are encouraged to actively participate in paper presentations and group discussions. The workshop is utilized by all departments for project work all machines including lathe, shaper, welding, are available and used regularly. Every department has a computer lab which is used for practical work, online exams, aptitude tests, project development and competition of students and staff. Library: Books are available in the library as per the curriculum and reference books and journals are available for the students. some books are also available through Book Bank Scheme. CDs are available in a library that provides technical lectures, videos, and demos pertaining to subjects, eBooks and e-journals are subscribed and made available to students. Delnet membership is available with library also college member of National

Digital Library that provides large numbers of books online College has both indoor and outdoor sports facility with a playground for football, volleyball, basketball, badminton and indoor sports like carrom, chess.

<https://wcem.in>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management	560	18149548
Financial Support from Other Sources			
a) National	Government and other sources	595	47237998
b) International	NA	0	0
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
Nil	NA	0	0	0	0
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	3	BE	CSE	WCEM	MTech
2019	1	BE	CE	WCEM	MBA
No file uploaded.					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council is formed every year in the college for the participation of students in academic and administrative bodies/committees to develop the leadership qualities and teamwork. Job role of this council is to conduct all the technical, cultural events and social activities during the academic year. A committee is constituted in the institution, which comprises the Principal, HODs, Deans and senior faculty members to select the President, Secretary, Joint Secretary, Treasurer, Coordinator, Lady Representative, Various Representatives and Class Representative. Applications are invited from the interested students and scrutinized based on academic performance, capabilities and followed by personal interviews. Applications are also invited for other activity representative like NSS, NCC and Sports etc. for that He or She should contain leadership qualities and should be active in Curricular and extra Curricular activities. Ideas are presented, voted upon and confirmed by the student body president. Members committee is also formed for student's council. After receiving the applications for the different positions, scrutiny is performed by the Faculty in Charge of the body. A class representative is selected from all the sections of 1st year to final year. The class representative holds an important position in the structure of the Student Council. He or she represents the feelings and interest of the class in student's council. Class representative encourages other students to get involved in student council activities. These bodies organize various programs

like paper presentation competition, poster presentation, symposium, and quiz competition etc, every year. They also help to raise funds for social activities, poor people, Wide activities and college reforms. The funding for such activities of internal college bodies is provided by the management of the institute. The various student forums are also formed at departmental level by conducting interviews for different posts. Results are immediately declared and forum is formed. Every year, fund is provided for cultural events, sports various activities under it. Many students had participated this year for sports like Kabaddi, and Samruddhi Daud etc. and also bagged the prize for their respective departments. Following are the constitutions of Student Council: • President • Secretary • Joint Secretary • Treasurer • Lady Representative • Representatives for NSS, NCC, Sports, Cultural activities. • Members for respective departments • Co-Ordinator The institutional committees have student representative that ensures participation of students in all activities. The academic monitoring committee consists of class representatives of all branches along with faculty members to monitor and ensure discipline in academics. Alumni are invited to give their valuable suggestions that are incorporated for supporting the curriculum.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The decentralized pattern of organization mandates leadership and key roles at different rungs of the ladder and hence the management promotes second rung leadership along with the first rung consisting of senior faculty members and specialists. The various cells are headed by senior faculty members as coordinators who are free to choose their team members from both medium level and junior teachers. This brings about an all inclusive participation of all teachers in all the varied committees, cells and in the many activities and events of the college. The senior and experienced staff of the institution leads and paves the future path to the younger faculty. Retired teachers are often invited to attend college events and activities and are also consulted whenever the need arises. The institution follows a decentralized form of organization which automatically augments a culture of participative management. The IQAC is at the center of all academic extracurricular activities of the college and acts as a liaising catalyst between Principal and the Departments on the one hand and also between the management and the departments along with the various cells The institution follows a decentralized form of organization which automatically augments a culture of participative management. The IQAC is at the center of all academic

extracurricular activities of the college and acts as a liaising catalyst between Principal and the Departments on the one hand and also between the management and the departments along with the various cells. Many of the senior teachers with special expertise are Principal investigators or supervisors of Research Projects, coordinators of Post Graduate program etc. Senior Faculty members like HODs and Vice Principal are sent for meetings with UGC, University offices and to attend NAAC sponsored seminars and conferences as college representatives with regard to Higher Education Policies.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Regular revamping of curriculum through involvement of academicians and industry personnel. The process is monitored at various levels within department and institute. Outcome based, choice-based and student centric policies are given more thrust in curriculum design. More focus on professional and open electives.
Teaching and Learning	The classroom teaching is well supported by smart boards, and LCD projectors. The academic calendar is strictly followed and monitored for delivering course contents define by every course teacher in course delivery plan. Penalty based attendance system is followed. Opportunity for students to learn at other institutes of repute is provided through credit transfer scheme. There is scope for industry oriented projects for both UG and PG students.
Examination and Evaluation	A preliminary exam is conducted at first year to prepare students for theory exam. Regular class tests and assignments help students prepare for the theory examinations. Mock practical are conducted to prepare the students for practical exam.
Research and Development	Research and development is an integral part of activities of institute. The key goal of the institute is to provide creative atmosphere in which higher studies and research thrive amongst the faculty and student. It also promotes and manages institute-industry interaction. The institute supports to faculty for research oriented work. Faculties publish papers in the national and

	international journals. Faculties regularly update their knowledge through reading various national and international journals in their field of interest. Faculty transfer their knowledge through innovative way to the students by training research methodologies and teaching methodologies. Students regularly update their knowledge by reading journals which are published in the national and international journals.
Library, ICT and Physical Infrastructure / Instrumentation	Infrastructure / Instrumentation have a modern library with SACK INFO 2.5 software and online renewal facility. Institution has a fully Wi-Fi campus with adequate firewall and security measures.
Human Resource Management	FDP are organized during every semester by inviting experts from industries and institutes.
Industry Interaction / Collaboration	Each department has one faculty appointed for industry interaction. WCEM also organizes seminars, technical festivals etc. where students are exposed to industry experts in their respective fields.
Admission of Students	Admission of Students strictly based on results of MH-CET and JEE as per rule and regulation of DTE Maharashtra. Application process is fully online.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Five year Perspective Plans and yearly budgets are prepared based on online inputs received from students and faculty.
Administration	Maximum administrative functions are now digitized using ERP software.
Finance and Accounts	All financial transactions are conducted through “Tally” and are integrated with ERP software. Majority transactions are now conducted through embanking online process to ensure speed, better security and monitoring.
Student Admission and Support	Online admission form, online branch allotment based on merit, online fee payment.
Examination	Students are guided to fill exam forms online.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee

of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	GYANODAYA 7.0	NA	18/03/2019	19/03/2019	50	Nil
2018	NA	TECHTANTRA Workshop on MS- Office	12/02/2018	13/02/2018	Nil	50
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
13	117	42	42

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Transportation facility, Ambulance, Medical leaves, Causal leaves, Duty leaves , Accommodation for outstation faculty	Transportation facility, Ambulance, Medical leaves, Causal leaves, Duty leaves , Accommodation for outstation faculty	Transportation facility, Ambulance, Medical leaves, Causal leaves, Duty leaves , Accommodation for outstation faculty, Earn and learn facility

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The WCEM has our own audit team who conduct the internal audit on a regular basis, in addition to that the institution appointed an external agency to conduct audit to verify and certify the entire recurring and non recurring and the capital expenditure of institute each year. Qualified staff members from our finance department have appointed as internal auditors and they ensure thorough check on each payment and voucher on half yearly basis. So far there has been no major objection from any of audit teams. Minor error pointed out by audit team was corrected immediately. Precautionary steps are taken to avoid such mistakes in future. The institute regularly follows internal and external financial audit systems. The evidence of Regular audits, Balance sheets, and necessary data as a proof of financial management (Both internal and External) are available in administrative office of institute for financial year 2018-19 and 2019-20 as per rule of income tax Department, Government of India. The Institution has a transparent and well planned financial management system in which Management is the main sources of funds. The Resource mobilization policy focuses on achieving the goals and target of the institution ensuring accountability and transparency. The harmonized Governing body coordinates and monitors the optimal utilization of the funds for the promotion of learner-centric ecosystem.

- A financial advisory body is in place to manage the managed funds.
- Funds are provided to meet the infrastructure requirement of the institution while starting new programmes and centers.
- The management provides financial supports to seminars/workshops/expert talks/Association activities/Faculty Development programmes
- The extracurricular activities of the students are a major concern and adequate funds provide for Sports and Cultural activities
- Scholarships and free ships to the deserving students
- Financial Resources of the institution are o Tuition fee o Hostel Fee o Grants From individuals o College Development Fund
- Tuition fee and Corporate grant is used for the infrastructure and academic activities
- Transparency and accountability is ensured by conducting an annual audit of the statements Maintenance
- Building maintenance and infrastructure upgradation is achieved through regular monitoring by the Management and the Planning Committee and devising suitable proposals for implementation.
- Allocation of adequate budget for annual maintenance of college infrastructure by the management.
- Sufficient support staff is maintained to upkeep infrastructure including toilets.
- Water Purifiers are regularly serviced.
- Painting, roof maintenance plumbing maintenance and repairs done, including sewer systems as per requirement.
- Mechanical equipment are repaired regularly.
- Provisions of Classroom Maintenance including furniture, doors and windows.
- General and emergency repairs are done with the management or department funds.
- The water tanks and well are cleaned regularly.
- Optimum Utilization
- Annual Stock verification is done for each department Laboratory Maintenance
- A cost effective approach is followed for the laboratory maintenance. Annual stock verification of chemicals, glassware and all other lab equipment done.
- Mechanical and lab equipment are repaired and maintained by the lab assistants and complicated repairs

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NA
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	WCEM	Yes	Academic Co-Ordinator
Administrative	Yes	WCEM	Yes	IQAC Co-Ordinator

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Involvement of parents in different is always appreciated Parents contribute and give their valuable suggestions through their representation on following activities Visit to student project exhibitions Parent teacher meet Parents from industrial sector supports for enhancing industry institute interaction Feedback on curriculum

6.5.3 – Development programmes for support staff (at least three)

Computer literacy Tally for accountant

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Excellence award for non teaching Publication of College Magazine

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Self Defense an important life skill	21/07/2018	21/07/2018	54	54
Seminar on Stri Suraksha	04/08/2018	04/08/2018	60	40
Seminar on Human Trafficking	08/08/2018	08/08/2018	50	50

Seminar on Female Infanticide	17/09/2018	17/09/2018	50	60
Guest lecture on "Self Development, today's need as a human being"	23/10/2018	23/10/2018	70	50
Program on leadership development	18/01/2019	18/01/2019	40	80
International Bonding	05/02/2019	05/02/2019	45	70
Seminar on Women Empowerment	05/03/2019	05/03/2019	50	60
International Women's Day	08/03/2019	08/03/2019	55	49
Movie screening on Gender Equity	08/03/2019	08/03/2019	80	70
Group discussion on Gender Sensitization	20/03/2019	20/03/2019	67	70

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1.LED 2.Green Campus

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	845
Provision for lift	Yes	302
Ramp/Rails	No	0
Braille Software/facilities	No	0
Rest Rooms	Yes	135
Scribes for examination	Yes	1
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students
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	locational advantages and disadvantages	engage with and contribute to local community					and staff
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct	02/07/2018	Code of has been prepared for both students and teachers of WCEM to keep regular monitoring of Teaching learning process. Conduct of student is an integral part of his personality and academic performance responsibility is ensured for academic development. They are displayed on institute web site and communicated to students and teachers.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2018	15/08/2018	30
Environment Day	15/06/2018	15/06/2019	60
Yoga and Meditation	Nil	Nil	Nil
Shiv Jayanthi	19/02/2019	19/02/2019	71
Republic Day	26/01/2019	26/01/2019	30
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

LEDs Green Campus Tree Plantation Plastic Free Campus Restriction of Two Wheelers Parking
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practices Best Practice: 1 • Title of the Practice: Undergraduate research • Objective: The students are encouraged to get involved in research activities in the earlier stage of their career. • Context: The students are encouraged to do in house researches. This improves their interest in the subjects and also their learning capacity. The employability of the students will also increase as they will have an idea of how to handle problems. • Practice: Students are advised obtain an idea of their project and to implement it in house. This will improve their knowledge about the importance of different subjects. • Evidence of Success: Students have excelled in completing their projects effectively. • Problems Encountered and Resources Required: The students had problems in obtaining the different project component. The institution had to set up a lab
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for this. Best Practice : 2 • Title of the Practice: Water Supply to Gumgaon Railway Station • Objective: To provide water facility to Gumgaon railway station. • Context: 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. • Practice: This Practice has been implemented since 1912-1913. The water is supplied through the tube well where the pipe line has been laid from the college to the railway station and all water needs are supplied from college with free of cost. Every day the water is supplied to the railway station storage tank. • Evidence of Success: Passengers as well as surrounding people are utilizing water. During summer also they are benefited with this facility. • Problems Encountered and Resources Required: The institution had to decide the convenient route for water supply. For that the institution took help of Engineers to plan to complete the project as early as possible. And institution had to suffer from some financial issues.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.wcem.in>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Wainganga Bahu-Uddeshiya Vikas Sanstha's (WBVS) Wainganga college of Engineering and Management Nagpur. Encourages of 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. The idea started as Education Process Re-Engineering which proposed by faculty members. This EPR has four faces, viz. (a) Brilliance in Academics (b) Investigation of Knowledge through Research (c) Enthusiasm of Innovation Entrepreneurship (d) Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility. ? Brilliance in Academics: A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global needs and through teaching-learning methods blended 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. ? Investigation of Knowledge through Research: The Institute's determination to be transformed into a centre for major research is therefore a commitment to offer high quality teaching through: • Synergies between Research Education Activities • Research Based Learning Teaching The Course based projects, Social impact projects, certificate courses offered by the institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. Enthusiasm of Innovation Entrepreneurship: The institute provides a platform to business Start-ups to develop their ideas into commercially viable products. The students participate in the Big Idea Competition and the best ideas are rewarded. Week End Lab facilitates the students to work on innovative project ideas. EDC Cell of WCEM encourages the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials. Training and placement Cell crucially works on generating the excitement in the young engineering brains to manufacture innovation and thus laying the stones for entrepreneurship. ? Exponent for Development of a Rounded Personality with Global Vision and Social Responsibility: Participation of the students in Co-

Curricular Activities (CCA) and Extra Curricular Activities (ECA) helps to enhance all rounded personality to strongly face the turbulent road of the future. Experiences and appreciations gained through these activities assist students during internships. Career guidance, Personal counselling, Training are well structured through a Mentoring Training and Placement (TP) centre. Student participation in ECA / CCA is facilitated through professional bodies and student associations. Since the Vision of the Institute focuses on comprehensive and sustained growth of the students and that of the Institute along with its student community, the Experts serves as a unique tenet that directs the Institute's de facto modus operandi which leads to appreciable, all-round performance by assuring global standards through value-adding education and interdisciplinary research paving ways to sustainable development.

Provide the weblink of the institution

<https://www.wcem.in>

8.Future Plans of Actions for Next Academic Year

Institute has been initiating and implementing various activities to assure and improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development. Another aspect, institute is focusing is social exposure to students and faculty by conducting extension activities. In view of the vision, mission and core values, institute has planned for following initiatives. 1. Organize more community service activities to contribute to the wellness of the society Institute is planning to organize more community service activities to contribute to the wellness of the society. Along with NSS unit, departments are involved in the organization of different social activities. 2. Firm up collaborations to bridge the gap between academia and industry. Industry is the major stake holder of technical institution. Continuous interaction between technical institution and industry is an essential requirement to enhance an employability of engineering graduates. Institute has been in association with various industries and providing very good industrial exposure to the students. In order to sustain and enhance the interaction with the industries, Institute has planned to focus on interaction with industry with the involvement of every faculty and students as well. Also, planned to firm up association with industry by signing MOU for formal collaboration. More focus through interaction with industry will be to motivate students for industry sponsored projects, for industrial internships. 3. Intensive training for preparing students for competitive examinations Recently, Institute has formulated committee for competitive examinations. This committee will work for providing support to students willing to prepare for various competitive examinations and for creating conducive environment for students for the same. 4. To promote entrepreneurship and innovation through skill development. Institute has developed "Entrepreneurship and Skill Development Cell" and planning for enhanced activities in this area. Skill development will be the focused area for enhancing employability of students. 5. Up gradation of Class Rooms with ICT Tools 6. Organization of workshops, training on advanced technologies 7. Industrial Projects: Students are encouraged to take more Industrial projects to accomplish the societal needs. 8. Construction of gymnasium and yoga for overall development of student apart from curriculum. 9. Research and Development An incentive policy for high quality publications, patents and copyrights has been prepared and process of implementation. 10. Industry Interaction / Collaboration Each department has one faculty responsible for industry interaction to promote placement of students and improve campus selection ratio.