Yearly Status Report - 2017-2018

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 finance	đ	
Name of the IQAC co-ordinator/Directo	r	DR.SHRIKANT	NIMKAR	
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 Acade	emic Year)	https://w	cem.in	
4. Whether Academic Calendar prepare the year	pared during	Yes		
if yes,whether it is uploaded in the institutional website: Weblink:		https://wcem.in/academic.php		
5. Accrediation Details				
Cycle Grade	CGPA	Year of	Vali	ditv
		Accrediation	Period From	Period To
1 B 2.15		2018	30-Nov-2018	29-Nov-2023
6. Date of Establishment of IQAC		12-Jan-2017		

Quality initiatives by IQAC during the year for promoting quality culture

7. Internal Quality Assurance System

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Code of Conduct	02-Jul-2018 2	1074

L::asset('/'),'public/').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.\$instdata->upload_special_status)}}

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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/Departmen t/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	<u>View Link</u>
10. Number of IQAC meetings held during the year :	1
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	<u>View Uploaded File</u>
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)

No Data Entered/Not Applicable!!!

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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/N	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	2018
Date of Submission	03-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Management Information System of WCEM 1. Student Section: the module contains class list of students, no. of students, their unique id, personal information, contact numbers, alumni list and complete student profile. 2. Library: This module provides detail information about due books, Number of books and authors along with publication, details of journal subscription, transaction details, and library feedback where everyone can give feedback about library. 3. Account Section: the module contains 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. 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. 6. Examination Results: University result of students can be stored and sent through SMS to parents by using this module. Results are also sent to parents by speed post. 7. Hostel: List of all students availing hostel facility and attendance along with fees update is available in this module.

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 a 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: - 1. Each department has its Vision and Mission which matches with the Institutional Vision and Mission. 2. PEOs, POs, PSOs and COs are defined for each program. 3. To complement 4. the conventional teaching 5. methods, the departments emphasize on following practices. 6. Expert lectures, Video lectures of an expert from IITs and NPTEL lectures The use of ICT tools. Visit 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 the curriculum is periodically done by the departmental and central academic committee. The continuous academic monitoring is done through the 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 based on various parameters to improve the teaching-learning process. Feedback is communicated to the concerned faculty for necessary corrective measures. Remedial classes are conducted for academically slow learners. For an 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 a standard operating procedure.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

С	ertificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Mo	Solid odeling	0	08/01/2018	5	Employabil ity	Yes

Techniques					
AutoCAD	0	08/01/2018	5	Employabil ity	Yes
REVIT	0	13/08/2017	13	Employabil ity Entrepre neurship	Yes

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction	
Nill	NA	Nill	
No file uploaded.			

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	05/07/2017
BE	Electrical Engineering	05/07/2017
BE	Civil Engineering	05/07/2017
BE	Computer Science and Engineering	05/07/2017
BE	Information Technology	05/07/2017
BE	Electronics and Telecommunication Engineering	05/07/2017
BE	Electronics Engineering	05/07/2017
Mtech	CAD/CAM	05/07/2017
Mtech	IPS	05/07/2017
Mtech	PEPS	05/07/2017
Mtech	CSE	05/07/2017
Mtech	ss	05/07/2017
Mtech	Electronics	05/07/2017
MBA	MBA	05/07/2017

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

	Certificate	Diploma Course
Number of Students	95	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 D	111			
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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 !!!		

1.4 - Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	No
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

Action plan for ensuring effective curriculum delivery 1) 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/). 2) Effective implementation of curriculum is periodically done by departmental and central academic committee. 3) The continuous academic monitoring is done through academic review which is taken every fortnightly. Principal after reviewing the Academic report, communicates the discrepancies if found to Head of the department. HOD takes necessary action for the improvement. 4) Academic Audit is conducted at department and Institute level to verify the content of course file, Evaluation Process and Laboratory Conduction. 5) 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. 6) Remedial classes are conducted for academically slow learners. 7) 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. 8) Course end survey for every subject is taken from the students to analyze their understanding of the subject 9) 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	5		Number of Application received	Students Enrolled			
N	No Data Entered/Not Applicable !!!						

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	institution	Number of teachers teaching both UG and PG courses
2017	777	132	136	29	9

2.3 - Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning 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	Numberof smart classrooms	E-resources and techniques used
165	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 counseling 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 quidance. 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 behavioral 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
909	165	1:6

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
165	165	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	Year of Award Name of full time teachers receiving awards from state level, national level, international level Nill NA		Name of the award, fellowship, received from Government or recognized bodies	
Nill	NA	Nill	NA	
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NO TITE aproac

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	Nill	2017-18	18/05/2018	13/07/2018	
Mtech	Nill	2017-18	04/06/2018	28/06/2018	
BE	Nill	2017-18	10/05/2018	07/06/2018	
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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 Sessionals 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, is 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 • Monitoring the attendance of theory and practicals. • Performance of Sessional I Sessional II • Performance of Pre University Test. • Tests of respective subject Lab • 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 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, 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 is carried out. Review meetings are arranged periodically by academics to review coverage of syllabus. • Depending upon necessity, time tables are changed and modified so that syllabus is completed within the stipulated time. • Informal feedback of students regarding the understanding of the subjects is taken by head of the department and principal and corrective measures are taken. • Attendance monitoring is done on regular basis on 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 committing 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 on the basis of experiments performed, presentation skills, technical skills, discipline regularity, knowledge skills is done by faculties on regular basis marking is given to the practicals in lab session. • Project evaluation is done on relevance of project title, idea/ concept of project, literature survey, progress of project on monthly basis through progress seminar in presence of Project coordinator. • Final compiled marks are shown to the students by respective subject teachers. 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, list of text reference books, unit-wise notes, result analysis etc. • The concerned faculty perform the experiment at the start of the session laboratory manuals are revised before the beginning of the semester if applicable. • Class time tables are prepared and displayed on all notice boards.

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)

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
ľ						

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	
Nill 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
Ready Mix Concrete	Civil Engineering	16/08/2017
Application of STAAD Pro in Construction Industry	Civil Engineering	13/09/2017
Ground Improvement Techniques	Civil Engineering	13/08/2017
Shear Force diagram and Bending moment diagram	Civil Engineering	29/07/2017
SAP Training Program	Civil Engineering	01/09/2017
Workshop on SAP	Civil Engineering	01/09/2017
Autonomous Robotics and embedded system	ETC	08/02/2018
Workshop on Electrical Engineering	ETC	25/12/2017

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						
NA NA		NA	Nill	NA						
	No file uploaded.									

3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

	Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-	Date of Commencement
ı	Center			Start-up	up	Commencement

NA	N	Ά	N	A		NA		NA	Nill	
					upload					
3.3 – Research Publications and Awards										
3.3.1 – Incentive				gnition/a	awards					
State National International										
	0			0)			0		
3.3.2 – Ph. Ds aw	arded during	the yea	r (applicabl	e for PG	College	, Research	Center)		
N	Name of the D	Departme	ent			Num	ber of F	hD's Awarde	ed	
	N	Α						0		
3.3.3 – Research	Publications	in the Jo	ournals noti	fied on l	JGC wel	bsite during	the yea	ır		
Туре		D	epartment		Numl	per of Public	cation	Average Ir	mpact Factor (if any)	
Nil	1		NA			0			0	
			No	file	upload	ded.				
3.3.4 – Books and roceedings per T				ooks pu	blished,	and papers	in Nati	onal/Internati	onal Conference	
	Departr	ment				Nι	ımber o	f Publication		
	N	A						0		
			No	file	upload	ded.				
3.3.5 – Bibliometr /eb of Science o				last Aca	ademic y	rear based o	on avera	age citation ir	ndex in Scopus/	
Title of the Paper	Name of Author	Title	of journal	Yea public		Citation Ind	a m	nstitutional affiliation as nentioned in e publication	Number of citations excluding self citation	
NA	NA		NA	N	i11	0		NA	0	
			No	file	upload	ded.				
.3.6 – h-Index of	the Institution	nal Publ	ications du	ring the	year. (ba	ased on Sco	pus/ W	eb of science	2)	
Title of the Paper	Name of Author	Title	of journal	of journal Yea public		h-index		Number of citations cluding self citation	Institutional affiliation as mentioned in the publication	
NA	NA		NA	N	i11	0		0	NA	
No file uploaded.										
	3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :									
.3.7 – Faculty pa	articipation in	Semina	rs/Conferer	nces and	l Sympo	sia during th	ne year	:		

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

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Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities			
Swachhata Pledge	WCEM NSS Unit	6	65			
Swachhata Pakhwada-Institute Cleanning	akhwada-Institute Gumgaon		66			
Swachhata Pakhwada-Door to door Campaign	Gram Panchayat Gumgaon	5	65			
Swachhata Pakhwada- Swachhata Rally	Gram Panchayat Gumgaon	6	67			
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Name of the activity Award/Recognition		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/Agen cy/collaborating agency		Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites					
	No Data Entered/Not Applicable !!!								
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3.5 - Collaborations

houses etc. during the year

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
NA 0		NA	0
	No file	uploaded.	

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 with contact details	Duration From	Duration To	Participant			
NA	NA	NA	Nill	Nill	0			
No file uploaded.								

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

Organisation	Date of MoU signed	Purpose/Activities	Number of
--------------	--------------------	--------------------	-----------

							dents/teacher rticipated und			
		No Data Ent	ered/N	ot Appli	cable !!!	!				
	<u>View File</u>									
C	RITERION 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									
	2	200				192.1	3			
4	1.1.2 – Details of augmentation	on in infrastructure fa	acilities d	luring the ye	ear					
	Facil	ities			Existin	g or Newly	[,] Added			
	Campu	ıs Area				Existi	ng			
	Class	rooms				Existi	ng			
	Labora	atories				Existi	ng			
	Semina	r Halls				Existi	ng			
	Classrooms with	h LCD facilitie	es			Existi	ng			
	Seminar halls wi		ies			Existi				
	Video	Centre				Existi	ng			
			file	uploaded	l .					
	.2 – Library as a Learning		_							
_	I.2.1 – Library is automated {			-						
	Name of the ILMS software	Nature of automatic or patially)	on (fully	Version			Year of automation			
	SACK INFO	Partiall	-У	2.5			201	5		
4	I.2.2 – Library Services									
	Library Service Type	Existing		Newly Add	ded		Total			
		No Data Ent	ered/N	ot Appli	cable !!!	!				
			<u>View</u>	<u>File</u>						
G	I.2.3 – E-content developed I iraduate) SWAYAM other MC Learning Management Syste	OOCs platform NPTI								
	Name of the Teacher	Name of the Mo	dule		n which modeveloped	dule [Date of launc conten	-		
	NA	NA		NA Nill						
	<u></u>	No	file	uploaded	l.					
4	.3 – IT Infrastructure									
2	l.3.1 – Technology Upgradat	ion (overall)								
	Type Total Co Comp mputers La		rowsing enters	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others		

Existin g	433	6	0	1	1	0	7	10	0
Added	0	0	0	0	0	0	0	0	0
Total	433	6	0	1	1	0	7	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
NA	<u>na</u>

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 incurredon maintenance of physical facilites
450	425.62	90	79.87

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 class rooms and laboratory as per AICTE norms. Time table are planned by department for utilization of classroom and Labs. Time required for maintenance of Lab, class rooms are consider along with time slot required for practice session and examination. Tutorial rooms and seminar halls are available for additional teaching work. Seminar hall are utilized for conducting Guest lectures, training, conferences and workshops. Students are encouraged for active participation in paper presentation and Group Discussion. Workshop is utilized by all departments for project work all machines including lathe, shaper, welding, are available and used regularly. Every department has computer lab which is used for practical work, online exam, attitude test, project development and completion of students and staff. Library: Books are available in library as per curriculum and reference books and journals are available for the students. Some books are also available through Book Bank Scheme. CDs are available in library that provide technical lectures, videos and demo pertaining to subjects, eBooks and e-journals are subscribed and made available to students. DELNET membership is available with library also college is member of National Digital Library that provides large numbers of books online College has both indoor and outdoor sports facility with playground for football, volleyball, basketball, badminton and indoor sports like carom, chess

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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	223	8615347
Financial Support			

from Other Sources				
a) National	Government and other sources	312	12859000	
b)International	Nill	Nill	Nill	
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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 implemetation	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 passedin the comp. exam	Number of studentsp placed
2017	Carrier Counselling	0	190	5	Nill
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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
2	2	3

5.2 - Student Progression

5.2.1 - Details of campus placement during the year

	On campus			Off campus	
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents 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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	2	BE	Civil Engineering	G.H. Raisoni academy of Engineering and Technology, Nagpur	MTech

2017	6	BE	Civil	V.M.	MTech
			Engineering	Institute of	
				Engineering	
				and	
				Technology,	
				Nagpur	
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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	
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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
Nill	NA	Nill	Nill	Nill	NA	NA
No file uploaded.						

5.3.2 – Activity of Student Council & Expresentation of students on academic & Expresentative bodies/committees of the institution (maximum 500 words)

College gives an opportunity for the active participation of the student in various academic and administrative body's. This empowers the students in building leadership qualities and rules regulation disciplinary and execution skills. Selection, Constitution, Activities and funding. A class representative is selected from all the sections of 1st year to final year the class representative bring forward the views and suggestions of entire class with respective to the faculty, subjects, syllabus and all the others miscellaneous acts related to the class. The student council helps the students to share ideas and problems with the staff and principal. These bodies organize various programs like Seminars, Workshops, symposium, and paper presentation every year. The also help to raise funds for social activities , community Projects, Natural Disaster affected people, Wide activities and college reforms. The funding for various activities of internal college bodies is provided by the management. The 12 student committee bodies are formed such as :- Sr. No. Name of the committee 1 Library 2 Hostel committee 3 Discipline committee 4 Antiraging 5 sports club 6 National Service Scheme 7 Health and public awareness 8 Magazine committee 9 student grievance cell 10 Alumni cell 11 Adhigamya committee 12 Techyard committee

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

NZ

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 programs 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		
Research and Development	The institute anchorages the faculty members to perceive doctoral work published in the peer review.		
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.
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 practicals are conducted to prepare the students for practical exam.
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-governace 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
Nill	NA	NA	NA	Nill
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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)
No Data Entered/Not Applicable !!!						
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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
NA	0	Nill	Nill	0
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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teac	hing	Non-teaching		
Permanent	Full Time	Permanent	Full Time	
13	152	42	42	

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students	
Transportation facility, Ambulance,	Transportation facility, Ambulance,	Transportation facility, Ambulance,	

Medical leaves, Causal leaves, Duty leaves, Accommodation for outstation faculty Medical leaves, Causal leaves, Duty leaves, Accommodation for outstation faculty

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 institution has established mechanism for conducting internal and external audits for every financial year to ensure financial compliance. The internal audits are carried out whenever required. An external auditor appointed by parent trust executes the statutory audit. Statutory financial audit is conducted in two sessions, one in month of October/November for period of April to September and second in the month of April/May for the period of October to March. Finalization of account is completed in June /July and audited statements are prepared in June/July duly signed by principal and CA. No major objections are found in audit by statutory auditors and minor audit suggestions are compiled with as per procedure.

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 initiatives is always appreciated. Parents contribute and give there valuable suggestion through their representation on following activities. 1. Visit to student project exhibitions. 2. Parents teacher meet. 3. Parent's industrial sector supports for enhancing industry institute interaction. 4. Feedback on curriculum

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

1. Computer Literacy 2. Tally for Accountant 3. Safety in Electricity handling

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

1. Excellence Award for non teaching staff. 2. Publication of college magazine.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
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b)Participation in NIRF	No
c)ISO certification	No
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
Partnership with women	06/02/2017	11/02/2017	235	365

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

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	950
Provision for lift	Yes	250
Ramp/Rails	No	0
Braille Software/facilities	No	0
Rest Rooms	Yes	140
Scribes for examination	Yes	2
Any other similar facility	No	5

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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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)
Revised Code of Conduct for students and Teachers	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
No Data Entered/Not Applicable !!!			
<u>View File</u>			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. LEDs
2. Green Campus
3. Plastic free campus
4. Restriction of Two-Wheeler
5. Plantation of trees

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

Best practices 1 Provision of best Teaching Learning methodology Objective: To ensure and maintain balance between teaching and learning process for overall development of the students. To develop the talent of the students, this can be used by the students in their professional and social life. Context: For providing best teaching development of subject teacher play an important role so that institute has been taken an initiation by conducting faculty development programs (FDP). Institute has been allowing faculty members to attend any STTP and FDP programs organized by other institutes. Every section or branch contain at least 60 students, but we found somewhere weak students are lagging in their results as we except. Therefore we distribute the students in a group of 15 of every section and one teacher is appointed behind them called "Teacher Guardian Scheme" (TGS). Under the "Teacher Guardian Scheme" each and every faculty member should take care students with all respective way and encourage them for best result. Again one class representative was elected from students section wise to help and solve difficulty face by students. Practices taken: STTP and FDP enhance knowledge of person and which will reflect in their daily classes. FDP encourage the faculty to do new things and apply in your teaching learning process. Institute has been taken a initiation and develop a smart class room in which we introduce a digital world to the students and capture it for betterment of students hidden skill. Computer Labs, workshop and other required labs are always open for students to develop something new for the society. TGS is monitoring and guides the respective students in their

difficulties faced by them. Due to TGS students feel friendly environment in campus and which help to improve result in academics as well as in society. Student's feedback is conducted in departmental level every month in a semester. Feedback system is only for the improving teaching learning process and implementing good practices. It is compulsory students for attending project competitions/seminars/conferences for this institute has provided a financial support at some conditions. Skill enhancement programs for students Some modules of curriculum taught by industry persons Answer sheets are shown to the students and proper guideline is given to students for proper solving of question paper. Continuous monitoring on result of students and take a performance review Extra-curricular and co-curricular activities are done under the social gathering and technical fest.. Three months internship is compulsory for every courses student. Evidences of Success: Faculties are well trained and motivate for doing research work. Faculties are using PPT presentation and live example for explaining subject. TGS help to improve the result which shows us in university examination. Students hold rank in university examination in different semester. Weak students also excel their results. Some students are doing well in sports also. Resources required: To excel such practice again we required more number of smart classrooms. Some extra exposure and time from academics to the sports and extracurricular activities. Best practices 2 Research Development Objective: To promote and encourage the young scientist. To develop research from institute to industries. Context: Number of Ph.D. faculty members to be increased to promote the research work and research project. Sponsorship is given by the institute for attending conferences and seminars in the form of registration fees and TA/DA for faculties and some special condition it is applicable to students also Practices taken: Institute intended to organize a national and international conference at institute level to promote PG students. Institute has organized national conferences. Provision of duty leaves (with full pay) for attending conferences, paper presentation, writing thesis of Ph.D. etc. Felicitation of Ph.D. awarded faculties. Organized a Research methodology workshop. Technical and financial support for doing Patent and research. Evidences of Success: Numbers of research publications have been done by faculties and students in various reputed journals. Final year students have been doing live projects in industries and in institute also. Problems Arise and Resources required: Government recognized project could not be handling yet. Big research instruments are not available so trying to apply for research project.

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

https://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

The institute has well-defined perspective plans involving focusing areas, action plans to achieve the goals measures to verify their achievements. According to the vision-mission of the institution, the institution provides an earn learn scheme to the students. College provides Free Hostel facilities for boys and Girls students also free bus facility for the students staying in the city. In this scheme, the students work in college premises itself that helps us in managing their time, as they do not need to travel for work. Also, they get to work in a safe and supportive environment. It is a learning experience, as a student get to the chance to work in labs of our respective fields. They get to learn practically about hardware and software while installing, maintenance, repairing of various equipment, which is the best opportunity to learn new things in a short duration. The student has exemptions during exams,

as they are allowed to study during job hours. This is the support provided by the authorities of the college. This method reduces the burden of students for managing studies while working. This may not be possible for the students if they worked at some other place. In our institute a total of ten students (04 boys and 06 girls) participated in this scheme, they work in various places like the library, departmental labs, computer centre also in office work. The students of this scheme are helped financially by paying them Rs. 5000 per month. So, the total Rs. 60,000 has been utilized on this scheme. The main objective of the scheme is to develop a student as a multitasking personality with academic excellence and a commitment to the upcoming society.

Provide the weblink of the institution

https://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.