



SELF STUDY REPORT
FOR
1st CYCLE OF ACCREDITATION

**WAINGANGA COLLEGE OF ENGINEERING AND
MANAGEMENT**

**DONGARGAON, NEAR GUMGAON RAILWAY STATION, WARDHA ROAD NAGPUR. PIN- 441114
441114**

wcem.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2018

Executive Summary

Introduction:

Introduction

About Parent Organization

Wainganga College of Engineering and Management is governed by Wainganga Bahu-Uddeshiya Vikas Sanstha (WBVS). WBVS is established in 1991, is providing education in Bhandara, Gondia and Nagpur Districts. Today, under the umbrella of this society more than 17 education institutions include primary schools, High Schools, teacher education institutions, academic and professional Institutions.

About the College :- WCEM was established in 2008 to included Engineering skills, technical knowledge and management academy is located on society are eco-friendly land on National Highway no.7 Gumgaon Railway Station and proposed metro railway station. College offers 7 undergraduate courses, 6 M-Tech courses and a masters business management courses. Emphasis is given on personality development technical events, Promotivity Indian culture and sports. Nagpur Being upcoming industrial hub, students are benefited in getting secured jobs in various sectors. Institute has well equipped laborites, library and internet facilities. As a social responsibility, free bus and hostel facilities for girls and boys student are provided. For poor students “earn and learn” scheme in applied. Remedial classes for week students.

Vision:

Dissemination of knowledge by offering best quality world class education for re-engineering of regional, social and economic system in light of dynamic global environment; and contribution to national wealth through innovations

Mission:

Promote competitive merit and excellence as the sole guiding criteria in overall development of students for producing skilled engineers, managers, researchers, entrepreneurs and responsible citizens while adding value to industry and society in general.

SWOC

Institutional Strength :

Institutional Strength :

1. The institute is based on unique educational ethics which are helpful to needy, hardworking and talented students with poor socio-economic background.
2. The institute management is active and transparent.
3. The big strength of the institute is dedicated devoted and disciplined faculties which are available round the clock for students in campus.
4. Industry linkage with college is key motivational factor for students and industries associated with institute.
5. Institute has best infrastructure and well equipped laboratories, library and internet facility.
6. Institution has provided medical help to the needy students whenever required.
7. The NSS committee of the college is very active and participated in various noble activities like blood donation, tree plantation and, health awareness camp in nearby villages, and food and cloth donation to “Ashram School Students.
8. The college has run number of programmes to activate the students in engineering/technical education personality development training and placement and communication skill.
9. For future opportunity to the students every year institute has organised “Job Fair” which gives platform to the students of getting a job.
10. Lush green campus and sports facility.
11. Free bus and hostel facility for boys and girls students.

Institutional Weakness :

Institutional Weakness :

1. Less number of faculties with Ph.D qualification.
2. Alumni participation is less for overall development of institute.
3. Students are rural area with poor language competence.
4. Few consultancy and industrial projects under taken by faculty and institute.
5. Less admissions at 1st year level.

Institutional Opportunity :

1. Institutional Opportunity :

1. The academic excellence which is the institute has acquired makes it possible for our students to enter into globally reputed industries.

2. With the help of industries institute have been conducting various entrepreneurship activities in college campus.
3. Academic flexibility in terms of course offered within and beyond the college.
4. More emphasis on student's final year project with appointing industry expert on every project.

Institutional Challenge :

Institutional Challenge :

1. To bring funded research project in the institute.
2. Promotion of good qualities and academics of the institute up to the remote area.
3. To bring more participation of alumnae in development of academic and reputation of students.
4. To minimize the gap between industrial requirement and current curriculum.
5. Retention of qualified and competent faculty.
6. Frequent and fast changing technology.

Criteria wise Summary

Curricular Aspects :

This format to compile best practice in curricular aspect. It includes content of courses (the syllabus) the method employed and other aspects like norms and a value which relates to the way the colleges organize.

Curricular is essential in gradient of any education system. Curriculum is a like a frame work for guiding teaching and learning. This provides an opportunity to consider the link between the teacher learner and curriculum.

Teaching-learning and Evaluation :

The words educational materials involve images of large ,print, ,classroom ,textbook with small type ,out dated information and content that covers but not depth of subject but learning resources are mere than that. They are tools that help teachers teach and students learn.

The creation and transmission of knowledge is a central to the core mission of college. Our institute provides practical resources that faster the enhancement of teaching and learning. The staff is trained to handle events that is technically our institute establish relationship with various department to bring programming. Our institute offers and promotes Job Fair conduction to facilitate the students for training and placement

Research, Innovations and Extension :

It comprises of print and online journal research innovation is a key to development and realizing the

potential of particulars (staff & students) innovations requires research and extension system. Requires research and extension helps to produce positive impact. The conference and seminars aims to promote research and extension excellence and acknowledge various phases of the academy. It also ensures adherence to national standards

Infrastructure and Learning Resources :

The adequate and optimal use of the facility are available in institution to maintain the quality . Our institute stands for the well being and educational upliftment of the students. The planning and evaluation committee annually take feedback from various departments and purposes required renovation . The college prepares a long term plan . The institution ensure that the infrastructure facilities meet the requirements of the students with multipurpose indoor stadium, Toilets for boys girls , seminar hall renovated class rooms, and smart board facilities, Apple computer labs, up gradation of audio –visual room. Granite flooring in main building. Well-equipped hostels for girls and boys with free accommodation. Also sports ground for all track and field events are available.

Student Support and Progression :

Our institute have a system for student support and mentoring. Anti-effective anti-ragging cell is actively working in this college .The cell includes four members for each department with principal and HOD. Institute also promotes woman's cell for girl's safety and security. Our college has an independent system for student support and progression, Teacher guardian. Through this, our institute takes an effort to support and progression of students. Our institute is not a source for information and courses but a student centered institute, concentrated on students' progression with support and by providing suitable sources.

Governance, Leadership and Management :

Strong inspirational college leaders and management teams are encouraging forth the way to better education students. The students, major stake holders interact continuously with the vice chancellor. All the faculty members interact directly with Principal and HODs. A staff council of each department will meet regularly and assess the department progress similarly all office staff directly has access to management and principal. All HODs and teaching staff interact directly and continuously with students, parents alumni and civil society. The focus is on value based and quality education cost effective practices, research and innovation.

Institutional Values and Best Practices :

Our institute strives to lead value based education which promotes to good citizenry. Our institution quality always shown will best practices and values. Institutes reputation is leading due to institute values and best practices. Institute provides a platform for dispute resolution between member agents institute advocates the values and best practices.

Profile**BASIC INFORMATION**

Name and Address of the College	
Name	WAINGANGA COLLEGE OF ENGINEERING AND MANAGEMENT
Address	DONGARGAON,NEAR GUMGAON RAILWAY STATION, WARDHA ROAD NAGPUR.PIN-441114
City	NAGPUR
State	Maharashtra
Pin	441114
Website	wcem.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Bharat Chede	07103-202007	7757062102	07103-203728	principal.wcem@gmail.com
IQAC / CIQA coordinator	Prafulla Puri	0712-2235288	9834386936	0712-22283588	prafullaspuri@rediffmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education

By Shift	Regular
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Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details						
Date of establishment of the college		30-06-2008				
University to which the college is affiliated/ or which governs the college (if it is a constituent college)						
State	University name		Document			
Maharashtra	The Rashtrasant Tukadoji Maharaj Nagpur University		View Document			
Details of UGC recognition						
Under Section	Date	View Document				
2f of UGC						
12B of UGC						
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)						
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks		
AICTE	View Document	30-03-2017	12	EOA for year		
Details of autonomy						
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?		No				
Recognitions						
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?		No				

Is the College recognized for its performance by any other governmental agency?		No		
Location and Area of Campus				
Campus Type	Address	Location *	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	DONGARGAON,NEAR GUMGAON RAILWAY STATION, WARDHA ROAD NAGPUR.PIN-441114	Rural	6.75	23131

ACADEMIC INFORMATION

Details of Programs Offered by the College (Give Data for Current Academic year)						
Program Level	Name of Program/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering,	48	HSC JEE MSCET	English	60	27
UG	BE,Information Technology,	48	HSC JEE MSCET	English	30	1
UG	BE,Electronics Engineering,	48	HSC JEE MSCET	English	60	3
UG	BE,Mechanical Engineering,	48	HSC JEE MSCET	English	90	34
UG	BE,Civil Engineering,	48	HSC JEE MSCET	English	60	47
UG	BE,Electrical Engineering,	48	HSC JEE MSCET	English	90	28
UG	BE,Electronic Engineering,	48	HSC JEE MSCET	English	30	3
PG	Mtech,Computer Science And Engineering,computer science And Engineering	24	BE BTECH GATE	English	24	2
PG	Mtech,Computer Science And Engineering,software system	24	BE BTECH GATE	English	24	0
PG	Mtech,Electronics Engineering,electronic engineering	24	BE BTECH GATE	English	24	4
PG	Mtech,Mechanical Engineering,cad cam	24	BE BTECH GATE	English	24	1

PG	Mtech,Electrical Engineering,Integrated power system	24	BE BTECH GATE	English	24	2
PG	Mtech,Electrical Engineering,Power Electronics And Power System	24	BE BTECH GATE	English	24	4
PG	MBA,Master Of Business Admistration,	24	GRADUATION CAT AMMI CET	English	60	59

Position Details of Faculty & Staff in the College

Teaching Faculty

	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC / University State Government	19				39				68			
Recruited	0	0	0	0	0	0	0	0	22	16	0	38
Yet to Recruit	19				39				30			
Sanctioned by the Management/ Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff

	Male	Female	Others	Total
Sanctioned by the UGC / University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				49
Recruited	23	26	0	49
Yet to Recruit				0

Technical Staff

	Male	Female	Others	Total
Sanctioned by the UGC / University State Government				0
Recruited	0	0	0	0

Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				24
Recruited	22	2	0	24
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	0	0	2	0	0	0	0	0	6
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	2	3	0	42	44	0	91
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	28	5	0	33

Provide the Following Details of Students Enrolled in the College During the Current Academic Year						
Program		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	551	22	0	0	573
	Female	204	0	0	0	204
	Others	0	0	0	0	0
PG	Male	63	0	0	0	63
	Female	19	0	0	0	19
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years						
Category		Year 1	Year 2	Year 3	Year 4	
SC	Male	112	141	259	291	
	Female	73	75	94	102	
	Others	0	0	0	0	
ST	Male	28	25	64	50	
	Female	9	10	26	16	
	Others	0	0	0	0	
OBC	Male	293	324	408	356	
	Female	127	98	109	106	
	Others	0	0	0	0	
General	Male	130	130	165	202	
	Female	31	21	41	47	
	Others	0	0	0	0	
Others	Male	73	87	119	126	
	Female	33	26	33	24	
	Others	0	0	0	0	
Total		909	937	1318	1320	

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1. Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Answer:

- For effective delivery of the curriculum prescribed by university institute has made a plan in the form of academic calendar semester wise and distributed among the HOD's of respective departments, administrative heads, and chairman of society.
- According to academic plan Principal and all respective HOD's continuously monitor the academics and take review of effectiveness of plan.
- Students give monthly feedback of respective subjects which help to adopt any change in plan for the betterment and improvement of curriculum.
- Apart from that to improve hidden talent and skills of students institute has organised a annual gathering and technical event like Tech-yard.
- For industry exposure to the students in academic curriculum we introduce Guest lectures, industry visits and summer internship training programmes.
- According to our mission overall development of students in terms of skilled engineer and a good human being our students are promoted by taking part in social activity out of institute and in the institute.
- For improving result of weak students there is provision in our curriculum of extra and remedial classes.
- There is provision of back to back class tests to improve the result and knowledge of weak students.
- Sessional and Unit tests results are timely displayed and mark sheets are dispatched to residential address of student by post.
- As counselling is a best factor to be in touch with students emotionally and mentally, 2 hour slots of counselling session in a week is taken as a part of curriculum.
- In our curriculum we added a finishing school classes for third year student for better performance in campus drive.
- To develop entrepreneurial mind set among students resulting in employment generation in the society.
- Well-equipped laboratories of each and every department helps the students to innovate new ideas and create them in reality.
- In curriculum, project competition has been organised to enhance students talent and society can get a new exciting projects developed by students which reflect social responsibilities of the students.
- In our curriculum we have introduced a facility "Earn and Learn" which helps a poor part of society to get higher education and fulfil real mission of our institute.
- In "Earn and Learn" program students are provided with small amount of payment for 2 hours of work done in college campus after daily academic.
- For betterment of curriculum we have night classes in our college hostel by the faculty members.

1.1.2 Number of certificate/diploma program introduced during the last five years

Answer: 4

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	2	2	0

File Description	Document
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Details of the certificate/Diploma programs	View Document
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1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Answer: 0

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Answer: 87.5

1.2.1.1 How many new courses are introduced within the last five years

Answer: 7

File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Answer: 78.57

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Answer: 11

File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Answer: 0

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

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

Answer:

Cross Cutting Issues:-

In an education Institution there are challenges in relation to gender, economic, linguistic and culture diversity of students. It is responsibility of teachers and administrators to identify the challenges arising from diversity and to develop and maintain exemplary programs through different committees.

A] **GENDER:** At co-education, gender awareness and its consequences are problems in education system. To overcome these problems, various committees are formed in our institution.

1. Women redressal committee: To protect girl students from injustice made out of male dominance, and harassment, a committee is organised to report any complaint and to redress the aggrieved. Mostly committee members are female teaching and non-teaching staff. They are empowered to take any major action against the defaulter student/s.
2. Vishaka Guidelines-(Preventing Prohibition & redressal act 2013 constitution of committee) ICC: As per this act any person who makes sexual harassment of any lady at the workplace, the Internal Complaint Committee [ICC] of the institute has powers to punish the concerned person. Or the case may be handed over to the state Mahila Aayog and later to central Mahila Aayog.
3. Antiragging committee: Senior students trouble or harass junior students in the college or hostels. For the protection of these students, antiragging committee is formed by the institute that keeps watch on the students. If any undue incidence occurs, strict and quick actions are taken against such students to maintain peace, harmony and good atmosphere for studies.

B] Environment and Sustainability:-

Energy is used for lighting, heating, cooling and air conditions. It causes over production of toxic gases, chemicals and reduction in ozone concentration. It is therefore desirable to reduce energy consumption and decrease rate of depletion of world energy reserve and pollution of environment. It is achieved by following ways.

1. Natural ventilation of buildings.

2. Preservation of ecosystem by replacing conventional fuels with renewable energies that do not produce air pollution.
3. Tree plantation
4. Rain water harvesting.
5. Minimal use of water.

C] Human values and Professional Ethics :-

Human values depend on our mental, emotional, spiritual or practical requirements at different situations. Source of constructive values focuses attention on heart, mind and soul of man as expressed in feelings, thoughts and activity. These are mainly responsible for man's act of valuation. Ethics are fundamental standards of conduct by which we work as professional.

In our Institutions human values and professional ethics are operated on following grounds:-

1. Ganesh Festival and Saraswati Puja.
2. Ambedkar Jayanti Elocution competitions on moral values.
3. Musical competitions on national songs.
4. Technical activities for college students and outsiders at least one by each Department.
5. Tech-yard every year
6. Job fair is organized every year
7. Poster Competitions.
8. NSS scheme

We prohibited students from software piracy, copying during tests, copying video or CDs and Plagiarism. Students should be confident, fearless and should give respect to others.

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Answer: 25

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Answer: 25

File Description	Document
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Details of the value-added courses imparting transferable and life skills

[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Answer: 0

1.3.3.1 Number of students undertaking field projects or internships

Answer: 0

File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback received from

1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

Answer: A. Any 4 of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

Answer: B. Feedback collected, analysed and action has been taken

2. Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Answer: 0.85

2.1.1.1 Number of students from other states and countries year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
11	12	18	5	4

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrollment percentage

(Average of last five years)

Answer: 54.66

2.1.2.1 Number of students admitted year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
937	1318	1320	1191	990

2.1.2.2 Number of sanctioned seats year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2508	2388	2196	1944	1668

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Answer: 85.91

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
673	960	921	795	673

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Answer:

Several mechanism are taken by the institute for the evaluation and continuous monitoring of the students based on different grade factors. The level of students i.e, slow learner and advanced learner can be identified with the help of this system

Students are identified based on:-

- 1.Performance in class test taken in 1st 15 days. After joining
- 2.Performance in unit test 1.
- 3.Performance in MCQ test

Weightage:-

Class test-25%

Unit test score-50%

MCQ test-25%

Strategies adopted for facilitating slow learners:-

Teacher guardian allotted for each and every student. The nature of student problem is identified and assessed by the respective guardian teacher. Extra classes and Crash course are organised to clarify doubts and re-explaining of critical topics for improving entire knowledge of the subject.

Strategies adopted for facilitating Advanced learners:-

Based on the class test and interaction in the class room and laboratories, the students fundamental knowledge, concepts ,understanding . identified such quick learners have been given an opportunity for the on hand training program conducted by the institute.

Strategies adopted for student improvement:-

Appropriate counselling by the guest lecturers in order to motivate and improve the interest of the students in research and development. Workshop organised to clarify the technical concept and practical skills for improving the performance of the student. Regular seminar by the students are taken and based on their performance, all the respective teacher guardian deal with their problem in gentle manner.

In case of frequent absenteeism the parents of such students are contacted by their respective teacher guardian by personal visit , calls , sms, or by post.

Parent teacher meet are conducted after unit test and the student performance in the unit test, their class behaviour and attendance and all the issue of the student will discuss with their parents.

2.2.2 Student - Full time teacher ratio

Answer: 4.83

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Answer: 0.43

2.2.3.1 Number of differently abled students on rolls

Answer: 4

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

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

Answer:

All the academics processes to be designed and oriented towards student learning. Course objectives and course outcomes stated each and every course and communicated to the students. During the delivery of lectures teachers should take feedback from the students, On attainment of expected learning outcomes directly and through the survey it is taken in the each semester indirectly. If it is needed to improve teaching and learning process, the head of institution and head of departments take remedial actions based on the feedback. Hence learning becomes student centric.

Interactive Learning

- All faculty members are motivated to take their regular classes in interaction and end with the short quiz with the students.
- Some Activities Like Seminar, Quiz, Group Discussion and Poster Presentation are taken.
- Facility like Seminar hall is available for students to perform activities like Seminars, Guest lectures, Workshop, Tutorials and Other extracurricular activities those come under Student centric.
- For interactive learning process and also for the full coverage of syllabus extra classes are taken making sure that students involvements are compulsory.
- Personal difficulties and Doubts regarding each Subject are solved.

Collaborating Learning

- Motivating the student to present papers on innovative technologies and current trends in seminars, Workshops, Conventions and Conferences to facilitate collaborative learning.
- Motivate the students to participate or to make mini Projects in a group under the guidance of different faculty members to promote collaborative learning.
- Students are motivated to do internships and also taken for industrial visit which also promotes interactive and collaborative learning.
- Spoken English classes and their activities to improve communication skills are carried out. Students are assigned topics from one unit of the subject and asked them to prepare and give seminar on those topics.
- For the students Industrial visit and Tours are arranged regularly. For carrying out the mini and major project works, computer and laboratories are made available.

Independent Learning

- For self-learning to the students facilities like Library, Computer laboratories and internet facilities are provided to each and every students.
- To enhancing the knowledge the students are encouraged to use the library. For that the institution

provides a well-stocked library which includes all the latest books, international journals, E-books.

- Assignment, Class test are evaluated which are given to the students.
- For preparing Charts, Posters and models well facilities are provided to the students.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Answer: 26.29

2.3.2.1 Number of teachers using ICT

Answer: 51

File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Answer: 11.15

2.3.3.1 Number of mentors

Answer: 84

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning

Answer:

Innovations and Creativity in teaching – learning

1. Class room with projectors & LAN connection.
2. Entire campus of WCEM is Wi-Fi enabled which allows students to access internet.
3. Several workshops are held by professionals to apprise & train faculty members for usage of different teaching-learning apps.
4. Mentors/ tender guardian support & advice in solving academic and non-academic difficulties of students.
5. e- journals and e-books are available in library for faculty and students.
6. Simulation software such as MATLAB, ANSYS, CADENCE, COMSOL are used for teaching effectively.
7. Audio visual aids are used effectively by teachers.

8. Learning through projects (intra & inter departmental).
9. Faculty members have developed various games to conduct sessions on soft skills.
10. Students are motivated to participate in various inter collegiate project contest and aptitude tests.
11. Industrial visits are arranged regularly by Departments.
12. Technical events/workshops/ seminars are arranged by events Departments to given practical knowledge.
13. Renowned guest's professions are invited to guide students.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Answer: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Answer: 2.93

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	6	7	3	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document

2.4.3 Teaching experience per full time teacher in number of years

Answer: 2.69

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Answer: 0

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Answer: 10.72

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
11	12	17	18	14

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Answer:

The Academic Calendar serves as an information source and planning document for students, faculty, staff and departments, as well as outside organizations. The calendar includes registration dates, class start dates, add/drop deadlines, exam dates and more.

The institute follows the academic calendar and all the events and visits are organised on schedule in case of deficiency in following of academic calendar or some points cover the syllabus by following points:

- Tutorial
- Remedial Classes
- Home Assignment
- Seminars

Tutorials:

Tutorials teaching is a unique aspect of the educational experience that our institute offers students. In tutorial ;

- Students meeting individually or in very small groups, with a tutor from their discipline in college typically once a week or once a fortnight.
- Students spending time independently reading and preparing written work for the tutorial (i.e. self-directed learning).
- Students discussing their written work with the tutor, thus honing their oral communication skills and giving them an opportunity to receive constant feedback (i.e. formative assessment) from their tutors.

Remedial classes:

There are many good reasons why it is important to offer remedial classes to students.

- **Addresses Student Weaknesses**
- **Helps Non-Traditional Students**
- **Enhances Diversity**
- **Encourages Learning**

Home Assignment: The purpose of assignments is to increase the practical skills of students. Subjects like Mathematics, Physics, Chemistry and similar science subjects require practice constantly. The more you practice the better you get. Assignments help in the practice process; it's like doing the experiments to discover new possibilities. A practice also prepares students for exams and similar unseen problems that might come handy in the university exams.

Seminars: Seminars are the educational events, In which everyone have a permission to clear his/her doubt and Query; they require you to think, to practice the skills of analysis and synthesis. Seminars usually updates us with the latest trends and issues in the particular field. They also enable us to invent new products and services for good gains.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Answer:

The evaluation of the students has become internal as well as an integral parts of the teaching -learning process. The assessment of the students has taken into account a number of essential abilities such as a drive capability of hard work ,leadership and team work ,motivation,quality of imagination, institution and speculation, skill used for hands ,etc.

Teachers of various courses at evaluate the performance of their student in accordance with the objectives they had swt before themselves:

- To abolish set syllabus an external examination based on them.
- To replace them by a system of internal and ciontinious evaluation by Teachers.
- To make the examination an internal and integral part of the teaching process
- To take into account a number of essential abilities of the students.
- To allow movment of students,if necessary ,from institution to another and form one type study to another.

The student will be evaluated continuously in the form of their consistent performance throughout the semester. there is therotical as well as practical evaluation. The evaluation of therotical is schemed as 20 Marks and Practical evaluation is schemed as 25Marks for internal and for External Evaluation of practical 25 marks.

Therotical Evaluation

Sr.no.	Component	Marks per incidence	Total marks
1	Participation	05	05
2	Performance/Activities	05	05
3	Assignment	05	05
4	Attendance	05	05
		Total	20

Practical Evaluation

Sr.No.	Component	Marks per incidence	Total Marks
1	Participation	10	10
2	Performance /Activities	05	05
3	Project	05	05
4	Attendance	05	05
		Total	25

External Evaluation

University Practical examination will be for 25Marks will test the Performance activities and creative Presentations of the students with the course selected.

Sr.no.	Component	Marks per incidence	Total Marks
1	Viva/Practical	25	25
		Total	25

At the end of the course,Students will have developed the ability to enjoy,interact with and perform arts aesthetic and will have develop the abilityand creativity to transfer sense of design and innovation in science and technology.

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

Answer:

At University Level

The external examination are conducted and controlled by the university. The student provision for revolution /Scrutiny of answer scripts with respect to exams at the university level. If a student has any grievance about valuation of university exam papers they can pay prescribed fee and can apply for the revaluation of her answer script, and receive the photo copy of the answer script.

At Institution Level

The institution follows a transparent system with regard to evaluation.

- The institute regularly conduct Parents teacher meeting which provides the platform for Parent-teacher interaction and resolution of grievance.
- internal marks are displayed on the notice board at the end of each semester for verification.
- The institution has a grievance cell which provides for resolution of student grievances.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Answer:

The Academic Calendar serves as an information source and planning document for students, faculty, staff and departments, as well as outside organizations. The calendar includes registration dates, class start dates, add/drop deadlines, exam dates and more. The institute follows the academic calendar and all the events and visits are organised on schedule in case of deficiency in following of academic calendar or some points cover the syllabus by following points:-

- Tutorials
- Remedial classes
- Home Assignment.
- Industrial Visits.
- Technical activities
- Practical's.
- Two Unit tests and are per university test.

- Seminars.

Tutorials

Tutorial teaching is a unique aspect of the educational experience that our institute offers students. In tutorial ;

- Students meeting individually or in very small groups, with a tutor from their discipline in college, typically once a week or once a fortnight.
- Students spending time independently reading and preparing written work for the tutorial (i.e. self-directed learning).
- Students discussing their written work with the tutor, thus honing their oral communication skills and giving them an opportunity to receive constant feedback (i.e. formative assessment) from their tutors.

Remedial classes

there are many good reasons why it is important to offer remedial classes to students.

·Addresses Student Weakness

·Enhances Diversity

·Encourages Learning

Home Assignments

the purpose of assignments is to increase the practical skills of students. Subjects like Mathematics, Physics, Chemistry and similar science subjects require practice constantly. The more you practice the better you get. Assignments help in the practice process; it's like doing the experiments to discover new possibilities. A practice also prepares students for exams and similar unseen problems that might come handy in the university exams.

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Seminars are the educational events, In which everyone have a permission to clear his/her doubt and Query; they require you to think, to practice the skills of analysis and synthesis. Seminars usually updates us with the latest trends and issues in the particular field. They also enable us to invent new products and services for good gains.

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 on website and communicated to teachers and students

Answer:

Program outcomes, Program Specific outcomes and course outcomes for all program offered by the institution are stated in each class and all faculties well understand their respective subjects course objectives and programme objectives. This will display on the website in each branch link on website. Student will download their respective branch syllabus which contains the CO's and PO's. PO's will also displayed on the notice board of each branch. All faculties well understand their respective branch PO's and they explain the Course objectives to the students in well-mannered fashion. HOD of all branches and principal will evaluate

their completion of CO's in each semester. The program education objectives of the department include exposure to a variety of information technology domains, readiness of careers of the students for IT industries and development of problem-solving ability. To ensure meeting of the program objectives, the syllabus of each subject is designed as per the objectives of the program. For this, the department also considers the latest trends and futuristic requirements of the IT industry. The department ensures monitoring of the learning outcomes by mentoring faculty members to develop suitable evaluation strategies and to frame question papers for both, the In-Semester as well as the End-Semester examinations, as per the general quality guidelines and requirements of the college. The department also considers feedback of the employers and the alumnae to ensure meeting of learning outcomes.

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Answer:

At Institute level program outcomes, program specific outcomes and course outcomes are evaluated. This method is evaluating the attainment of CO by using student's marks, where the student marks consists of (1) Final exam (2) Tests (3) Quiz (4) Assignments (5) Projects

Computation of indirect attainment of COs may turn out to be complex the percentage weightage to indirect attainment : 10%

 The proportional weightages of Internal Exam (IE): External Exam (EE) may be 20:80.

 The number of assessment instruments used for IE is decided by experts faculties of institution.

Finally attained the course outcomes to program outcomes and improved the performance of student based on the identification of weak and bright students.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students

Answer: 83.52

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Answer: 223

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Answer: 267

File Description	Document

Institutional data in prescribed format	View Document
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2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Answer: 2.8

File Description	Document
Database of all currently enrolled students	View Document

3. Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry, corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Answer: 0

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Answer: 0.52

3.1.2.1 Number of teachers recognised as research guides

Answer: 1

File Description	Document
Institutional data in prescribed format	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Answer: 0

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Answer: 0

File Description	Document
List of research projects and funding details	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Answer:

To promote the research culture, the institute has taken the initiatives to develop the research facility in the coming five years to match the R & D facility at par with the premier institutions in the country. In this direction, the institute has developed the incubation centre, centre of excellence and is in the process of developing the advanced laboratory to provide the research facility looking into the requirement of various academic programmes. In this regard, the institute has the budgetary provision up to 5% of the income for the mentioned period. Faculty and students are encouraged for creating the IPR and the publication of technical/ research papers through various platforms. Being the private organization, the institute has their own constraints having the consultancy and therefore it is at the primitive stage. However, the institute is intended to generate revenue up to 20% of the yearly budget through consultancy and the R & D services. This is possible only by acquiring the brand through well established R & D activities, accreditation and autonomy. This will help the institute in subsidizing the education cost. At the same time it will enhance the partnership with the stakeholders. The institute is pro-active to carry out the extension programmes through the establishment of Student Extension Chapter in the current academic year. For each of the student chapter, dedicated faculty coordinators along with students organize various educational, cultural and social programmes in the adopted areas. These activities have brought fruitful engagement of the faculty, staff and students by reducing gap in the relationships of student, faculty and corporate.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Answer: 0

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Answer: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Answer: No

File Description	Document
List of Awardees and Award details	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Answer: 0

3.3.3.1 How many Ph.Ds awarded within last five years

Answer: 0

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Answer: 0

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Answer: 0.55

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
12	27	23	12	7

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Answer:

NATIONAL SERVICE SCHEME provides a platform for students through which community, society, nation can be served. For the academic session 2016 – 2017 WAINGANGA COLLEGE OF ENGINEERING AND DMANAGEMENT organised eight activities in order to help the society.

1. SWACHHA BHARAT ABHIYAN –

- Date of event – 02/10/2016
- Mission of the event – Cleaning of institution and localities
- Number of students participated – 48
- Number of hours dedicated – 4 Hrs
- Area cleaned – Wainganga College of Engineering and Management and area of Gumgaon Railway Station

1. BLOOD DONATION CAMP –

- Date of event – Every year in month of Sept -Oct
- Mission of the event – To donate the valuable blood to needy person
- Number of members donated the blood – 60-80
- Number of hours dedicated – full day
- Associated blood bank – Hedgewar Blood Bank, Red Cross, GMC Nagpur

1. NATIONAL VOTERS DAY –

- Date of event – 25th january
- Mission of the event – To spread the awareness among society to cast their valuable vote
- Number of students participated – 50-80
- Number of hours dedicated – Full day
- Area covered – From Rashtrashant Tukdoji Maharaj Krida Sankul to Deshpandey Hall via Ravi Nagar, Ramnagar.
- Mode of Publicity – Rally with banner and slogans
- Total strength – Around 5000 students from different institutions

1. SUPPORTING HANDS FOR ORPHANS

- Date of event – 11/03/2017
- Mission of the event – financial and mental support to orphans
- Number of students participated – 50 NSS members
- Orphanage Selected – SHRIMATI KAMLATAI PARANJAPE BAL SADAN, Dharampeth nagpur
- Valuables donated – 1) Money Donated – 5310 INR
- Number of hours dedicated – 5Hrs
- Number of faculties involved – 10

1. SWACCHATA PLEDGE

- Date of event – Month of August
- Name of event – SWACCHATA PAKHWADA
- Mission of the event – Pledge taken ceremony
- Chief guest – Principal,
- Number of students Participated – 65-100
- Number of hours dedicated – 2 Hrs
- Location - WCEM Nagpur

1. INSTITUTE CLEANING

- Date of event – 02/08/2017 & 05/08/2017
- Name of event – SWACCHATA PAKHWADA
- Mission of the event – Cleaning of localities and institute
- Number of students Participated – 66
- Number of hours dedicated – 4 Hrs
- Location - WCEM premises

1. DOOR TO DOOR CAMPAIGN

- Date of event – 06/08/2017 & 08/08/2017
- Name of event – SWACCHATA PAKHWADA
- Mission of the event – To spread the awareness about clean India by door to door campaign
- Number of students Participated – 65
- Number of hours dedicated – 6 Hrs
- Location – New Gumgaon and Old Gumgaon
- Number of household covered – 300

1. SWACCHATA RALLY IN VILLAGES

- Date of event – 14/08/2017
- Name of event – SWACCHATA PAKHWADA
- Mission of the event – To spread the awareness about clean India by a SWACHHATA RALLY
- Number of students Participated – 67
- Number of hours dedicated – 5 Hrs
- Location – New Gumgaon and Old Gumgaon

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Answer: 0

3.4.2.1 Total number of awards and recognition received for extension activities from Government / recognised bodies year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Answer: 14

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	3	2	3

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Answer: 21.2

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
214	800	90	60	105

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Answer: 27

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	5	5	5

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Answer: 27

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
7	5	5	5	5

File Description	Document
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Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years

[View Document](#)

4. Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Answer:

With the growth of the institution, it is imperative to develop the infrastructure. It is not only important to build new infrastructure it is also essential to maintain, renovate and augment the existing ones. Any new construction has to be according to the overall plan of the institute. The Plan is in consonance with the vision of the institute. Large construction works have been completed in the last five to seven years. It includes the following facilities: Class rooms and tutorial rooms are well furnished, laboratories are well equipped with advance techniques, seminar halls are with LCD projectors and sound systems, library is with automation softwares and internet facilities, workshops are with all machines.

All administrative and amenities infrastructures are provided as per AICTE and Maharashtra Govt. norms.

Complex Infrastructural Facilities for teaching-learning are as follows:-

Sr.no	Particulars	Number	Area in Sq/m
1	Class rooms	38	2570
2	Tutorial rooms	17	562
3	Laboratories	76	5092
4	Research Lab	6	396
5	Centralized computer center	1	150
6	Workshops	4	800
7	Seminar Hall	6	792
8	Drawing hall	1	150
09	Library & Reading room	3	487
10	Amphitheatre	1	484
11	Technology enabled learning space	Labs have LCD	With internet facility.
12	Computing equipments	452	

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

Answer:

Adequate facilities for indoor and outdoor games, such as basketball, badminton, football, cricket, volleyball have been arranged within the Institute campus for the students. It is our constant endeavour to see the students grow intellectually and physically. The Institute supports and encourages students to participate in district, state and national level competitions in sports and extra-curricular activities.

Peace is a virtue, a state of mind, a disposition for benevolence, confidence, courage, justice, and practice. Peace lies in a pure state of mind and sound physical health. These can only be attained through physical exercise, yoga and meditation.

Institution has adequate open space with basket ball, volley ball, football, hockey, cricket, badminton, single bar, kabaddi, double bar, roman ring facilities. Interdisciplinary chess, carrom, badminton facilities are also provided.

Training of yoga is given weekly to students cultural activities:- College has committee for cultural activities. They organize annual cultural function regularly. Various activities as singing, dancing, drama, competitions and other stage performances take place. Winners are gifted with prizes at the end.

Painting, poster competitions, photography, rangoli exhibition occurs college has auditions for cultural activities and language lab for communication skill development.

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

Answer: 30.43

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 14

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Answer: 99.94

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
732	689	604	415	412

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

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

Answer:**About the Library**

Libraries are the storehouse of knowledge as they maintain the books and other knowledge resources available mostly in the printed form. However, with the advent of digital technology and internet connectivity, the library scenario is changing fast. Digital technology, internet connectivity and physical content is dovetailed and resulted in digital library.

Since inception of WCEM in 2008 our Library is establish. Today the Library 1200 member.

The WCEM Library is college combine building. The collection of book & journal has been methodically developed through the year.

It is always ensure that the collection is dynamic in nature by stacking separately active & inactive collection in tune with change in syllabi.

The library & information center is semi- automated & user Sack-Info 2.5 ERP Software.

Student & faculty access library information through online Public Access catalogue indexed database. On campus wide Network of 10mbps line.

1. **CDs** : 631
2. **E-Journals** : 621
3. **E-Books** : 5353

Library Services

- **OPAC** : Online Public Access Catalogue is available for searching.
- **Reading Hall Facility**: Institution subscribes four national English newspapers along with local newspapers which are kept in the Reading Hall for the use of students.
- **Photocopy Service**: Photocopying facility for the students is also available in the library on nominal charges.
- News paper Clipping
- Internet Facility –To access the E-resources, Internet facility is provided.

SR.NO.	SOFTWARE DETAIL	
1.	NAME OF SOFTWARE	SACK-INFO ERP Software
2.	NATURE OF AUTOMATION	SEMI-AUTOMATION
3.	VERSION	2.5

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment**Answer:**

The library ensures the purchases of number of books, current titles, e-journals etc as per AICTE norms and University curriculum The requirements obtained from the departments are summarized verified by the librarian and put for the approval to the head of the institute. The head of the institute after verification recommended the management for approval. After approval the purchases are made. Use of the purchased

materials is as follows.

1. The subject faculty refers the students to the library for referring suggested materials.
2. The users sumoto come to the library for referring the materials.
3. The rare books, Reports, manuscripts are uploaded in given format.

File Description	Document
Any additional information	View Document

4.2.3 Does the institution have the following:

1. *e-journals*
2. *e-ShodhSindhu*
3. *Shodhganga Membership*
4. *e-books*
5. *Databases*

Answer: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Answer: 3.22

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2.11	3.04	4.93	4.19	1.84

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Answer: No

File Description	Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Answer: 35.37

4.2.6.1 Average number of teachers and students using library per day over last one year

Answer: 400

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Answer:

Server's	intel@xeon@cpuE3-1225 8RAM 1TB harddisk
Dual Core Make by dell	2 GB RAM , 260 GB HDD
computer	Intel core-i3 1.61GH 4GB Ram 500 Hod
computer	Intel core-i3 1.41GH 4GB Ram 500 Hod
computer	Intel Pentium 1.86 GHz , 248 MB RAM
computer	INTEL dual core 1.41GHZ 2gb ram 160gm hod
Lap Tops	Intel core-i3 1.70GH 4GB Ram 500 Hod
RAD	Item 22
Router	Ethernet Broad Band Router/CICO
Central Switch	(NetGear , Dlink) 24 port - 10/100/1000 Base
Xerox Machine	IN no 2
Printers	1.DMP :2. DeskJet 03 3. Laser Jet 20
Air conditioner's	in on 5
LCD Projector	6
Wireless Access Point	No.04
Biometric Machine	1
CCTV Camera	9

Wireless Access Point Configuration

PROSAFE® 802.11G WIRELESS ACCESS POINT WG103

Intelligent Networking Features for a Scalable, Secure Solution High-speed IEEE 802.11g, up to 108 Mbps in turbo mode Comprehensive SNMP functionality for advanced network management

Physical Specifications

Dimensions: 158 x 101 x 29mm (6.22 x 3.97 x 1.14 in)

Weight: 402.5 g (0.88 lb) Processor and Memory Atheros®, 8 MB flash, 32 MB SDRAM

Wireless

IEEE 802.11g 54 Mbps Wireless Access Point/

Antenna: 5 dBi, 2.4 GHz detachable

Typical maximum transmit output power (varies based on country and/or region selection to ensure local regulatory compliance): 20 dBm

Advanced Wireless Features

WDS point-to-point wireless bridge mode WDS point-to-multipoint wireless bridge mode WDS repeater mode Adjustable wireless output power

Network Management

Remote configuration and management through Web browser, or SNMP (v1, v2c)

Physical Interfaces

One (1) 10/100BASE-T Ethernet (RJ-45) port with Auto UplinkT (Auto MDI-X) with IEEE 802.3af 3; Power over Ethernet (PoE) support One (1) reverse SMA antenna connector

Lighted Status LEDs

Power, test, LAN, and WLAN 802.11g

Security

40-bit (also called 64-bit), 128-bit, Wired Equivalent Privacy (WEP) Encryption, WiFi Protected Access Pre-shared Key (WPA-PSK, WPA2-PSK) Rogue AP detection IEEE 802.1x authentication

MAC address filtering 8 BSSID

Kensington Lock slot for physical security Secure SSL browser connection Number of VLANs: 9

Power

Power adapter: 12V DC, 1.0 A; plug is localized to country of sale PoE power consumption: 5W

Package Contents

ProSafe® 802.11g Wireless Access Point (WG103) One (1) 5 dBi detachable antenna Resource CD Power adapter Ethernet cable Installation guide

4.3.2 Student - Computer ratio

Answer: 2.27

File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

Answer: 5-20 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Answer: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Answer: 7.37

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
33	32	52	39	40

File Description	Document

Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
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4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Answer:

Every Department has class rooms and laboratory as per AICTE norms. Time table are planned by department for utilisation 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 utilised for conducting Guest lectures, training, conferences and workshops. students are encouraged for active participation in paper presentation and Group Discussion.

Workshop is utilised 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, aptitude test, project development and competition 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 carrom, chess

5.Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Answer: 81.32

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
786	1112	1071	938	775

File Description	Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Answer: 0

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab

6. Bridge courses**7. Yoga and meditation****8. Personal Counselling****Answer:** C. Any 5 of the above

File Description	Document
Details of capability enhancement and development schemes	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years**Answer:** 7.29

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
163	36	59	29	93

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Answer:** 6.27

5.1.5.1 Number of students attending VET year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
74	87	75	63	58

File Description	Document
Details of the students benefited by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**Answer:** Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Answer: 28.83

5.2.1.1 Number of outgoing students placed year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
163	36	59	29	93

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Answer: 3.11

5.2.2.1 Number of outgoing students progressing to higher education

Answer: 8

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Answer: 0

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
5	5	3	3	4

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

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) during the last five years.

Answer: 0

5.3.1.1 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-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Answer:

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	Sr. No.	Name of the committee
1	Library	7	Health and public awareness
2	Hostel committee	8	Magazine committee
3	Discipline committee	9	student grievance cell
4	Anti-raging	10	Alumni cell
5	sports club	11	Adhigamyaa committee
6	National Service Scheme	12	Techyard committee

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Answer: 2

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Answer:

Every year institute organize Alumni meet for pass out students for every branch. Alumni interact with all the staff and HOD of respective department and give them an information and guidance about latest trends and practices in the industry in which they work, so the institute made the significant improvement in the institute and infrastructure of institution.

Contribution of alumni development of institution:-

- Alumni interact with the final year students for guide them in preparing for campus interview in core companies regarding there placement.
- Alumni arrange visit to the industry where they employed.
- Alumnae are invited for taking a guest lectures and also as the resource person for workshop and training on recent trends and innovation in engineering field.

- Alumni share his professional experience and work ethics, learning experience with the students for their overall growth.
- Alumni guide and support the students in their on field projects and their mini projects.
- Alumni help the students to identify the industries for students to undergo in field training.
- Alumnae actively participate in judges in various technical and non-technical competition organized by institution in each year.
- Alumni, who have passed out of the institution and are placed in companies, guide and help their immediate juniors to undergo the recruitment process with confidence.
- Feedback on program outcomes to enhance teaching learning process of the institution.

Alumni feedback

The training and placement cell in co-ordination with faculties in charge of each department has been collecting feedback from alumni. The department created group Email ids in which faculties have joined as members. This arrangement facilitates regular interaction with the alumni and helps the department to understand their performance and obtain necessary feedback at each aspect. On the basis of alumni feedback necessary action is taken for betterment of institution and quality of technical education.

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Answer: <1 Lakh

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Answer: 0

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document

6.Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Answer:

Governance body is very reflective and the focus is given on the vision and mission of the

institute.

VISION -

Dissemination of knowledge by offering best quality world class education for re-engineering of regional, social and economic system in light of dynamic global environment and contribution to national wealth through innovations.

MISSION-

To promote competitive merit and excellence as the sole guiding criteria in overall development of students for producing skilled engineers ,managers, researchers, entrepreneurs and responsible citizens while adding value to industry and society in general.

Objectives of the institute are

- To deliver the curriculum prescribed by university in the best manner.
- To provide excellent academic ambience to the students and to identify and take care of the performance of every students.
- To promote co-curricular and extra-curricular activities for overall development of students.
- To develop knowledgeable and responsible citizens for participating in nation building activities.
- To strive for continuous improvement in all institutional endeavours.
- To develop entrepreneurial mind set among students resulting in employment generation in the society.

Governing body creates, designs and executes Short-term plan, Long-term plans including departmental plans. Every year this process is conducted in the institution and long term plan of future prospective is on. The policies and planning are carried out according to consultation with stake holders. Top management with the help of the department wise committees formulates quality policy and integrates the same in the strategic plan.

Formation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education. Creating robust principles, frameworks, systems and processes the institution intends to reinforce the culture of excellence. All the systems work together as a team aiming for good organizational change. The Departments fosters a healthy atmosphere among themselves and each one tries to accomplish excellence in their work and standards. Decision making will be made by Governing body and principal, HODs and Committee in-charges. Teachers have involvement and participation in academic administration, Institutional development and student development initiatives.

6.1.2 The institution practices decentralization and participative management

Answer:

The institute believes in promoting a culture of decentralization. The management gives equal opportunity to the principal, all the HOD, teaching and non-teaching staff, to give their opinion and suggestion for the improvement of the institution. The suggestions are duly acknowledge and received well by top management the principal has sufficient freedom to take measures to fulfil the vision and mission of the institution. The head of the department has the authority to decide activities and delegating the responsibilities among the staff members of the department. Time table subject allocation, teaching load, purchase and maintenance of equipment, departmental accessories and consumable etc. are decided on departmental level. The suggestion

and opinion of staff members are considered. In order to achieve the vision and mission the head of department and staff members conduct time to time necessary Industrial visit in-plant training MOU's Organizing guest lectures and workshops. The principal conducts regular meeting with the teaching and non-teaching staff. The departmental meeting are conducted by Head of Department focusing on improvement of academics Co-curricular and Extra curriculum activities. With prior permission from the principal individual department conducts workshops and planning of training programs. Decentralization at the same time serves as a measure improving the efficiency of education system and quality of education services the college also promotes participative management of the students and staff and implementing there opinion and suggestion for the development of institution. Before the decision is taken the HOD and the faculty meeting will be held and the views of Head Of Department are received by the principal and then accomplished by the top management.

The college promotes students participation in sports at institute level, university level, district level, state level. Which in terns result in overall physical and mental growth of the student.

The college organises health check-up camps blood donation camp and free helth seminars in order to improve health of student and staff.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Answer:

1. Teaching and learning process:

The college in builds discipline and regulation among the students in maintaining the schedule of the class. All the staff members strictly follow the Academic plan prepared before the commencement of the session.

Academic Plan:-

The principal notified the academic calendar at the beginning of the session. The academic Calendar includes the schedule for the commencement of the classes internal test college events guest lectures seminar workshops Practical exam Pre-university test. The academic calendar strictly followed for 2nd year to final year and it is prepared slightly different for 1st year.

Teaching and Evaluation Plan:-

At the beginning of each semester, the faculty members prepared their respective subject plan and strictly follow it through the semester the syllabus is made available to the student at the college website for their ready reference. To maintain transparency checked answer sheet of internal test are shown to the students. The final marks of internal test are then sent to the examination controller of university. Teaching plan ensures control on total syllabus and its completion in the given time. The HOD reviews syllabus coverage in departmental academic committee meeting.

Methods of learning experiences provided to the student:-

In most theoretical topics, Lectures are explained using black boards and white boards. Apart from theory lectures on board, faculty members also adopt various innovative teaching methods such as video lectures, power presentations etc. Every department is equipped with computers and projector to help student gain access to innovative learning.

LCD Projectors also forms a medium to impart instruction. Students are motivated to participate in seminars held once in a week. Seminars /Workshops on recent development are organised frequently in the department in order to improve the soft skills and knowledge of the students.

Facilities available:

Faculty members regularly refer to the learning materials followed by national and international reputed.

*Digital library facilities are also utilised.

*Regular access to e-journals and e-books also enhances the research methodologies.

* Internet facilities through Wi-Fi and also conventional methods.

*Soft wares for applications and instructional facilities in the respective computer labs of every department.

2. Research ,Innovations and Extension:

The institute encourages the faculty members to pursue doctoral and post doctoral work published in the peer review.

Human resource planning and development:-

Faculty development programme are organized every semester by inviting experts from industries and Ramdeobaba college of engineering.

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Answer:

Reviews are conducted by the Principal once in a month to maintain quality in Academics, Administration and in infrastructure development. The Principal reviews the performance of Departments every month and gives feedback to the Secretary and Chairman as well as to the Departmental Heads about the Departments for improving the quality of teaching/research. The HoDs review the coordinator on daily basis to see that the work is performed well, so the teaching & learning and associated works are carried out with good quality. Administrative setup with every employee has clear in its functions work. The work procedure is defined, Recruitment is done through proper channel by giving Advertise in Newspaper and Expert are called from Outside and based on the merits Selection is done. Appraisal system is well defined which helps in making promotions and Separate grievance redressal cell take care of the grievance if any.

File Description	Document
Any additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development

2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Answer: A. All 5 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Answer:

List of Committees

S.No Committee Composition

1. College Academic Committee {Principal, Dean, Librarian, AO, Academic In charge}
2. Student Counseling / Grievances Redressal Committee {Principal, All HODs, One Faculty Member}
3. Purchase/Stores {All HODs, Asst. Registrar, One Faculty Member}
4. Public Relations, Press & Media, Publication Committee {One Faculty Member from each branch, Two students}
5. R&D Consultancy {One faculty member from each branch, two students}
6. Internal Training (Managerial/ Soft / Communications skills,etc) {One faculty member from each branch, two students}
7. Career Guidance, Training & Placements Cell {Placement officer, One faculty member from each branch, two students}
8. Hostel Committee {One faculty member from each branch,two students}
9. Canteen Committee /House- Keeping/Hygiene/Sanitation {One faculty member from each branch, two students}
10. NSS Committee {One faculty member from each branch, two students}
11. Social Welfare (BC/SC/ST) {One faculty member from each branch, Admin. Assistant, two students}
12. Sports & Games {One faculty member from each branch, two students}
13. Transport Committee {One faculty member from each branch, two students}
14. Cultural committee {One faculty member from each branch, two students}
15. General Maintenance {Committee One faculty member from each branch, AO, Supervisor, two students}

16. Examinations/Time- Table/Admissions {One faculty member from each branch}
17. Library Librarian,{ One faculty member from each branch, two students}
18. Industry Institute Partnership Cell {One faculty member from each branch, two students}
19. Entrepreneurship Development Cell {One faculty member from each branch, two students}
20. Website/ICT/Internet Committee {One faculty member from each branch, two students}
21. Alumni Coordination Committee {One faculty member from each branch, two students}
22. Internal Quality Assurance Cell {Principal and one faculty member from each department, two eminent persons from industry. One governing body member}.
23. Women welfare /Sexual harassment eradication cell {One faculty member from each branch, two students}
24. Electrical/Computer Network Maintenance committee {Four technical staff}
25. Faculty/Staff Grievance {Principal, Faculty members}

It also has Women's Cell / Sexual Harassment Cell to address the issues of girl students. Student's Representative Council (SRC) CR meeting with Heads and Principal. A committee is constituted which includes subject teacher, subject experts and head of department. This committee looks after the grievances of the students regarding evaluation. Students can approach Principal if their grievances are unresolved. Open house is arranged for resolving any type of grievances / complaints. Other grievances are resolved through Parent-Teacher meetings. complaint box is also kept for police station.

6.3 Faculty Empowerment Strategies

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

Answer:

The following are the service benefits and welfare measures extended to the staff of the Institute:

- canteen in the campus,
- In the event of death of an staff in service, an ex-gratia amount is granted to the dependants of the employee, funeral expenses, under Chairman's power.
- Educational loan for higher studies in deserving candidates.
- Vehicle loan Grant of Rs.10,000/- for marriage for the Administrative Staff, Maintenance, Housekeeping staff and drivers.
- No Interest on advances during emergency.

Free admission for child of employee

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Answer: 0

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

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Answer: 2

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Answer: 0

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document

Details of teachers attending professional development programs during the last five years	View Document
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6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Answer:

It shall be the Wainganga college of engineering and management ,Nagpur to provide a performance appraisal program for its non-teaching staff.

ADMINISTRATIVE PROCEDURES: 1. Performance appraisals will be conducted according to the procedure set out in the “Performance Appraisal Plan”.

2. Performance appraisals will be carried out by the immediate supervisor at least twice during the probationary period, as specified by the appropriate collective agreement/conditions of employment. The final evaluation will take place at least one month prior to the end of this period. 3. Performance appraisals for permanent employees will be carried out by the immediate supervisor at least once every three (3) years.

4. Performance appraisals will be reported on the “Performance Appraisal - NonTeaching Staff” form.

5. Performance appraisals will include a meeting to discuss the employee’s performance. The employee will be advised of the date and time of this meeting at least five (5) working days prior to the meeting date.

6. At the beginning of the evaluation period, the employee will be provided with a copy of the "Performance Appraisal Plan", a blank copy of the “Performance Appraisal - NonTeaching Staff” form, a copy of the job description and a copy of the objectives jointly set for the evaluation period.

7. The employee will sign the “Performance Appraisal - Non-Teaching Staff” form as evidence of having read it and discussed it with the immediate supervisor. The employee will have an opportunity to provide comments on the form.

8. Performance appraisal reports will be prepared in triplicate: one copy for the employee, one copy for the immediate supervisor and the original to be sent to Human Resources via the appropriate supervisory officer (in a sealed envelope marked 'confidential') for the employee's official file.

9. Human Resources, in consultation with the appropriate supervisory officer, will maintain an annual record of evaluations.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Answer:

College has a mechanism for internal and external audit for finance.

The audit is done regularly and discrepancies are reported. An internal auditor audits accounts on half yearly.

The

internal audit covers examination of revenues and payments. The external auditor conducts statutory audit at the end of financial year.

The same are monitored in the Finance committee meetings

Accounts of the institute are audited regularly. There were no major audit objections

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Answer: 0

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Answer:

The Chairman and Principal of the College ensures that expenses are incurred for the purpose of implementing institutional plans. For any requirement for equipment or other major items, requisition is submitted to purchase committee which is headed by the Principal and HOD,s. Quotations are then invited from various suppliers. Their quotations are evaluated, comparative statement is prepared, suppliers are called for personal discussion and after comparing all aspects from various suppliers, orders are placed. This ensures that right equipment is purchased at most competitive price. Further, accounts of the institution are subject to regular audit(Yearly). Also, budget is prepared at the beginning of the year and actual expenses incurred during the year are compared with budget and any major variation is discussed by the Chairman and principal with concerned person

6.5 Internal Quality Assurance System

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

Answer:

WCEM has set up a Quality Management System under the aegis of WCEM –Internal Quality Assurance Cell (WCEM – IQAC) for education and research. WCEM is one of the early educational institutes to be certified by ISO in the year 2008, and it is a pioneer in setting International Quality Standards in education and management studies.

Some of the quality initiatives by the institutions are highlighted below:

It has created a Repository of Academic Resources for innovative teaching methods and research contributions in the field of Science, Engineering, Technology and Management.

Improvement of credibility and image: This initiative has established premier

position among all the stakeholders of the society. The college is now the first choice for all aspiring students and a quality resource bank for Employers.

Improvement of customer satisfaction

– One of the quality management principles of the IQAC is to improve customer satisfaction by planning and striving to meet customer requirements. WCEM has always striven for improving customer satisfaction.

Better process integration

– WCEM has achieved overall process interactions through the process approach of IQAC. This initiative has resulted in improvements in efficiency and effectiveness of academic delivery system.

Improved evidence based decision making

– A management principle of quality assurance of IQAC is the need to use evidence-based decision making. WCEM has inculcated this culture among all internal stakeholders.

Created a continual improvement culture

– Continual improvement is another management principle of quality assurance of IQAC. WCEM has adopted and integrated this culture to every quality system in the organization for improving processes and organizational output.

Engagement of employees

– WCEM Employees are involved in the improvements of the processes they work with, and they are happier and more engaged employees.

Committee members(IQAC):-

Chair person	Dr. Bharat Chede (Principal)
Coordinator	Dr. Shrikant Nimkar (HOD first year)
Member	Mr.Alok Ranjan(HOD Electrical)
Member	Mr.Nirwan (HOD, Mechanical)
Member	Mr.Kelkar (HOD, CSE)
Member	Mrs.Joshi (Prof., EN & ETC)

File Description	Document
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Any additional information

[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Answer:

INTERNAL EVALUATION SYSTEM TO MAKE EXAMINATIONS AN INTEGRAL PART OF TEACHING-LEARNING PROCESS

Some of the major problems relating to our examination system are:

1. Passing examination has become more important than acquiring any education;
2. External examinations encourage selective study because of stereotyped questions;
3. The marks obtained in examinations are not a reliable and valid measure of a student's performance

The Objectives: To allow teachers of various courses to evaluate the performance of their students in accordance with the objectives they had set before themselves; To abolish set syllabi and external examinations based on them;

1. To replace them by a system of internal and continuous evaluation by teachers;
2. To make the examination an internal and integral part of the teaching process;

The performance of a student who has registered on any academic programme is evaluated internally on a continuous basis by the concerned course instructor. The distribution of weightages to various forms of assessment including the semester-end examinations is decided by teacher.

The grades from A+ to F to be awarded in the relative grading system, is to be decided by the course instructor(s).

Grade Grade Points Description of performance

A+ 10 Outstanding

A 09 Excellent

B+ 08 Very Good

B 07 Good

C+ 06 Average

C 05 Below Average

D 04 Marginal

E 02 Poor

F 00 Very Poor

Procedures of Evaluation and Guidelines for Faculty

For evaluating a student's performance the instructor of a course will apportion marks to the mid-term test, semester-end examination and at least one more test of the following kinds: written test, home assignments,

periodical quizzes, laboratory work, term paper, seminar or any other assignment that the instructor considers necessary for assessing the student's performance. The distribution of weightage, to the various components of assessment will be decided by the course instructor and will be announced in the class within the first fortnight of the semester. The record of such distribution for each course will be maintained by the Head of the concerned department.

IMPACT

Continuous assessment being an important component of semester system, it encourages the students to work systematically throughout the course.

1. There is increased self reliance on the part of the students in respect of schedule, evaluation and performance improvement.
2. Abilities that are not tested otherwise could be tested by this system.
3. Students have the opportunity to discuss their answers through all accepted tools of internal evaluation. This adds to reliability and also transparency of the system.
4. There is increased rapport and relationship between the teachers and the taught.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Answer: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements*
2. *Academic Administrative Audit (AAA) and initiation of follow up action*
3. *Participation in NIRF*
4. *ISO Certification*
5. *NBA or any other quality audit*

Answer: E. None of the above

File Description	Document
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Details of Quality assurance initiatives of the institution	View Document
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6.5.5 Incremental improvements made during the preceding five years (in case of first cycle)

Post accreditation quality initiatives (second and subsequent cycles)

Answer:

The Emphasis is given on incremental academic growth of students from weaker acadmic back ground was carried out by IQAC.

Also, administrative section of the college keeps a track and maintains all the relevant records of the students admitted from the weaker acadmic back ground of society at entry level and their subsequent progression to higher classes. Subsequently theAcadmic section share the data from adminstrative section and try to uplift the acadmic performance of the students. Special Care is taken of for the students for there incremental improvement in acadmic as well as Moral Ethics.The IQAC of the college has conducted study on the incremental academic growth of all the students on the basis of their performance in examinations and performance in aptitude test.

7.Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Answer: 4

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	1	1	1

File Description	Document
List of gender equity promotion programs organized by the institution	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security

2. Counselling

3. Common Room

Answer:

Students' economic and social realities are very different across the globe, and there can be noticeable differences in enrolment figures according to gender in almost all countries, including India. In India 39.9% of female students goes for higher education since all higher education institutes should have to maintain environment liable to the female student. Female students have their major issues like:-

- **Safety & Security**
- **Common Room**
- **Counselling**

1. Safety & Security: - Security of female staff is the first priority of the institute. For that CCTV surveillance in campus and out of campus which are continuously monitor by higher authorities like principal and administrative officer. Information obtained from CCTV monitoring will be used exclusively for security and law enforcement purposes. Information obtained from CCTV monitoring will only be released when authorized by both the Director of Security and Campus Safety and the Dean of Students or the President of the College.

2. Common room:-

Girl's Common Room is private area and important part of the institute in which includes following facility.

First Aid Supplies: - If any female student needs first aid kit we will be radially provide it.

Safety box facility for female:-

Lockers for their luggage:-

3. Counselling:- Female Redressal Cell is actively work in campus

and monitor the any problem related with female students. Female Redressal Cell works only under the supervision of senior female staff member accompany with girls students as committee member. Committee under goes the counselling session to solve various issue regarding health, safety, sexual harassment cases if any. All the branches have their activity slots in time table for doing this kind of counselling session. In each and every 15 days Hingana police station will come and get the feedbacks from female students regarding their issue in campus and girls hostel.

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Answer: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Answer: 0

7.1.3.2 Total annual power requirement (in KWH)

Answer: 79008

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Answer: 14.42

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Answer: 21.24

7.1.4.2 Annual lighting power requirement (in KWH)

Answer: 147.27

File Description	Document

Details of lighting power requirements met through LED bulbs	View Document
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7.1.5 Waste Management steps including:

- ***Solid waste management***
- ***Liquid waste management***
- ***E-waste management***

Answer:

Solid waste generated in college premises are disposed in biodegradable (Garden waste and kitchen waste from canteen) in manure for garden use

Except chemistry laboratory no laboratory generates chemicals as waste. This waste generation is controlled by proper selection of practicals prescribed by University curriculum. Along with this students are instructed to avoid wastage of chemicals in the laboratory even though the wastage is of non hazardous type.

Generated E Waste(C.D.'s, C.P.U.'s Monitors, Cables, Cartridges, Hard Disks etc) is collected and stored carefully before it is handed over to E waste recycling agency.

Emission of carbon and other major green house gases in campus is due to generators, machines, transportation (exhaust gases of bus and other vehicles), heating (chemistry lab) etc. Carbon emission is one of the major environmental factors which harm environment by its various phenomenons like global warming and climatic changes. It becomes prime concern for the institute.

7.1.6 Rain water harvesting structures and utilization in the campus**Answer:**

In the most basic form of this technology, rainwater is collected in simple vessels at the edge of the roof. Variations on this basic approach include collection of rainwater in gutters which drain to the collection vessel through down-pipes constructed for this purpose, and/or the diversion of rainwater from the gutters to containers for settling particulates before being conveyed to the storage container for the domestic use.

The building in the campus is having the facility to collect the water and send the same to the main sump. The terrace of the college building collect water, which is channelled through pipes to pre-defined storage destinations. Recharging of the campus water is done which is beneficial to the nearby locality.

7.1.7 Green Practices

- ***Students, staff using***
 - a) ***Bicycles***
 - b) ***Public Transport***
 - c) ***Pedestrian friendly roads***

- *Plastic-free campus*
- *Paperless office*
- *Green landscaping with trees and plants*

Answer:

The institute has maintained a good lush green cover in the campus. Gardening is taken care by effective management of soil, pesticides, water sprinklers etc. Every year, budget is sanctioned for garden upgradation and maintenance.

Most of the students and staff live in the radius of 2 kilometers from the college in hostels or at the residences nearby. They use the pedestral road or use bicycles for coming to college.

Students are encouraged to use green practices such as bicycles. Students use public transport system, i.e. City Buses and State transport buses. College bus is also provided to students free of cost. We are on the verge of plastic free campus, by avoiding the plastic bags to be used by staff or students. Most of the transtions, correpondances, file maintanence, record maintance , fees receipt collection, and other are carried out through online system, emails and other provisions made through computers. It mostly reduces use of paper in office system.

The institute is very proud of its green cover in campus. The staff and management take effective steps to make campus green and beautiful. Three big lawns, with Various medicinal plants, flowering plants and surrounded by ornamental plants are palms. Hedge plant differentiate all playground, tanks, parking areas and other. Students made the big Fountain which brings pleaseue in mind. This gives a very beautiful view of the campus.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Answer: 0.1

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
0.62	0.51	0.52	0.63	0.48

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

- 1. Physical facilities*
- 2. Provision for lift*

3. *Ramp / Rails*
4. *Braille Software/facilities*
5. *Rest Rooms*
6. *Scribes for examination*
7. *Special skill development for differently abled students*
8. *Any other similar facility (Specify)*

Answer: E. None of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Answer: 9

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	1	2

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Answer: 7

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	1	2	1

File Description	Document
Details of initiatives taken to engage with local community during the last five years	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Answer: No

File Description	Document
Any additional information	View Document

7.1.13 Display of core values in the institution and on its website

Answer: No

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Answer: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Answer: No

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Answer: Yes

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Answer: 15

File Description	Document
List of activities conducted for promotion of universal values	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Answer:

- **INDEPENDENCE DAY CELEBRATION (15th August):** The celebration is carried with flag hosting & also provide batches to the members of student form association of various departments.
- **TEACHER'S DAY CELEBRATION (05th September):** On this day, college students organise function for the teachers of the institution. The senior students also teach to their juniors in respective departments.
- **ENGINEER'S DAY CELEBRATION (15th September):** The Engineering Colleges across India celebrates Engineers Day on 15 September every year as a remarkable tribute to the greatest Indian Engineer **Bharat Ratna M. Visvesvarayya**.

On this day, the students of the college organise various technical and non-technical events such as Technical Quiz, Technical Treasure Hunt, Poster competition & Project competition.

- **MAHATMA GANDHI JANYATI (02nd October):** Students celebrate this day by conducting various cultural programs regarding his bio graphy & various programs in departments to promote his ideas.
- **REPUBLIC DAY CELEBRATION (26th January):** On this day National Flag is hoisted in the college campus and accepted the salute and guard of honour by the massive march past by the students.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Answer:

The institution operates with honesty in its financial, academic, personnel, and auxiliary functions, it establishes and follows policies and processes for fair behaviour on the part of its governing bodies, administration, students & faculty members. The institution presents itself clearly and completely to its students by fee receipt & faculties by salary slip.

The governing bodies provide consultation on academic and administrative matters that have legal implications, and handle the administrative parts involving the university matters. The governing bodies of the institution have the right to make decisions in the best interest of the institution, students & faculties.

The institution provides effective oversight and support services to ensure the integrity of research and scholarship practice conducted by its faculty members and students. Students are guided in the ethical use of information resources. The institution has enforces policies on academic integrity.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Answer:

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 programmes (FDP).
- Institute has been allowing faculty members to attend any STTP and FDP programmes organised 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 of 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 programmes 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 in 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 organise a national and international conference at institute level to promote PG students.
- Institute has organised 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.
- Organised 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 recognised project could not be handling yet.
- Big research instruments are not available so trying to apply for research project.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Answer:

The institute has well defined perspective plans involving focusing areas, action plan to achieve the goals & measures to verify their achievements. According to vision-mission of the institution, the institution provides 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 supporting environment. It is a learning experience, as student get to chance to work in labs of our respective fields. They get to learn practically about hardware and software while installations, maintenance, repairing of the various equipments, which is a the best opportunity to learn new things in short duration.

Student has exemptions during exams, as they are allowed to study during job hours. This is a support provided by the authorities of the college. This method actually 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 total ten students (04 boys and 06 girls) participated in this scheme, they works in varies places like 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.

Extended Profile

Program

Number of courses offered by the institution across all programs during the last five years

Answer: 8

Number of self-financed Programs offered by college

Answer: 3

Number of new programmes introduced in the college during the last five years**Answer:** 01**Students*****Number of students year-wise during the last five years*****Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
937	1318	1320	1191	988

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
786	1112	1071	938	775

Number of outgoing / final year students year-wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
257	274	281	314	249

Total number of outgoing / final year students**Answer:** 1375**Teachers*****Number of teachers year-wise during the last five years*****Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
194	170	160	115	96

Number of full time teachers year-wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
194	170	160	115	96

Number of sanctioned posts year-wise during the last five years**Answer:**

2016-17	2015-16	2014-15	2013-14	2012-13
194	170	160	115	96

Total experience of full-time teachers

Answer: 521

Number of teachers recognized as guides during the last five years

Answer: 1

Number of full time teachers worked in the institution during the last 5 years

Answer: 10

Institution

Total number of classrooms and seminar halls

Answer: 46

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

Answer:

2016-17	2015-16	2014-15	2013-14	2012-13
733	690	604	415	412

Number of computers

Answer: 412

Unit cost of education including the salary component(INR in Lakhs)

Answer: 1.13

Unit cost of education excluding the salary component(INR in Lakhs)

Answer: 0.78

Conclusion

Additional Information :

With efforts made by Staff & Students in Accrediation process. Our institute vision is to provide quality & value based education.

Concluding Remarks:

Our institute promotes external quality and value based education. Institute's vision is to make accredit institutions of higher education. Through the policy accepting NAAC our institute desires to provide quality

education, including establishment the improved quality , efforts have been taken in accreditation process which helps in providing value based education

EXCLUDED METRICES

List of Excluded Metrics

1 Curricular Aspects : Weightage (100)

1.1 Curricular Planning and Implementation : Weightage (20)

Ref No	Details of Metric	weightage	Metric Performance
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	5	0

1.3 Curriculum Enrichment : Weightage (30)

Ref No	Details of Metric	weightage	Metric Performance
1.3.3	Percentage of students undertaking field projects / internships (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	5	0

3 Research, Innovations and Extension : Weightage (120)

3.1 Resource Mobilization for Research : Weightage (10)

Ref No	Details of Metric	weightage	Metric Performance
3.1.1	Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution	3	0

	during the last five years (INR in Lakhs) (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)		
3.1.2	Percentage of teachers recognised as research guides at present (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	3	0.52
3.1.3	Number of research projects per teacher funded, by government and non-government agencies, during the last five year (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	4	0

3.4 Extension Activities : Weightage (60)

Ref No	Details of Metric	weightage	Metric Performance
3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	5	0

5 Student Support and Progression : Weightage (130)

5.1 Student Support : Weightage (50)

Ref No	Details of Metric	weightage	Metric Performance
5.1.2	Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	12	0

6 Governance, Leadership and Management : Weightage (100)

6.3 Faculty Empowerment Strategies : Weightage (30)

Ref No	Details of Metric	weightage	Metric Performance
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6.3.2	Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years (Metric Type : Derived , Question Type : QN , Evaluation : By DVV , Nature : Value)	6	0
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ANNEXURE

1.Metrics Level Deviations

Metric ID Sub Questions and Answers before and after DVV Verification

Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

1.2.3

1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

Remark : Corrected as per revised input of HEI

Percentage of students undertaking field projects / internships

1.3.3

1.3.3.1. Number of students undertaking field projects or internships

Answer before DVV Verification : 0

Answer after DVV Verification: 0

Remark : Corrected as per HEI revised input

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

2.3.2

2.3.2.1. Number of teachers using ICT

Answer before DVV Verification : 51

Answer after DVV Verification: 51

Remark : Link to the ICT facility not provide

Ratio of students to mentor for academic and stress related issues

2.3.3

2.3.3.1. Number of mentors

Answer before DVV Verification : 84

Answer after DVV Verification: 84

Remark : List of mentor mentee or copy of any circular not provided

2.4.4

Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level

from Government recognised bodies year-wise during the last five years

Remark : copy of award letter not uploaded

Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Remark : e-copies of linkage not provided

Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Remark : Budget allocation statement is for 2018-19.

Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership

4.2.3

4. e-books

5. Databases

Answer before DVV Verification : A. Any 4 of the above

Answer After DVV Verification: B. Any 3 of the above

Remark : Corrected as per revised HEI input

Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Remark : The uploaded statemetn of account does not match with the input.

Availability of remote access to e-resources of the library

4.2.5

Answer before DVV Verification : Yes

Answer After DVV Verification: No

Remark : Link not provided

4.4.1

Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

Remark : Expenditure not highlighted

Number of capability enhancement and development schemes –

- 5.1.3
1. For competitive examinations
 2. Career counselling
 3. Soft skill development
 4. Remedial coaching
 5. Language lab
 6. Bridge courses
 7. Yoga and meditation
 8. Personal Counselling

Answer before DVV Verification : B. Any 6 of the above

Answer After DVV Verification: C. Any 5 of the above

Remark : Corrected s per HEI attachement

The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

5.1.6

Answer before DVV Verification : Yes

Answer After DVV Verification: Yes

Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/ State government examinations)

5.2.3

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

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years

Remark : Corrected as per HEI input

Number of Alumni Association / Chapters meetings held during the last five years

5.4.3

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Remark : No supporting document is attached

6.3.4

Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz.,

Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Remark : Revise as per HEI clarification

Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action

6.5.4

3. Participation in NIRF

4. ISO Certification

5. NBA or any other quality audit

Answer before DVV Verification : B. Any 3 of the above

Answer After DVV Verification: E. None of the above

Remark : No supporting document for the 3 initiatives uploaded

Number of gender equity promotion programs organized by the institution during the last five years

7.1.1

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Remark : supporting photograph not relevant to the metric

Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

7.1.9

Answer before DVV Verification : C. At least 4 of the above

Answer After DVV Verification: E. None of the above

Remark : College link does not show any resoruces

7.1.11

Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years
Remark : same pictures repeated without relevance

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

7.1.12

Answer before DVV Verification : Yes
Answer After DVV Verification: No
Remark : attached input not relevant. link of core value not mentioned in college website
Display of core values in the institution and on its website

7.1.13

Answer before DVV Verification : Yes
Answer After DVV Verification: No
Remark : Supporting document not relevant
The institution offers a course on Human Values and professional ethics

7.1.15

Answer before DVV Verification : Yes
Answer After DVV Verification: No
Remark : Document not authorised

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations