SELF STUDY REPORT

For

Institutional Assessment & Accreditation

Submitted to

National Assessment and Accreditation Council

(NAAC)

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions,

College of Engineering and Management

Pote Estate, Kathora Road, Amravati.

Phone No.: 0721-2530342, 2530344, 2530089, 3294384, Fax No.: 0721-2530341

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March 2017

ABBREVIATIONS

AICTE	All India Council for Technical Education
BE	Bachelor of Engineering
BoS/ BOS	Board of Studies
CAP	Centralized Admission Process
CAT	Common Admission Test
CMPS	Computer Science & Engineering
DRDO	Defense Research & Development Organization
DST	Department of Science & Technology
EDC	Entrepreneurship Development Cell
EE	Electrical Engineering
ERP	Enterprise Resource Planning
ExTc/EXTC	Electronics & Telecommunication Engineering
FDP	Faculty Development Program
GATE	Graduate Aptitude Test in Engineering
GB	Governing Body
GRE	Graduate Record Examination
HoD/HOD	Head of the Department
ICT	Information and Communication Technology
IE	Institute of Engineers
IEEE	Institute of Electrical and Electronics Engineers
IETE	Institute of Electronics and telecommunication Engineers
III	Industry Institute Interaction
IPR	Intellectual Property Rights
IQAS	Internal Quality Assurance Service
ISO	International Organization for Standardization
ISR	Institutional Social Responsibility
ISSN	International Standard Serial Number
ISTE	Indian Society for Technical Education
LEC	Local Enquiry Committee
LMC	Local Managing Committee

LOI	Letter of Intent
ME	Master of Engineering
MECH	Mechanical Engineering
MODROBS	Modernization and Removal of Obsolescence
MOU	Memorandum of Understanding
MSEDCL	Maharashtra State Electricity Distribution Company Limited
NBA	National Board of Accreditation
NCC	National Cadet corps
NPTEL	National Programme for Technology Enhanced Learning
NSS	National Service Scheme
NT	Nomadic Tribes
OBC	Other Backward Class
OPAC	Online Public Access Catalog
PEO	Programme Education objectives
PG	Postgraduate
Ph.D	Doctor of Philosophy
PLC	Programmable Logic Control
PO	Programme Outcome
PUC	Pollution Under Control
QIP	Quality Improvement Program
RPS	Research Promotion Scheme
SBC	Special Backward Class
SC	Scheduled Caste
SNIP	Source Normalized Impact per Paper
SPEED	Student Platform for Engineering Education Development
ST	Scheduled Tribes
STTP	Short Term Training Programme
TOEFL	Test of English as a Foreign Language
TPO	Training and Placement Office
UG	Undergraduate
UGC	University Grants Commission
UTLP	Unified Training & Learning Platform

CONTENTS

Covering letter from Principal:

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati

(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
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Ref.: PRPCEM/NAAC/1493-A/2016-17   Date: 27/03/2017

To,

The Director,

National Assessment and Accreditation Council,

Bangalore, India.

Subject: Submission of **Self Study Report** (SSR) of **P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engineering and Management, Amravati.**

Respected Sir,

We are pleased to submit the **Self Study Report (SSR),** of our Institute to the National Assessment and Accreditation Council, Bangalore. The SSR has been Prepared in accordance with the guidelines described by NAAC.

Sr. No.	Particulars	
01	Name of Institute	P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engineering and Management, Amravati
02	Name of Principal	Dr. S. D. Wakde
03	Email ID	principal@prpcem.org
		viceprincipal@prpcem.org
		rahulghongade@rediffmail.com
04	Web site	www.prpcem.org

This is for your information and necessary action.

Thanking you.

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

www.prpcem.org

PREFACE

It gives me immense pleasure to present the Self- Study Report (SSR) of **P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions, College of Engineering and Management, Amravati** to the National Assessment & Accreditation Council (NAAC), Bangalore for assessment and accreditation. The report has been prepared with utmost care and as per the guidelines given by NAAC. The report comprises three sections: Section I - Profile of the Affiliated College, Section II – Criteria wise Inputs, Section III- Evaluative report of the Departments.

P. R. Pote (Patil) College of Engineering and Management, established in 2009 is affiliated to Sant Gadge Baba Amravati University (SGBAU), Amravati. From the inception, the Institute has grown leaps and bounds to reach the present state of education colossal. The institute offers five undergraduate and sixpost graduate courses, which are affiliated to SGBAU, Amravati. The institute is ISO 9001:2008 certified.

We are committed to impart quality-engineering education and create opportunities for students to become able engineers and technocrats. This accreditation process will provide us an opportunity to know our strengths and weaknesses and to implement the suggestions given by the peerteam.

We the stakeholders – the munificent management, proficient and Compassionate faculty, enthusiastic students, accommodating parents, supportive society look forward for this quality exercise. I take this opportunity to thank all my staff, faculty for their unconditional and untiring efforts and our Management for their wholehearted support for this endeavor.

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Dr. Mrs. S. D. Wakde
Principal

</div>

Executive Summary:

P. R. Pote (Patil) Educational & Welfare Trust's Group of Institution, College of Engineering & Management, Amravati was established in year 2009 with a vision "To flourish as a centre of excellence for producing the skilled technocrats and committed human beings". The Institute is approved by AICTE, New Delhi and affiliated to Sant Gadge Baba Amravati University, Amravati (M.S.). The Institute offers UG programmes (Bachelor of Engineering) in Electronics & Telecommunication Engineering, Computer Science & Engineering, Mechanical Engineering, Electrical Engineering & Civil Engineering. PG programmes (Master of Engineering) areoffered in Electronics & Telecommunication Engineering, Computer Science & Engineering, Thermal Engineering and Electrical Power System. The Institute is ISO9001:2008 certified. The institute stands with spacious buildings and with the best academic environment along with well-equipped laboratories andclassrooms. The Institute continuously strives for increasing the research potential of the faculty & students and imparts latest knowledge in technological field.

SWOC Analysis:

Strengths:

- Premier higher education Institute, in the field of Engineering and Management, offering variety of UG and PG programmes.

- Qualified, Experienced, Dynamic, Proficient and Dedicated faculty with an attitude to excel in the profession.

- State-of-art infrastructure, ergonomically designed classrooms, well equipped laboratories, enriched library, ICT facilities to cater the needs of students, faculty and society.

- An ISO 9001:2008 Certified Institute.

- Innovation and Entrepreneurship Development Centre (IEDC) sponsored by DST (Govt. of India, New Delhi) inspiring students to become entrepreneurs, and make them realize the need of national development. Research grants from IEDC are reinforcing the research culture in the institute.

- Rendering maximum support to students for training in communication skills, aptitude & logical aspects and interview skills for boosting employability.

- Focus on co-curricular, extra-curricular and extension activities leading to holistic development of the students.

- Well established Industry-Institute Interaction cell, Training & Placement Cell.

- Excellent Campus Placement.

- Personal counseling of each student by faculty and regular meetings with parents.

- Spiritual, pleasant and intellectually stimulating environment of campus.

Weakness:

Based on the analysis of feedback from stakeholders, following weaknesses are identified.

- Located in industrially under developed region of Maharashtra.

- Filing IPRs need to be improved.

Opportunities:

- Augmenting collaborations with institutions and organizations of national and international repute.

- Collaborative research work with industries.

- Institute has young and dynamic faculties having good potential to excel in the academics and Research activities.

Challenges:

Based on the trend in current engineering scenario, following challenges have been identified.

- To meet the aspirations of stakeholders and potential employers due to thegap in conventional university curriculum and growing industrial needs.

- Competition posed by increased number of new and upcoming unaided institutes in the region.

1. Profile of the Affiliated / Constituent College

1. Name and address of the college:

Name:	P. R. Pote (Patil) Educational & Welfare Trust's Group of Institutions, College of Engineering & Management, Amravati				
Address:	Kathora Road, Amravati				
City :	Amravati	Pin:	444602	State:	Maharashtra
Website:	http://www.prpcem.org				

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. S. D. Wakde	0721-2530342, 2530344, 2530089	9404109465	0721-2530341	principal@prpcem.org
Vice-Principal	Prof. M. Zuhair		9823962311		viceprincipal@prpcem.org
Steering Committee Coordinator	Prof. R. D. Ghongade		9766314042		rahulghongade@rediffmail.com
Co-coordinator	Prof. P. N. Pusdekar		9970625506		extc.prashantpudekar@prpcem.org

3. Status of the Institution:

Affiliated College   :   ✓

Constituent College   :

Any Other (Specify)   :

4. Type of Institution:

a) By Gender

For Men

For Women

Co-education   ✓

b) By Shift

Regular	✓
Day	
Evening	

5. It is a recognized minority institution.

Yes	
No	✓

6. Sources of funding:

Government	
Grant-in-aid	
Self-financing	✓
Any other	

7.   **a. Date of establishment of the college: 2009**

(Please refer **Annexure I**-**First time Approval of AICTE**)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

Sant Gadge Baba Amravati University, Amravati.

c. Details of UGC recognition: NA

Under Section	**Date, Month and Year** **(dd – mm - yyyy)**	**Remarks** **(If any)**
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d. Details of recognition/ approval by statutory/ regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ Clause	Recognition/Approval details Institution/Department	Day,Month andYear (dd-mm-yyyy)	Validity	Remarks
F.No. Western/ 1-2809730158/ 2016/EOA	B. E. (Computer Science & Engineering)	05/04/2016	Yearly Approval	
	B. E. (Electronics & Telecommunication Engineering)			
	B. E. (Electrical Engineering)			
	B. E. (Mechanical Engineering)			
	M. B. A.			
	M. C. A			
	M. E. (Thermal Engineering)			
	M. E. (Electrical Power System)			
	M. E. (Electronics & Telecommunication) Second Shift			
	M. E. (Computer Science & Engineering) Second Shift			
	B. E. (Civil Engineering)			
	B. E. (Electrical Engineering) Second shift			

(Enclose the recognition/approval letter)

(Please refer Annexure II-**Extension of Approval 2016-17**)

8. **Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

         Yes [   ]   No [✓]

     If yes, has the College applied for availing the autonomous status?

         Yes [   ]   No [✓]

9.   Is the college recognized?

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐   No ☑

If yes, date of recognition: …………………… (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☐   No ☑

If yes, Name of the agency …………………… and

Date of recognition: …………………… (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	30352
Built up area in sq. mts	17807.8

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11.   Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the Institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities: **YES**
- Sports facilities :
  - Play ground   ☑
  - Swimming pool   ☐
  - Gymnasium   ☐

  (Grant of Rs. 90 lakhs for Indoor stadium has been sanctioned by Govt. of Maharashtra vide letter no. CSM/MA/2016-17/217/KA9/dated 30-03-2017)

- **Hostel**
  - ➤ **Boys' hostel : Yes** ☐   **No** ☑
    i. Number of hostels: 00

    ii. Number of inmates: 00

    iii. Facilities (mention available facilities): Nil

Girls' hostel: Yes ☑   **No** ☐

i. Number of hostels: 01

ii. Number of inmates: 150

iii. Facilities (mention available facilities): Lodging, Boarding, Recreation, Internet facility, TV room, etc.

➤ Working women's hostel:**NO**

i. Number of inmates

ii. Facilities (mention available facilities)

- Residential facilities for teaching and non-teaching staff: **NO**

(give numbers available — cadre wise)

- Cafeteria — **YES**

- Health centre – First aid, Inpatient, Outpatient, Emergency care facility, Ambulance: **YES**

Health centre staff –

Qualified Doctor: Full time ☐   Part-time ☑

Qualified Nurse: Full time ☐   Part-time ☑

- Facilities like banking, post office, book shops :   **YES**

- Transport facilities to cater to the needs of students and staff: **YES (Free of Cost)**

- Animal house: **N.A.**

- Biological waste disposal: **N.A.**

- Generator or other facility for management/regulation of electricity and voltage : **YES**

- Solid waste management facility: **N. A.**

- Waste water management: **NO**

- Water harvesting: **NO**

12. Details of programmes offered by the college (Give data for current academic year)

Sr. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned/ approved Student Strength	No. of students admitted
1	Under Graduate (B.E.)	Computer Science and Engineering	4 years	12th Std./ MSBTE Diploma or Equivalent	English	120	107
2		Mechanical Engineering	4 years	12th Std./ MSBTE Diploma or Equivalent	English	120	122
3		Electronics and Tele-Communication Engineering	4 years	12th Std./ MSBTE Diploma or Equivalent	English	60	26
4		Electrical Engineering (First Shift)	4 years	12th Std./ MSBTE Diploma or Equivalent	English	60	60
		Electrical Engineering (Second Shift)	4 years	12th Std./ MSBTE Diploma or Equivalent	English	60	54
5		Civil Engineering	4 years	12th Std./ MSBTE Diploma or Equivalent	English	60	62
6	Post Graduate (M.E.)	Computer Science and Engineering	2 years	B.E./ B. Tech of Appropriate Discipline	English	30	06
7		Thermal Engineering	2 years	B.E./ B. Tech of Appropriate Discipline	English	24	04
8		Electronics and Tele-Communication Engineering	2 years	B.E./ B. Tech of Appropriate Discipline	English	30	02
9		Electrical Power System	2 years	B.E./ B. Tech of Appropriate Discipline	English	24	06
10	Post Graduate	M. B. A	2 years	Any Graduate	English	60	56
11		M. C. A	3 years	BCA, B.Sc. (Computer Sc.), B. E. (CSE)	English	60	29

13.   **Does the college offer self-financed Programmes ?**

Yes   ✓   No ☐

       If yes, how many?   All

14.   **New programmes introduced in the college during the last five years if any?**

Yes	✓	No		Number	**07**

15.   **List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)**

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Faculty of Engineering and Technology	Engineering	Yes	Yes	No
		Computer Science and Engineering	Computer Science and Engineering	
		Mechanical Engineering	Thermal Engineering	
		Electronics & Tele-Communication Engineering	Electronics & Tele-Communication Engineering	
		Electrical Engineering	Electrical Power Systems	
		Civil Engineering	--	
Faculty of Management	M. B. A.	--	Yes	
Faculty of Computer Application	M. C. A.	--	Yes	

16.   **Number of Programmes offered under** (Programme means a degree course like BA, B. Sc, MA, M. Com.)

a. Annual system | 00 |

b. Semester system | 11 |

c. Trimester system | 00 |

17. Number of Programmes with

a. Choice Based Credit System | |

b. Inter/Multidisciplinary Approach | |

c. Any other (specify and provide details) | ✓ |

*Credit Grade System in semester pattern.

Marking System as per S.G.B. Amravati University, Amravati.

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes | | No | ✓ |

19. Does the college offer UG or PG programme in Physical Education?

Yes | | No | ✓ |

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University /State Government *Recruited*	00	01	04	01	49	22	12	00	12	00
	As per advertisement									
Sanctioned by the Management/ society or other authorized bodies *Recruited*	01	00	01	00	56	32	46	06	26	02
Yet to recruit	00		00		00		00		00	

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	01	02	01	02	02	08
M.Phil.	-	-	-	-	02	02	04
PG	-	-	02	-	45	18	65
Temporary teachers							
Ph.D.	01	-	-	-	02	01	03
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	55	31	86
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

(Please refer Annexure III -**Approval of Principal and Faculties**)

22. Number of Visiting Faculty/ Guest Faculty engaged with the College.   00

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2013-14		2014-15		2015-16		2016-17	
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**	**Female**
SC	116	106	174	143	177	137	206	156
ST	23	14	37	16	22	12	24	11
OBC	526	387	627	443	706	485	786	507
General	231	168	248	156	242	132	238	118
Others	76	38	126	65	155	88	184	102
Total	972	713	1212	823	1302	856	1438	894

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	633	103	--	--	736
Students from other states of India	--	--	--	--	--
NRI students	--	--	--	--	--
Foreign students	--	--	--	--	--
Total	633	103	--	--	736

25.   Dropout rate in UG and PG (average of the last two batches):

UG: 00%   PG: 4.16%

26.   Unit Cost of Education *(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)*

(a) **Including the salary component Rs.**   61,874/-

(b) **Excluding the salary component Rs.**   22,603/-

27. **Does the college offer any programme/s in distance education mode (DEP)?**

       Yes ☐   **No** ☑

If yes,

a) is it a registered centre for offering distance education programmes of another University

       Yes ☐   No ☐

b) Name of the University, which has granted such registration.

       Yes ☐   No ☐

c) Number of programmes offered ☐

d) Programmes carry the recognition of the Distance Education Council.

       Yes ☐   No ☑

28. **Provide Teacher-student ratio for each of the programme/course offered**

Teacher-student ratio: 1: 15

Sr. No.	Programme Level	Name of the Programme/ Course	Teacher Student ratio
1	Graduate	Computer Science and Engineering	1:15
		Mechanical Engineering	1:15
		Electronics & Tele-Communication Engineering	1:15
		Electrical Engineering	1:15
		Civil Engineering	1:15
2	Post-Graduate	Computer Science and Engineering	1:12
		Mechanical Engineering	1:12
		Electronics & Telecommunication Engineering	1:12
		Electrical Power Systems	1:12
		MBA	1:15
		MCA	1:15

29.   Is the college applying for Accreditation?

Cycle 1 | ✓ | Cycle 2 | | Cycle 3 | | Cycle 4 | |

Re-Assessment: | |

30.   Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 andre-assessment only) : NA

31.   Number of working days during the last academic year. – 258

32.   Number of teaching days during the last academic year – 146

(Teaching days means days on which lectures were engaged excluding the examination days)

33.   Date of establishment of Internal Quality Assurance Cell (IQAC): March 2015

34.   Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC: NA

35.   Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

- The Institute is the first preferred choice of students in the region.
- Institute Top Management comprises leading educationalists.
- Consistently getting good rank in SGB Amravati University Merit Scholarship under rural category.
- The Institute has won prizes in SGB Amravati University intercollegiate competitions during 2012-13.

CRITERION- I

CURRICULAR ASPECTS

Curriculum Planning and Implementation

1.1.2 **State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.**

Ans: -

Vision: -

To flourish as a centre of excellence for producing the skilled technocrats and committed human beings.

Mission: -

- To create conducive environment for teaching & learning.
- To impart quality education through demanding academic programs.
- To enhance career opportunities by exposure to Industries & recent technologies.
- To develop professionals with strong ethics and human values for the betterment of society.

Objectives of the institution

- To introduce effective and efficient teaching and learning practices.
- To provide a platform to students for learning through latest resources.
- To strengthen Industry-Institute interaction.
- To develop students intellectually and morally for nation building.
- To develop students to become the good entrepreneur.

Communication Methods adopted:

- Displaying the contents on notice boards placed at vantage locations.
- Circulating related notices among staff members and students.
- Regularly publishing in the Institute Prospectus, Institute Magazine, Department Newsletters, Academic Diary, and other Institute publications.
- Displaying during college co-curricular and extra-curricular events.
- Displaying on the Institute Website.

1.1.2 **How does the Institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

Ans: Proper implementation of the curriculum is accomplished with effective methodology and methods as follows-

1) For facilitating proper and advance preparation of subjects' contents by the teachers, the allotment of the subjects to respective teachers is being made well in advance before start of actual session. Subjects are allotted to the teachers as per their area of specialization.

2) The academic calendar is displayed well beforehand on the notice board and circulating among the staff.

3) Monitoring and continuous observation of teaching in the classes by the HOD as per the teaching plan prepared & submitted by the teaching staff of the respective department.

4) Class coordinator is appointed for each class to monitor the regularity of classes with due observation of students attendance as well.

5) Every faculty member is assigned a group of about twenty students for counseling every year. The counselor conducts meeting with students of their group and record their suggestions, requirements, and difficulties to take necessary actions related to curriculum implementation.

6) Continuous monitoring of students' attendance and stern warning is given to the defaulters.

7) Parents are informed regarding student's attendance along with the performance report of unit test and other examinations, and record of the same is maintained.

8) Efforts are taken for the development of academic performance of students and the record of the same maintained by the designated class coordinators.

9) Management of the institute holds meeting with heads of the department and all teaching staff at regular intervals to see the academic progress of students.

The above-mentioned teaching-learning process helps students to study the curriculum effectively along with additional inputs relevant to industry for technical skill development. Students are made to experience academic rigor by exposure to "drill problems" and opportunity to exhibit innovative ideas associated with the course undertaken.

1.1.3   What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Ans:

For proper conduction of academic activities and teaching practices, the university and institute provide various inputs and data support:

1) University provides a branch wise scheme of exam and syllabus for each semester, indicating properly about the marking scheme as well as grant of credits.

2) Recommended text books and reference books are also mentioned in the syllabus.

3) For improvement of teaching skills of teaching staff, the institute organizes induction training.

4) For updating the knowledge, the teaching staffs are allowed to attend refresher courses, other technical courses.

5) All required books are made available in the institute's library. The faculty members can come up with a list of books needed to be purchased in case of unavailability. NPTEL study material is made available to the teachers.

6) Promotion of Industrial as well as technical/ site visits & research organization for Knowledge development.

7) Provision of modern teaching aids such as Multimedia Projectors, Digital Boards with software and Video lectures for conducting classes more effectively.

8) Encouragement for obtaining memberships of professional & technical bodies and associations like ISTE, IEEE, IETE and CSI.

9) Encouragement of faculty for publication of papers in reputed journals.

10) Encouragement of students for preparation of mini projects along with participation of teaching faculty.

1.1.4   Specify the initiatives taken up or contribution made by the Institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

Ans:

The initiatives taken by the Institute for effective curriculum delivery and transaction on the University curriculum are indicated below:

1) Institute encourages the faculty members to attend seminars and workshops that focus on the effective delivery of the curriculum.
2) Provision of Language lab for improving communication skills.
3) Facilitating Net access in the campus for preparation of course material in a proper and effective way.
4) Providing supplementary reading materials like magazines and journals are available in the library.
5) Organizing Guest/ Expert lectures, seminars and Workshops for the academic advancement of the students and faculty members.

1.1.5 How does the Institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

Ans.:

The Board of Studies comprises University Teachers, Eminent teachers of other universities and the representatives from Industry. Affiliated college faculties are members of Board of Studies of Sant Gadge Baba Amravati University, Amravati. These members meet periodically as per university norms in a year to identify the need of updating of current Curriculum and the need of introducing new subjects. The opinions of the experienced teachers are also taken into consideration through Board of Studies members. Curriculum development/ restructuring workshops are also held periodically to incorporate major changes in syllabus.

Eminent personalities such as scientists, industrialist, and entrepreneurs have visited College and interacted with faculty members and the students.

Every year faculty members & students visited Industries in India as well as foreign. Regular interaction with industry enables the teachers in effective implementation of the curriculum. Visit to research laboratories also helps in improving R & D culture in the institute.

1.1.6 What are the contributions of the Institution and/ or its staff members to the development of the curriculum by the University? (Number of staff members/ departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

Ans:

Following teachers are actively involved in curriculum development workshops and have given suggestions as per the feedback received from stakeholders.

Name of faculty	Curriculum Revision Workshop	Subject
Dr. S. D. Wakde	Member of B.O.S. of SGBAU.	Applied sciences and humanities
Dr. S. B. Warkad	Workshop on " Curriculum Review" at Ramdeobaba Kamala Nehru College of Engineering & Management, Nagpur	Electrical Engineering
Prof. R. D. Ghongade	Workshop on "Curriculum Review" organized by Jawaharlal Darda Institute of	Electronics & Telecommunication

	Technology, Yavatmal on 27th June 2014.	Engg.
	One day Workshop on " Scheme updation of the programmes in Board of Studies (Electronics Engg.)" organized by Department of Electronics and Telecommunication, SSGMC, Shegaon on 30th Dec. 2015	Electronics & Telecommunication Engg.
Prof. G. D. Dalvi	Workshop on " Curriculum Review" organized by Jawaharlal Darda Institute of Technology, Yavatmal on 27th June 2014.	Electronics & Telecommunication Engg.
	One day Workshop on " Scheme updation of the programmes in Board of Studies (Elctronics Engg.)" organized by Department of Electronics and Telecommunication, SSGMC, Shegaon on 30th Dec. 2015	Electronics & Telecommunication Engg.
	One day workshop on "Syllabus finalization of the program in Board of Studies (Electronics Engg.)" on 13th August 2016 at Mauli College of Engg, Shegaon.	Electronics & Telecommunication Engg.
Prof. P. N. Pusdekar	One day Workshop on " Scheme updation of the programs in Board of Studies (Electronics Engg.)" organized by Department of Electronics and Telecommunication, SSGMC, Shegaon on 30th Dec. 2015	Electronics & Telecommunication Engg.
Prof. S. P. Bhonge	One day workshop on "Scheme Updation and Syllabus Restructuring of the Programs in Board of Studies (Electronics Engg.) SGB Amravati University" on 28th April 2016 at PRMIT & R, Amravati.	Electronics & Telecommunication Engg.
Prof. P. N. Pusdekar	One day workshop on "Scheme Updation and Syllabus Restructuring of the Programs in Board of Studies (Electronics Engg.) SGB Amravati University" on 28th April 2016 at PRMIT & R, Amravati.	Electronics & Telecommunication Engg.
Prof. A. U. Trivedi	One day workshop on "Syllabus finalization of the program in Board of Studies (Electronics Engg.)" on 13th August 2016 at Mauli College og Engg, Shegaon.	Electronics & Telecommunication Engg.

1.1.7   Does the Institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If, yes, give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.

Ans:

Institute offers many value added courses apart from courses in the curriculum of the University.

During last 4 years, Institute conducts many long term and short-term skill development, value addition and enrichment programs append in section 1.2.5. These value added enrichment program are continuous process which institute organizes every year.

1.1.8   How does Institution analyze/ ensure that the stated objectives of curriculum are achieved in the course of implementation?

Ans:

For proper implementation of curriculum, our institute is taking following effective steps and thereby tries to ensure achievement of objectives of curriculum.

1) Assessment of the level of understanding of the students is done by conducting unit tests and class tests on each unit. The results are analyzed by the respective faculty members and remedies are suggested for their improvement.

2) University examination results are analyzed subject wise, in order to monitor the performance of students as well as teaching techniques of respective faculty member.

3) Overview of the proposed teaching plan and its implementation is taken.

4) Extra care is taken for academically weak students by extra classes for some subjects.

5) Upon analysis of feedback from students, the subjects requiring extra attention is identified and for the improvements and corrective measures are taken.

6) Each and Every practical is evaluated after completion of experiment. At the end of semester, internal oral examinations are conducted.

1.2   Academic Flexibility

1.2.1   Specifying the goals and objectives give details of the certificate/ diploma/ skill development courses etc., offered by the institution.

Ans:

The goal of the Institution is to produce technically competent and confident engineers. To achieve this,

1) Extra coaching and workshops are regularly arranged.

2) Emphasis is given on personality development, communication skills development of students. Various measures are also taken to inculcate ethical values, CV preparation and Interview techniques.

3) As per the industry requirements for different programmes, various certificate courses and skill development courses are arranged.

4) All these steps and efforts taken by the institute to help the students in preparing themselves for the professional requirements and to present themselves more confidently.

1.2.2   Does the Institution offer programmes that facilitate twinning /dual degree? If, yes, give details.

Ans: No

1.2.3   Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core / Elective options offered by the University and those adopted by the college.**

- **Choice Based Credit System and range of subject options.**

- **Courses offered in modular form.**

- **Lateral and vertical mobility within and across programmes and courses.**

- **Enrichment courses.**

Ans: The academic flexibility that exists at the Institute and offered by the Sant GadgeBaba Amravati University is in the following form:

- Institute offers core electives as per the university curriculum for all the branches. Students can select the elective of their choice.

- Institute also offers electives across the discipline/programs for enrichment of knowledge across the branch of study in the form of free electives at fifth and sixth semester level.

- Institute has flexibility in choosing the experiments from the assigned list of experiments provided by University. Institute conducts experiments over and above the specified experiments.

- As per the university rules, there is no provision for credit accumulation and transfer.

- Regarding the mobility of student vertically and laterally, the rules of the university are followed.

Summary of Elective Subjects offered:

Sr. No.	Programme	Semester	Number of Subjects
01	B. E. Mechanical Engineering	**V, VI , VII, VIII**	**06**
02	B.E Electrical Engineering	**V, VI , VII, VIII**	**04**
03	B. E. Computer Science & Engineering	**V, VI , VII, VIII**	**04**
04	B. E. Electronics &Telecommunication	**V, VI , VII, VIII**	**04**
05	M. E. Computer Science & Engineering	**II**	**01**
06	M. E. Electronics & Telecommunication	**I, II**	**02**
07	M. E. Thermal Engineering	**I, II**	**02**
08	Master in Computer Application	**VI, V**	**02**

(Please refer annexure IV)

Summary of Direct Second Year Admitted students:

Sr. No.	Academic Year	Number of Direct Second Year Admissions
01	2012-13	80
02	2013-14	85
03	2014-15	198
04	2015-16	237
05	2016-17	202

Summary of students who availed Change of Branch facility

Sr. No.	Academic Year	Number of Students availed the Change of Branch Facility
01	2012-13	18
02	2013-14	21
03	2014-15	23
04	2015-16	19
05	2016-17	20

1.2.4 **Does the Institution offer self-financed programmes? If "yes" list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

Ans:

Yes, all Programs are self-financed as the Institute is under the category of an unaided institute. Norms of AICTE, Delhi, DTE, Mumbai and S G B Amravati University, Amravati are followed.

1.2.5 **Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such program and the beneficiaries.**

Ans: College has organized the following programmes which enhances the skills of the students as well as the faculty:

- Soft skill development

- Aptitude skill development program

- C , C++, JAVA programming

- MATLAB training

- Embedded System, Arduino, Raspberry Pi Workshop

- PLC, SCADA automation

- Auto CAD training

- Personality development

- Communication skill development

- Faculty development programs

- IEDC cell to develop students to become the good entrepreneur.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/ combination of their choice"? If 'yes', how does the Institution take advantage of such provision for the benefit of students?

Ans: S. G. B. Amravati University, Amravati does not have any such provision.

1.3 Curriculum Enrichment

1.3.1 **Describe the efforts made by the Institution to supplement the University's Curriculum to ensure that the academic programs and Institutions goals and objectives are integrated?**

Ans: In order to meet the institutions goal and objectives, number of programs are organized to supplement the university curriculum. They are as follows:

Co-curricular activities like Paper Presentation Competition, Technical Project Competition, and quiz competitions organized for students. Guest lectures are organized for students to cover the content beyond syllabus. Students are encouraged for Industrial visits and internship programs. Technical Skill development and soft skills development programs are organized by the Institute. Selection of project topics at P.G. and U.G. is done based on recent technical research papers and it is approved by the experts committee.

1.3.2 **What are the efforts made by the Institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

Ans:

Efforts are made by the institute to supplement the University's Curriculum and ensure that the academic programmes and Institution's goals and objectives are integrated.

- We are strictly bound to follow the syllabus suggested by Sant Gadgebaba Amravati University. Furthermore, institute arranges special aptitude classes for the Third & final year students to make them employable.

- Personality development classes & soft skills development classes are also arranged for the students to evoke a unique personality from them and to improve their speaking skill, smartness, gestures behaviors etc.

- The training and placement cell of the institute communicates with the HRs of the reputed organizations to collect the updated information about the recent market

trends and corporate expectations so that students can be molded according to the need.

- Alumni feedback is taken periodically to understand the recent market trend. .

- Guest lecturers of experts from industries are organized for sharing knowledge on specific domains.

1.3.3 **Enumerate the efforts made by the Institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., in to the curriculum?**

Ans:

The efforts made by institute regarding various issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc. are as follows:

- Gender Equality is one of the key issues in today's world. Equal opportunity is given to the girls along with the boys in various committees. The Programs like women empowerment, celebration of women day are organized at the Institute level.

- Our Institution has a Women's Grievance Cell to handle the sensitive issues regarding the Women's right and security. The Cell was formed through selection among all senior lady faculties of each department.

- Anti Ragging committee is also effectively working in the Institute. The Institute has formed anti-ragging committee comprising mixed gender, which includes the Principal, faculty members, physical education trainer.

- Awareness about environment is created by organizing poster, tree plantation and field visits. Also in second year, the subject Environment studies is included in the curriculum by the Government of India.

- Efforts are made to induct ethical values and to acquire knowledge about human rights by arranging lectures of eminent personalities for the students. Various training programmes are arranged by the college for personality development.

- Students are made aware of the importance of ICT across all disciplines.

1.3.4   What are the various value-added courses/ enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical values**

- **employable and life skills**

- **better career options**

- **community orientation**

- **Yoga Camps**

Ans:

Moral and ethical values

Regular classes on Values and Ethics in profession are conducted as a part of the curriculum. Speakers are invited to speak on different social issues.

Life Skills:

Institute understands the importance of learning the life skills & organizes cultural, co-curricular & extra program, tours, and visits, conferences to develop interpersonal skill, decision-making and values clarification. The student forums celebrate Teachers day, Engineers day and birth anniversary of famous scientists, which help to develop life skills.

Better Career Options:

Separate training and placement cell exists in the campus. Every department of the Institute arranges Guest lectures and workshops every year to expose students to new fields and new opportunities in the industry. It makes them aware of self employment and need of higher education. IEDC (Innovative entrepreneur development cell) also exists in the campus to develop students who wish to become the good entrepreneur.

Community orientation:

NSS camps are organized for the students every year. Social issues and plantation of trees are given importance during the camps. Blood donation camp is organized by NSS frequently. The students come forward and donate blood for the benefit of the public. The students organize different campaign to keep the city clean and hygienic.

Yoga Camp:

Institute organizes the Yoga Camp for Teachers and Students. Institute also celebrates the Yoga day from 2014-15. Institute also arranges visits to the social organizations for faculty and students.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

Ans:

Alumni Feedback: Every year institute organizes Alumni Meet in which feedback is collected to enrich the curriculum.

Current Students Feedback: At the end of each semester, a feedback from student is taken. The college has implemented online student feedback system.

Employers Feedback: Some staff members have attended curriculum development workshops organized by SGB Amravati University, Amravati where the feedback from the students and industry expectations about the curriculum has been communicated.

Stakeholder's feedback: Every year, institute organizes Parents Meet where parents are encouraged to give their sincere feedback. Their suggestions are taken seriously and necessary corrective measures are taken to implement them.

1.3.6 How does the Institution monitor and evaluate the quality of its enrichment programmes?

Ans:

The Institute monitors and evaluates the quality of its enrichment programs through:

- Feedback mechanism
- Expert's comment
- Mobile team visit
- Surprise visit
- Exit Feedback from the students at the end of the course.

1.4 Feedback System

1.4.1   **What are the contributions of the Institution in the design and development of the curriculum prepared by the University?**

Ans:

- College is affiliated to SGB Amravati University, Amravati hence itscurriculum is designed and developed by various Board of Studies of SGB Amravati University, Amravati.

- During the formation/ reformation/ modification of the curriculum, the University invites the representatives from various colleges to put their views on behalf of the Institute.

- Number of staff members have attended curriculum development work shops of the university and have helped in the process.

1.4.2   **Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If "yes", how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/ new programmes?**

Ans:

Institute has a mechanism of obtaining feedback from students and stakeholders on curriculum. The institute takes regular feedback from industry, alumni, students, and parents. The comments of stakeholders are communicated to University authorities through workshops, meeting of Dean, Vice Chancellor, and officers of Academic Council. The faculty who is involved in curriculum development gives the feedback to the core group formed by the University. The feedback is also used to organize the programs and courses to take care of contents beyond syllabus.

1.4.3   **How many new programmes/ courses were introduced by the Institution during the last four years? What was the rationale for introducing new courses/ programmes?**

Ans: Institute introduced following five programs in last four years to enable engineers to be empowered to face the challenges of the technical world in specific and satisfy the needs of the society.

1) M.E. Electronics and Tele-Communication with an intake of 30 was introduced in the year 2013-14

2) M.E. Computer Science and Engineering with an intake 30was introduced in the year 2013-14.

3) M.E. Electrical Power Systems intake of 24 was introduced in the year 2012-2013.

4) M.E. Thermal Engineering intake of 24 was introduced in the year 2012-13.

5) B.E. Electrical Engineering Additional Intake of 60 was introduced in the year 2013

6) B.E. Computer Science and Engineering Additional Intake of 60 was introduced in the year 2013.

7) B.E. Civil Engineering Intake of 60 was introduced in the year 2013.

The rationale for introducing the new programmes are-

• Need of more engineers in the energy, Infrastructure and IT sector.

• Enhancing analytical and designing skills towards a technical real time problem.

• Enabling multidisciplinary approach for solving industrial problems.

• Opportunity for exploration, research and to become innovators and visionaries.

<div align="center">

Criteria-II

Teaching – Learning and Evaluation

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2.1 Student enrollment and profile

2.1.1 **How does the college ensure publicity and transparency in the admission process?**

Ans.:

A. Publicity of admission process

- The institute is part of centralized admission process (CAP) carried out by Director of technical education (DTE), government of Maharashtra.

- Notification of admission through CAP is hosted by DTE, Maharashtra on their website and newspapers.

- Along with it institute also advertises the admission process in leading state newspapers.

- Institute ensures wide publicity through website and prospectus to attract meritorious students.

- The students and alumni are our Brand Ambassadors. Word of mouth publicity is very strong. This helps the institute in admitting good quality students.

B. Transparency in admission process

- The admission for 80 % of intake is governed and managed by on line centralized admission process (CAP), DTE, Govt. of Maharashtra. It ensures transparency in admission process.

- Remaining 20% Management quota seats are filled at the Institute level as per the admission rules of DTE in concerned with Institute admission cell.

- The admission cell provides counseling to walk-in enquiries of the students and their parents.

- The rules and regulations of the institute and the fees to be paid for the entire course are explained. Free ship / scholarship guidelines given by Government of Maharashtra are also clarified in admission cell.

2.1.2 **Explain in detail the criteria adopted and process of admission to various programs of the Institute**.

> (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programs of the Institution.

Ans.:

UG courses:

Admission process is conducted according to the guidelines mentioned by DTE, Government of Maharashtra.

The selection process is based purely on the marks obtained in the qualifying examination like AIEEE, JEE and CET. Institute involves in centralized admission process (CAP) governed by Director of Technical Education, Mumbai. CAP information, in detail, is made available on DTE website. For institute level seats there is parallel admission process observed at institute level through counseling.

PG courses:

Institute involves in centralized admission process (CAP) governed by DTE since 2013-14 and the admissions are done based on marks obtained in qualifying examination like GATE.

For institute level seats there is parallel admission process observed at institute level through counseling.

2.1.3 **Give the minimum and maximum percentage of marks for admission at entry level for each of the programs offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

Ans.:

Details of the minimum and maximum marks of admitted students along with comparison are given in Table below.

B. E. First Year

Sr. No	Programme	Year of Admission	Maximum CET/combine score			Minimum CET/combine score		
			PRPCE&M	PRPCET	GHRCEM	PRPCE&M	PRPCET	GHRCEM
1	EPS	2013-14	90	102	74	45	51	32
2	MECH		100	--	70	47	--	30
3	EXTC		88	70	66	54	32	32
4	CSE		78	80	56	22	21	24
5	CIVIL		80	95	82	45	41	25
6	EPS	2014-15	66	54	24	35	26	9
7	MECH		68	--	43	17	--	17
8	EXTC		63	42	43	3	18	15
9	CSE		50	49	42	25	18	9
10	CIVIL		61	70	42	34	28	18
11	EPS	2015-16	60	48	42	29	25	4
12	MECH		65	--	49	11	--	18
13	EXTC		47	28	29	12	10	10
14	CSE		48	59	42	12	20	17
15	CIVIL		64	57	71	22	26	22
16	EPS	2016-17	65	60	48	30	53	5
17	MECH		66	--	60	41	--	42
18	EXTC		56	39	100	40	5	64
19	CSE		60	60	57	15	43	48
20	CIVIL		69	65	60	45	37	55

M.E.

Sr. No.	Branch	Academic year	Maximum GATE/CET marks	Minimum GATE/CET marks	Maximum Inst. Level exam / B.E. score	Minimum Inst. Level exam / B.E. score
1	EPS		190 (41)	31	69.50	22.00
2	Thermal	2013-14	46.00	25.00	72.00	64.71
3	EXTC		41.00	31.00	73.62	58.54
4	CSE		49.00	35.00	68.96	58.36
5	EPS		18.83	3.98	72.07	57.85
6	Thermal	2014-15	20.88	1.30	82.10	67.86
7	EXTC		18.76	1.60	70.00	51.50
8	CSE		9.85	2.51	65.26	59.00
9	EPS		12.50	8.06	81.28	51.00
10	Thermal	2015-16	23.26	3.71	68.29	68.14
11	EXTC		17.04	11.82	75.36	58.58
12	CSE		11.02	-	67.00	56.85
13	EPS		12.47	3.93	9.51	9.51
14	Thermal	2016-17	13.75	3.29	6.79	6.79
15	EXTC		9.71	7.59	-	-
16	CSE		11.04	3.15	-	-

2.1.4 Is there a mechanism in the Institution to review the admission process and student profiles annually? If "yes", what is the outcome of such an effort and how has it contributed to the improvement of the process?

Ans.:

- As Director of Technical Education governs the engineering admission process in the state, institute follows rules, regulations and guidelines set up by the state government.

- The Institute has set up an Admission Cell, which is responsible to review the admission process and student profile annually. The Admission Cell of the Institute

collects the detail information about the admitted students and analyze it to categorize the students on the following aspects:

1) Academic background
2) Economic status
3) Location

Outcome:

- Management decided to give scholarship to financially weak students.
- College has setup counseling centers in different cities.

2.1.5 **Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the Institution and its student profiles demonstrate/ reflect the National commitment to diversity and inclusion**

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

Ans.:

- The Institute follows all the rules and norms laid down by DTE, Government of Maharashtra regarding admission of students in the reservation criteria.
- Institute admit students of categories like SC, ST, NT and OBC, women, economically weaker sections as per the government norms, rules and regulations and allotments.
- Institute offers the admissions under the Tuition Fee Waiver Scheme, which is mainly developed for Economically Weaker Section of the society as allotted by the central admissions committee.
- There is special reservation for the candidate of J & K student as per the norms of DTE.

2.1.6 **Provide the following details for various Programs offered by the Institution during the last four years and comment on the trends, i.e. reasons for increase / decrease and actions initiated for improvement.**

Ans.:

The following Table shows the details for various Programs offered by the Institution during the last five years.

UG

Name of Program	Academic year	Intake Capacity (A)	No. of student admitted (B)	Demand ratio (B/A)
Electrical Engineering	2012-13	60	63	1
	2013-14	60	61	1
	2014-15	60	61	1
	2015-16	60	63	1
	2016-17	60	60	1
Electrical Engineering (2nd Shift)	2013-14	60	40	0.66
	2014-15	60	35	0.58
	2015-16	60	60	1
	2016-17	60	54	0.9
Mechanical Engineering	2012-13	120	126	1
	2013-14	120	126	1
	2014-15	120	126	1
	2015-16	120	126	1
	2016-17	120	122	1
Electronics & Telecommunication Engineering	2012-13	60	63	1
	2013-14	60	59	1
	2014-15	60	62	1
	2015-16	60	39	0.61
	2016-17	60	26	0.41
Computer Science & Engineering	2012-13	60	63	1
	2013-14	120	93	0.73
	2014-15	120	75	0.59
	2015-16	120	102	0.80
	2016-17	120	107	0.84
Civil Engineering	2013-14	60	56	0.88
	2014-15	60	63	1
	2015-16	60	63	1
	2016-17	60	62	1

Post Graduate:

Name of Program	Academic year	Intake Capacity (A)	No. of student admitted (B)	Demand ratio (B/A)
M. E. (Electrical Power system Engineering)	2012-13	24	24	1
	2013-14	24	24	1
	2014-15	24	24	1
	2015-16	24	15	0.625
	2016-17	24	06	0.25
M. E. (Thermal Engineering)	2012-13	24	24	1
	2013-14	24	24	1
	2014-15	24	24	1
	2015-16	24	10	0.416
	2016-17	24	04	0.166
M. E. (Electronics & Telecommunication Engineering)	2013-14	30	30	1
	2014-15	30	30	1
	2015-16	30	16	0.53
	2016-17	30	02	0.066
M. E. (Computer Science & Engineering)	2013-14	30	30	1
	2014-15	30	30	1
	2015-16	30	09	0.3
	2016-17	30	06	0.2

The reasons for increase/decrease in the admissions are decided as follows:

- National and global employment scenario, which is projected in industry and society survey conducted by public agencies, NGOs & local broadcasters.
- Total number of seats available for admissions in the region.

2.2 Catering To Student Diversity

2.2.1 How does the Institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Ans:

Institute caters to the requirements of differently-abled students in following manner.

- The Institution completely abides by the government policies, rules and regulations regarding the needs of differently-abled students.

- Provision of ramp and wheel chair and lift for physically handicapped students is made available in the campus.

- Institute makes special arrangement for differently abled students in the university examination. These students are also provided with extra time at the time of examinations.

- Differently abled students are allowed to take services of writer with the permission of university.

- Institute level scholarship programme for economically backward students.

- Free bus facility is available.

Sr. No	Category of Reservation	Percentage of Reservation
1	Scheduled Castes and Scheduled caste converted to Buddhism (SC)	13.0
2	Schedule Tribes (ST)	7.0
3	Vimukta Jatis (VJ)/De notified Tribes(DT)(NT-A)	3.0
4	Nomadic Tribes 1 (NT-B)	3.5
5	Nomadic Tribes 2 (NT-C)	2.5
6	Nomadic Tribes 3 (NT-D)	2.0
7	Other Backward classes (OBC)	19
	Total	**50.0**

2.2.2 **Does the Institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If yes, give details on the process.**

Ans: Yes, over the years it has been observed that the few students' are lagging basic skill and knowledge to undergo engineering education are not found sufficient. The institute takes extra efforts for improving the performance of such students by adopting following measures.

- Institute conducts induction-training programme for all newly admitted students looking into the necessity of mathematics for studying engineering subjects that are analytical.

- Faculty plan and implement the teaching learning process.

- Special training hours are included in the timetable for students to increase their skills.

- At the beginning of the semester, the first lecture of each course is devoted to motivate students to develop the proactive attitude towards the subject.

2.2.3 **What are the strategies adopted by the Institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?**

Ans: The student intake is majorly from rural areas. It has been observed that the communication skill of such students is generally weak. This necessitates an institute to form a strategy to expose students to English speaking through special arrangement.

- Special Remedial classes are taken for the weak students (slow learners) by identifying students by way of test & they brought at par with fast learners.

- To enhance their communication skills, personality and competence, the institute regularly organizes skill development programs.

- Special classes are arranged for late admitted students, especially students of directly admitted to second year B.E.

- Some enrichment courses like technical trainings, workshops, technical festivals and conferences are conducted to improve the students' skill and motivate them to do some novel, innovative and creative projects. In addition, Institute motivates students to participate in such other external events/ competitions.

- Special classes are conducted for aptitude and communication skills by the institute.

Details of enrichment courses organized are as follows:

Sr. No.	PROGRAMMES ORGNISED	NUMBERS
1	Soft Skills	19
2	Workshops	41
3	Technical Festivals (eg.Techelons)	07

2.2.4 How does the college sensitize its staff and students on issues such as gender inclusion, environment etc.?

Ans:

Institute sensitizes its staff and students through various programs.

- Institute provides equal opportunity to women& gents for all the activities & process. It include activities like co - curricular, extra-curricular, deputation to the courses, programs, higher studies, appointments, committees, placements etc.
- Programs on Women Empowerment, Green Environment, Poster competition, tree plantation have been organized.
- Institute organizes special training programs on ethical and moral values for students & staff.
- Institute organizes social activities to maintain good social environment.
- Institute celebrates Teachers Day and Engineers Day, where students get the opportunity to realize the teachers' role & put forth their ideas in this regards.
- Institute has dress code for all students and staff.

2.2.5 How does the Institution identify and respond to special educational/ learning needs of advanced learners?

Ans:

The Institute identifies special educational/ learning needs through the assessment of class and unit tests. In addition, the institute also indentifies and responds to the students' need of advanced learning capability by following means.

- Frequent interaction of staff members with such students.
- Organization of experts' lectures so that such students can get advanced knowledge.

- Additional books (Book Bank) & library facility are made available to advanced learners.

- Encouraging students to participate in value added courses, content beyond syllabus programs, etc.

- Encouragement to participate in science / technical exhibitions in order to design and execute working models to give shape to their inherent ideas.

- Organization of technical events such as paper presentations, projects, games, software development and extra-curricular activities.eg. TECHELONS, UNMESH.

- Provision of financial support for innovative projects.

2.2.6 **How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

Ans:

Institute analyzes results of every semester and identifies students who are performing below average. Class teachers / counselors generally keep the data of such students.

- Head of the Institution takes regular meetings with counselors to obtain the data about financially and academically weak students.

- Counselors interact regularly with student assigned to them and review the academic performance of student and probable reasons for the same. He/she co-relates the result with the categories of the student viz. section of society, physically challenged, slow learners & economically weaker students.

- Parent-teacher meetings also provide an insight about problems of weak students.

- The institute takes corrective measures (eg. Extra coaching, counseling, financial support, etc.)to tackle the problems of students who are at the risk of drop out.

Physically Challenged

- Institute counsels physically challenged students and provide solution to the particular demands of such students those include location, movement and any other special needs.

- Institute counsels about the special facilities, reservations and scholarships offered by State Government and NGOs.

- Institute creates awareness among the students about the employment opportunities and the higher studies.

- Institute attempts to recognize inherent skills in the student & motivates to excel in the related areas.

Slow Learner

- Teacher counsels the parents about improvement of their ward.

- Teacher provides individual coaching as and when required.

- Specially developed question banks and assignments are made available to slow learners.

Economically Weaker Section

- Institute provides information about government scholarship, educational loan facility etc.

- Institute provides partial / full concession in fees to deserving students.

- Institute also provides free lodging and boarding, if required, to deserving students.

Disadvantaged sections of society

- Fee waiver scheme / TFWS scheme is provided by Government of Maharashtra.

- SC/ST/OBC/EBC/minority students are given benefits of reservations in admission & scholarship as per government norms.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

Ans.:

- Academic year starts as per the schedule provided by SGB Amravati University.

- The head of department conducts a meeting of faculty one month before the start of semester and discusses the syllabus of the program and their subject preferences are asked. Subject distribution is made accordingly.

- In addition, the academic calendar of the department is prepared which includes total working days, assessment schedule, academic events, holidays, etc. in concurrence with the University calendar.

- The students are informed about Time Table and academic calendar at the start of session.

- The faculty prepares course file which includes teaching plan, notes and other study material, experimental write ups, previous year university question papers, assignments, etc

- Institute conducts Unit Tests in a term. Performance of the student is shown to students and parents. Counselors counsel the students about their academic performance.

- The orals also conducted and performance of student is evaluated.

- At the end of term, University conducts examination and evaluates the performance of students.

- Institute carries out result analysis and guidelines are provided to faculty and students for further improvement.

2.3.2   How does IQAC contribute to improve the teaching–learning process?

Ans.:

The IQAC play an improvement role in Teaching–learning Process as follows.

- The status of syllabus coverage is taken at the end of every month.

- IQAC suggest that, senior faculty members in the department must teach the critical analytical subjects. In addition, a preference given to the faculty members who are expertise and giving consistent results in a subject.

- IQAC takes the information from Principal's office about the analysis of feedback from students, parents, employers and alumni and suggest required actions accordingly.

- IQAC takes qualitative steps to integrate modern methods of teaching and learning to improve the quality of academics. e.g. use of digital board, NPTEL videos, Animations, PPTs, etc.

- Verification of documents regarding teaching learning and their execution.
- IQAC organizes programs for faculty development.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Ans.:

    The learning is made student-centric by following measures:

- Giving home assignment and project work and taking regular follow up.
- Library & internet facility for value addition and independent learning.
- Use of video clips, models for effective learning.
- Conducting sessions like group discussion, mock interviews, seminar, quiz, poster presentation, group projects to make the learning more interactive.
- Every department has NPTEL lecture series for students.
- Special web based software is available to improve the aptitude skills of students, which helps in campus placement.
- Training & Placement department conducts personality development classes and software languages classes throughout the year.
- Institute has language laboratory to improve communication skill of students.
- Assigning mini projects and guiding them in solving problems. Students are also taken on educational tours to different industries in India and abroad.
- Organizing alumni meet for interaction with the students.

2.3.4 How does the Institution nurture critical thinking, creativity and scientific temper among the students to transform them into lifelong learners and innovators?

Ans.:

- Institute has IEDC (Innovative Entrepreneur Development Cell) under which students are continuously motivated and encouraged to present their Project/Research work. For the innovative product, fund is provided from the Department of Science& Technology, Government of India.
- Every year Institute organizes a mega Technical Festival " TECHELONS" in which events like Paper presentation, Robotics, Model exhibitions, Software development

competitions, Contraption, Poster competition, Junk art, etc. are held to develop creativity and critical thinking among the students.

- Institute also encourages and guides students to participate in the National/International competitions organized by other Institutes& University.

- Institute invites scientists, entrepreneurs, industry personnel and the well-known personalities to share their success stories with students.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? E.g. Virtual laboratories, e-learning - resources from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Ans.:

- All the classrooms are equipped with Digital Board. Faculty members use power point presentations to make classroom teaching more effective.

- The campus is Wi-Fi enabled and has internet connectivity round the clock for students and staff.

- The Institute encourages and deputes faculty members for seminars, conferences, workshops, FDPs, STTPs and other development programs organized by other organizations.

- The institute has well equipped auditorium hall.

- NPTEL lectures are made available to the faculties &students.

- Leading journals in the field of Science, Engineering and technology are available in the library.

- The Institute has Language laboratory for communication skill development.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Ans.:

- Institute organizes expert lectures, seminars, conferences, workshops, summer and winter schools to expose students and staff to advance level of knowledge.

- Institute deputes the faculty for seminars, conferences, workshops, STTPs organized by other organizations.

- Institute has the student's chapters and Institutional membership of professional bodies like ISTE**.**
- Some faculty has the membership of various professional bodies.
- Institute has the students' forum in each department (MESA, FOCI, EESA, ETSA, etc) which organizes various events to expose students to advanced technology.

2.3.7   **Detail (Process and the number of students benefited) on the academic, personal and psychosocial support and guidance services (Professional counseling / mentoring/ academic advice) provided to students.**

Ans.:

Institute provides professional counseling, mentoring and academic advice to students for their betterment and exposure to the global market.

Process for Mentorship/Counseling:

a) **Academic Counseling to Individual Student:** Academic and career counseling is provided to students as per requirements. Even parents are informed about academic and career opportunities for their wards. Parents-teacher meet is conducted every year.

b) *Counseling for further Studies:* Students are made aware of the scope for higher studies in India and Abroad.

c) *Career counseling:* Various lectures by experts from professional organizations are conducted for the benefit of students on career counseling and employability skills Development. The Placement Cell of the institute provides information about job opportunities in different companies.

d) *Counseling regarding Competitive Examinations In the department:* Programs are arranged to create awareness and motivate students to pursue career in Administrative services, Government, semi government &private sector.

e) *Entrepreneurship Counseling:* Institute has an IEDC, to help in enhancing the entrepreneurial skills of the students by arranging various programs. Students are continuously motivated and encouraged to present their Project/Research work.

2.3.8   Provide details of innovative teaching approaches/ models adopted by the faculty during the last four years? What are the efforts made by the Institute to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Ans.:

- Faculty prepares the teaching plan for the smooth execution of the course allocated to them.
- The lecture is delivered using models, video clips, and Power Point presentation to elaborate the content of the syllabus.
- Institute has digital interactive boards in classrooms wherein video lectures are shown.
- The students are assigned various tasks such as Group Assignments, Problem Solving and Mini Projects. This activity helps to improve self-learning ability and teamwork.
- The students are also exposed to industrial practices by organizing industrial visits and guest lectures.

Efforts made by the institution:

- Institute deputes faculty members to participate in teaching learning programs.
- Institute organizes FDPs, workshops on research methodology, teaching skills, etc.

Impact of innovative practices on student learning:

- Learning process becomes increasingly personalized.
- It enables students to develop and realize their personal potential.
- Learning process helps the learners to not only enjoy learning, but also acquire skills those empower them to actively engage in the development of their personal skills and competences and improve their performance and achievement.

2.3.9   How are library resources used to augment the teaching learning process?

Ans:

The library plays a vital role in Teaching-Learning Process.

Library facility:

- More than 22421 book volumes with 3521 reference titles.

- Around 105 (national, international) print journals are subscribed to update the current knowledge of the stakeholders in their respective field.

- E-journals IEEE, ASCE, ASME, JGATE (Management).

- Digital Library comprises 14 computers with Internet facility.

- Free Book Bank facility for SC/ST students.

- Reprography and printing facility.

- Open access facility is available. Library Staff motivate students for open access to aware them about the latest arrivals.

- Separate Reference, Periodical, Circulation, Digital Library section and reading room facility.

- In addition to the central Library, each department has its own Departmental Library to facilitate easy access to the faculty, students and research scholars.

- Newspapers and related magazines.

- Students avail the additional books and references as per their need to study the regular subject in curriculum, project work, paper presentation, seminars etc.

- Students and faculty refer UG & PG project reports, Research Journals, Proceedings for development of study material, projects and seminars.

2.3.10 Does the Institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Ans.: Yes, it is experienced that the curriculum may not be completed due to some of the following reasons.

- Late admission schedule of direct second year makes it difficult for those students to cope up the complete syllabus.

- Centralized admission process schedule.

- Extended university examination schedule.

- Late result declaration.

- Unforeseen natural calamities.

- Specific number of hours is given for all subjects as per the scheme prescribed by University. But certain subjects need more time.

Efforts to overcome the challenges

- In such cases, the Institute extends the teaching hours to make up for the academics.

- Extra classes are organized for direct second year students.

- Course material is provided to speed up the learning process.

- Prerequisite of the subject are covered in form of assignments.

- Institute observes some holidays as working days to make up the academics.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Ans.:

- Institute takes feedback from students, alumni, employers and parents.

- After analyzing student's feedback, instructions are given to individual faculty members for corrective actions.

- Unit tests, assignments, viva etc are conducted & evaluated in regular intervals. The unit test results are analyzed to improve teaching learning process. Further, university results are analyzed with respect to various parameters toensure quality of teaching learning.

- Head of department evaluate course file of individual faculty containing study material, assignments.

- Project review committee continuously monitors students' projects.

2.4   Evaluation Process and Reforms

2.4.1   Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Ans.:

Recruitment strategies

Recruitment of faculty is as per AICTE norms. Applications are invited from the desirable candidates upon the approval of advertisement from the University. The Vice Chancellor appoints the committee consisting of experts and this committee for the scrutinized candidates conducts interviews.

However, for appointments on ad-hoc basis, applications are invited through advertisement in newspaper and the local selection committee identifies desirable candidates after conducting demo lectures and interviews.

Retention strategies

- Institute has time bound and performance based promotion policy.
- Institute deputes faculty for higher studies as well as for attending/participating conferences, workshops etc.
- Institute encourages staff members for the membership of professional bodies.
- Employee welfare facility that includes group insurance, medi-claim, gratuity.

Following table shows the details of staff of the Institute:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
Ph.D.	00	01	02	01	02	02	08
PG	00	00	02	00	47	20	69
Temporary Teachers							
Ph.D.	00	00	01	00	02	01	03
PG	00	00	00	00	55	31	86

2.4.2 **How does the Institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the Institution in this direction and the outcome during the last three years.**

Ans:

The Institute copes with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study by following ways.

- Faculty members are encouraged to participate in workshops, seminars, STTP, FDP, etc related to new programmes/ modern areas.
- Faculty members are also encouraged for higher studies and research.

- Institute appoints qualified and senior faculty through an open recruitment system.

- Institute regularly organizes expert lectures on emerging areas for faculties.

2.4.3 Providing details on staff development programs during the last four years elaborate on the strategies adopted by the Institution in enhancing the teacher quality.

a) *Summary of staff development programs*

Academic Faculty member Development Programs	Number of faculty nominated
Refresher course	02
HRD programmes	174
Orientation programmes	37
Staff training conducted by the university	03
Staff training conducted by other institutions	46
Summer / winter schools, workshops, STTP,FDP etc.	195

b) **Faculty training programs organized by the Institution to empower and enable the use of various tools and technology for improved teaching-learning-Teaching learning methods/approaches, Handling new curriculum, Content/knowledge management, Selection, development and use of enrichment Materials, Assessment, Cross cutting issues, Audio Visual Aids/multimedia, OER's, Teaching learning material development, selection and use.**

Few of the Faculty training programs organized during last three years

Sr. No.	Type of Training	No. of programs
1	Teaching learning methods/approaches	06
2	Handling new Curriculum	12
3	Content/knowledge management	13
4	Selection, development and use of enrichment materials	03
5	Assessment	1
6	Audio Visual Aids/Multimedia	48
7	OER's	2
8	Teaching learning material development, selection and use	04

c) Percentage of faculty

Teachers undergo training by attending various seminars workshops conferences as participants/resource persons. Number of faculty who have attended seminars/conferences/workshops/Refresher courses as participants/ resource persons in the last four years:

Faculty	%
Invited as resource persons in Workshops / Seminars /Conferences organized by external professional agencies	**10.80%**
Participated in external Workshops / Seminars /Conferences recognized by national/ international professional bodies	**66.84%**
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	**60.34%**

2.4.4 **What policies /systems are in place to recharge teachers? (e.g. providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programs, industrial engagement.etc)**

Ans.: To recharge the teachers, the Institute has following policies**:**

- Institute supports for professional development of the faculty by encouraging them to pursue higher qualification.

- Institute deputes faculty for attending refresher and orientation program, conferences, seminars and training program organized by other organizations.

- Institute also conducts seminars, workshops and special lectures for faculty members.

- Institute grants duty leaves according to the nature of work.

- Faculty is encouraged for publishing their research papers in national/ international journals and conferences.

- National and international level interface has been established for teaching and research.

- Incentives are given to faculty for the research grant received from various funding agencies.

2.4.5 **Give the number of faculty who received awards /recognition at the state, national and international levels for excellence in teaching during last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.**

Ans.:

The Institutional culture and environment welcome the innovative ideas put forth by faculty and whole heartedly support in terms of guidance, time and finance, which eventually contributes to performance and achievement of the faculty. To name few awards/ recognition of the faculty

Name of faculty member	Award/ Recognition
Prof. M. S. Burange	Best Teacher Award at an International Event Techelons 2012
Prof. Prof. A .D. Lonare	Best Paper Award at ICPVS-2014 "An approach to analyse facial expression from videos using PHOG"
Prof. Aniket U. Trivedi	Best Teacher Award in Techelons Event
Prof. Gauri P. Borkhade	Best Paper Award for the paper entitled **"A modified CMOS design of low noise amplifier for ultra wide band application"** in International conference on
Prof. Suryakant P. Bhonge	Electronics, Electrical and Data Communication held on **20th October, 2012**
Prof. S. G. Fale	Best Paper Award for the paper titled " Evaluation of Mechanical properties of Al-AlN MMCs synthesized using chemical processes" at Indian science Congress, 2012, Bhubaneswar
	Best Paper Award for the paper titled " Thermodynamics basis for nanostructured AlN formation in Al matrix by nitridation" at National Conference , Rajiv Gandhi College of Engg. & Research, Nagpur.
Prof. P. S. Ardak	Best Teacher Award at Dept. Level
Prof. Atul A. Ghute	Best Faculty Award at an International Event Techelons 2012

Prof. N. R. Pohadre	Best Teacher Award at an International Event Techelons 2012
Prof. P. M. Mankar	Best Paper Award. Title of paper "**S-2013, Battery based Vehicles**"
Dr. S. B. Warkad	Received "Union Ministry of Energy (now Ministry of Energy, Department of Power, Government of India) - Department of Power Prize" for the paper entitled "Optimal Electricity Nodal Pricing in a Restructured Electricity Market" (published in the Electrical Engineering Journal of IEI, Vol. 91, June 2010 issue). The prize- Gold Medal and Certificate of merit is presented by The Institution of Engineers (India) in 26th Indian Engineering Congress at Bangalore on 06/12/11.
Dr. S. B. Warkad	Editor/ reviewer of several National/ International journals.
Prof. A. W. Mahore	Best Teacher Award on Teachers Day 2014 by State Bank of India, Main Branch Amravati

2.4.6 Has the Institution introduced evaluation of teachers by the students and external peers? If yes, how is the evaluation used for improving the quality of the teaching–learning process.

Ans.:   Yes, the Institute evaluates teachers by taking feedback from students and external peers

- Once in a semester, feedback from students is taken online.
- Committee of Principal, Dean, HOD/Section heads is formed to analyze the feedback.
- The strengths and areas of improvement are identified.
- Appreciation letters motivate faculty members.
- Faculty members who have areas of improvements are advocated to improve in specified areas by deputing them for FDPs.

Effects and improvements due to feedback by student and external peers

- Teaching skills of faculty have improved.
- Need of interaction in class is recognized and faculty has started using interactive teaching methods in the class.

2.5 Evaluation Process and Reforms

2.5.1   How does the Institution ensure that the stakeholders of the Institution especially students and faculty are aware of the evaluation processes?

Ans:

The Institute is accountable to the stakeholders - students, faculty, parents, alumni and the society. The evaluation processes are brought to the notice of concerned stakeholders through the following:

1) The Institute notifies the students regarding schedule and structure of exam evaluation procedure conducted by both college and University through their faculties.

2) Dean academics at the Institute informs faculty, before commencement of the semester, about the evaluation process to be implemented at the Institute.

3) FDPs are conducted in advance to make faculty aware of the evaluation procedure.

4) At the commencement of the term, students are notified about the criteria for evaluation of Term Work.

5) The Institute also publishes related information on its website.

6) Parents are informed about exam evaluation process during parent teacher meet and first year induction program. They are also suggested to visit the university and Institute websites.

2.5.2   What are the major evaluation reforms of the university that the Institution has adopted and what are the reforms initiated by the Institution on its own?

Ans:

The Institute is affiliated to the university so the reforms suggested by the University has been adopted in curriculum, examination pattern and evaluation process. The Institute has appointed Chief Examination officer (CEO) who is university approved experienced faculty to deal with the university exam related matters.

University has introduced online distribution of question papers and evaluation of answer sheets in examination of First year engineering from session 2015-16.

The Institute has adopted Credit Based System for UG and PG programmes as per the reforms suggested by the University with effect from 2013-14.

The Institute is also incorporating reforms in syllabus time to time as suggested by the University.

Final year students Project work is evaluated through Seminars and Presentations conducted internally as well as through University evaluation process.

2.5.3 How does the Institution ensure effective implementation of the evaluation reforms of the university and those initiated by the Institution on its own?

Ans: University evaluation reforms:

Any reforms or changes brought out by the university are displayed on the University website and informed to the Institutions through circulars.

University has a systematic procedure of Revaluation, Rechecking, Re-totaling and photocopying of the answer sheet. Institute helps students for any of the related issues.

The Institute conducts all university examination as per its schedule. The examination conduction is effectively monitored as guided by University. The Institute has taken following measures for the effective implementation of the evaluation reforms introduced by the University.

- The Institute has well trained exam invigilators for smooth and effective conduction of theory and practical examinations.
- At Institute level, effective implementation of tutorial and unit testsdone and results are declared within prescribed schedule. The students can see their evaluated answer sheets and discuss the same with concerned faculty.
- Internal and external examiners jointly evaluate term work.
- For smooth conduction of University theory examination, an internal squad comprising of senior faculty members of the Institution is deployed.

At the beginning of semester, the intended activity is informed to all the teachers. At regular intervals the Principal, Vice-principal and HoDs ensure the effective implementation. In addition, student's feedback is also considered to ensure the effective implementation.

2.5.4 **Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples, which have positively impacted the system**.

Ans: **Formative Evaluation Process:**

The aim of formative evaluation of the students is to monitor their learning, enhancement in subject knowledge, and to collect continuous feedback, which is used for faculty improvement. Formative evaluation is carried out considering the following parameters.

a) Practical/oral examinations

b) Unit tests

c) Assignments

d) Projects/ Seminar

e) Students' class/laboratory performance

Summative Evaluation process:

The aim of summative evaluation is to evaluate students' performance at the end of semester by comparing it against some standard. Summative evaluation helps students to gain confidence and to achieve good results. The Institute facilitates the University to conduct summative evaluation at the end of each semester through the following:

- For all theory and practical courses (other than project work / Seminars), the continuous internal assessment carrying 20 & 25 marks respectively which is subdivided into attendance, laboratory experiment /class performance (unit tests), assignments / tutorials, orals, etc.

- The final year Project work / Seminar are also evaluated through presentations, demonstration before internal experts.

- The University end semester examination shall carry 80 marks for theory and 25 marks for practical examinations.

Impact

- Class tests, question bank and assignments have helped the students to revise curriculum and practice for exams.

- Internal orals help the students to face University level Oral/Practical examination with confidence.

- Enhancement in student's examination performance.

- Improvement in student's behavior, punctuality, attendance etc.

- Students understanding of concepts have reached a satisfactory level.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

Ans:

- To monitor the student progress, Institute has the continuous internal evaluation system, which consists of internal assessment tests, improvement Test and evaluation of practical performance.

- Continuous Assessment Report is displayed on Notice board of respective department.

- In continuous assessment process, opportunities are provided to improve marks to the students participating in various technical activities.

- The internal assessment mechanism for the students is transparent.

- Institute communicates progress report of their ward to the parents.

- The Institute analyses Programme-wise performance of students every year.

- During the assessment of oral/practical, points like technical ability of the student, communication skills, logical understanding, behavior of the student, personality, ethical values, professionalism are observed and rated.

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

Ans:

Graduates attributes specified by the college:

a) **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

c) **Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.

d) **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

e) **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

f) **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts, demonstrate knowledge of, and need for sustainable development.

g) **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities, and norms of engineering practice.

h) **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.

Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team to manage projects and in multidisciplinary environments.

Attainment of Graduate Attributes:

- Each department has well defined course objectives, course outcomes, Program education objectives and Program outcomes and those are in accordance with graduate attributes.

- Innovative teaching methods and student centric teaching – learning approach is adopted to achieve course outcomes.

- Course objectives and course outcomes are mapped with Program outcomes and Program outcomes are mapped with graduate attributes.

- Institute has set up well-equipped language laboratory and Language Lab software has been installed. The activities carried out in language lab help the students to improve their verbal and non-verbal communication and develop soft skill among them.

- Institute encourages the independent learning, which includes paper presentation by students, project, innovative mini project, publishing the articles in news paper and gives proper weightage to these activities.

2.5.7   **What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level**?

Ans: The concerned faculty looks into redressal of grievances with reference to evaluation at the college level. The faculty discusses the marking scheme and model   answers with the students and helps them solve their queries.

The students can apply for verification, revaluation and for photocopy of answer book to the university. The University examiners re-verify, re-assess the answer books and the revised marks if any are conveyed to the students.

The Institute appoints a coordinator as per guidelines issued by the University to take care of students' exam related grievances.

2.6 Student performance and Learning Outcomes

2.6.1.   **Does the college have clearly stated learning outcomes? If 'yes 'give details on how the students and staff are made aware of these?**

Ans: **YES,** Institute has clearly stated and well defined learning outcomes.

- The learning outcomes are notified by presentations, academic diaries.

- Learning outcomes are displayed in the departments.
- Learning outcomes are notified during Induction training program for students, faculty development programs &parent meet.
- Learning outcomes are uploaded on Institute website.

2.6.2 **Enumerate on how the institute monitors and communicates the progress and performance of students through the duration of the course/Program? Provide an analysis of the student's results/achievements (Program/course wise for last four years) and explain the differences if any and patterns of achievement across the programs/courses offered.**

Ans:

- To monitor the student progress, Institute has the continuous internal evaluation system, which consists of unit tests, assignments, seminars, etc.
- Continuous Assessment Report is displayed on notice board of the respective department every month.
- Institute communicates the grades, marks obtained in the internal examination to the parents and students regularly.
- Institute organizes regular parents' teacher meet for establishing communication with students and parents.
- The University also conducts the theory and practical examinations at the end of semester. The result of same are communicated to the student.
- The Institute analyzes the University examination result for each Program for setting new targets.

Final year result analysis for last four years				
Branch /Year	**2012-13**	**2013-14**	**2014-15**	**2015-16**
CSE	71.76	94.9	93.33	93.00
EE	87.08	93.96	96.25	88.00
MECH	86.36	93.36	81.98	94.00
EXTC	80.28	87.5	80.15	94.00
MCA	98.55	93.68	85.5	90
MBA	78.79	66.67	55.56	68.00

Final year result analysis for last four years
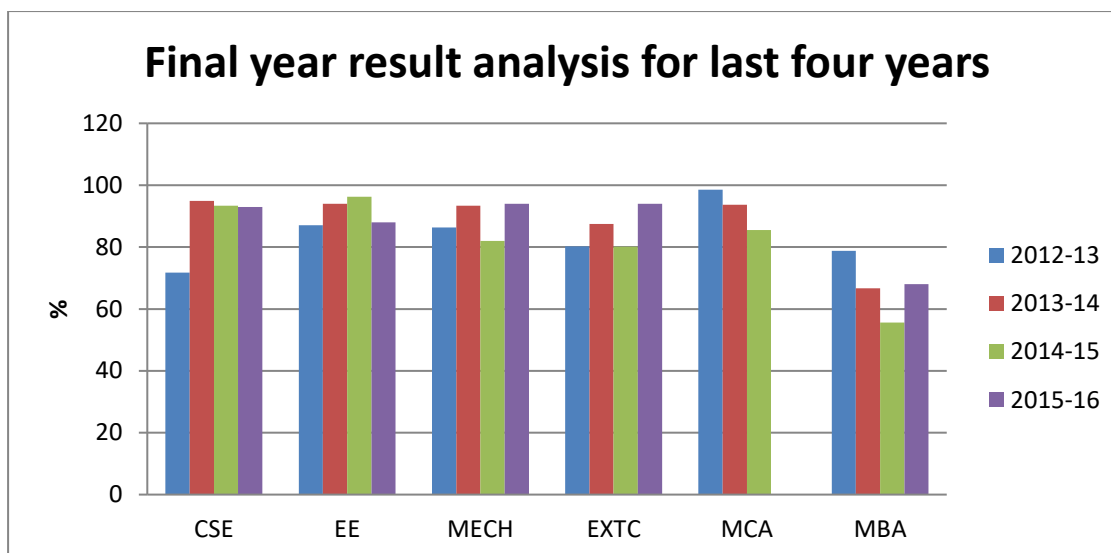
2.6.3 How are the teaching, learning and assessment strategies of the Institution structured to facilitate the achievement of the intended learning outcomes?

Ans.: The delivery content of the program is aimed to achieve the learning outcomes. Thus, the curriculum, teaching learning and assessment at institute are student centric. The Institute follows a procedure in order to structure teaching learning and assessment to facilitate attainment of the Learning outcomes.

The intended learning outcomes are achieved through Academic calendar, teaching plan and course material availability, classroom lectures, interactive sessions, laboratory sessions, library, class tests, self-study, assignments, seminars, presentations, etc.

The Institute has also made available all required facilities needed for smooth conduction of above procedure. Apart from it Institute also encourage students learning by organizing trainings, conferences, expert lectures and workshops.

2.6.4 What are the measures/initiatives taken up by the Institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

Ans.:

- Institute has set up separate entrepreneurship development cell 'SEWA' that organizes different programs to inculcate skills of entrepreneurship amongst the women.

- Training and placement department conducts trainings like soft skill, GATE / IES coaching, personality development and placement programs to enhance employability of the students in collaboration with ECPA (Engineering college placement association)

- Institute has started to develop research environment and entrepreneurship skill amongst faculty and students by involving them in research projects funded by IEDC and DST, New Delhi.

- Institute has already set up NSS unit to build up social responsibility amongst students.

- Institute organizes 'TECHELONS', a National level Technical festival every year.

- Institute motivates students for participation in various activities of Technical Fest like Research Paper Presentations, Model /Project Competitions, robotics etc.

- The Institute established R & D cell under which Students and faculties are motivated to work on innovative projects, patent/ IPR development and Industrial consultancy.

- Students are encouraged to use resources in library for research like digital library to improve their research aptitude.

2.6.5 **How does the Institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

Ans: Institute collects the data about learning outcomes from students, alumni, employers and industries through Students interaction and feedback from Alumni and Employer.

- The barriers of learning mainly includes Communication skills, level of confidence, level of understanding, socio-economic background, psychological and health concerns, etc.

Institute has taken following steps to overcome barriers of learning outcomes:

- Providing English language training through various soft skill courses and Language laboratory, Timely redressal of student's grievances, Remedial classes for slow learners

- Student performance is evaluated based on academics, co-curricular and extracurricular activities. The faculty uses the same for planning and overcoming the barriers of learning.

- All evaluated data is mapped with reference to stated learning outcomes and graded as "achieved, partially achieved, not achieved".

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Ans.:

Institute monitors and ensures the achievement of learning outcomes through the following measures

Monitoring

- The committee consisting of senior faculties of the department monitors the achievement of learning outcomes.
- Periodic meetings are conducted to discuss syllabus coverage, response of students in the regular assessments, class tests, orals, project work and presentations.

Ensuring of learning outcomes

- The Institute analyzes results of class tests, university exams, orals.
- The students are given feedback of their performance with proper guidelines to improve.
- The learning outcome gap is filled through remedial classes, providing study materials.
- Institute develops content delivery methods that are aligned with intended program outcomes, which help to achieve the specified learning outcomes.
- The Institute follows the NBA guidelines to monitor and ensure content delivery with the program outcomes. The details are given below.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

a. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

b. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

c. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

d. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

e. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

f. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

g. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

h. Ethics: Apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice.

i. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

j. Communication: Communicate effectively on complex engineering activities with the engineering community and with society, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

k. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

l. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Mapping of PEOs and POs

PEO	Programme Educational Objectives	Program Outcomes
I	Graduates would apply their fundamental knowledge to solve complex engineering problems in the field of Electrical and Electronics Engineering.	a,e
II	Graduates would demonstrate professionalism and get familiarized with professional issues.	c,d,f
III	Graduates would communicate proficiently, work effectively in teams and build leadership qualities.	d,g,h
IV	Graduates would engage themselves in the related areas to suit their career aspirations, which will lead to lifelong learning.	b,c,i,j,k

2.6.7   **Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes', provide details on the process and cite a few examples**

Ans.:   Yes, the Institute and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning. Following are the indicators for evaluating student performance.

The overall performance, regularity and sincerity of the students matters as an indicator for evaluating student performance, achievement of learning objectives and planning.

- The individual teachers use the result of class tests and university examination as indicator of student's performance. Slow learners are identified and extra classes are organized for them.
- Institute also uses placement record as indicator of student's performance.
- Institute/individual teachers use assessment/evaluation outcomes for better planning, up gradation of teaching methods and procurement of requisite study materials.

CRITERIA-III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 PROMOTION OF RESEARCH

3.1.1. Does the Institution have recognized research centre/s of the affiliating University or any other agency/organization?

Ans: Institution runs four PG programmes in the departments of Mechanical Engineering, Electrical Engineering, Electronics& Telecommunication Engg., and Computer Science & Engineering. It is strongly desired to set up a recognized research centre/ lab in each department. Accordingly, R&D cell has been established in the Institute. A research committee has a responsibility to identify research areas for promoting research-based activities in the different departments.

As per the norms of Sant Gadgebaba Amravati University, Amravati, after 10 years of establishment, the Institute is eligible to apply for recognition of Research labs by University.

3.1.2. Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Ans: A core Research body and Committee has been formed under the chair of Principal. It includes senior faculty member and student members.

SN	Body	Designation
1	Governing Council	Chairman, Secretary, Institute Director
2	Advisory Council	Principal/Vice Principal of Institution, Dean (Academics), Heads of Department, External Consultants, Industry/Research organization Experts
3	R&D Council	Dean (R&D), Coordinator, IEDC coordinator, FDP coordinator, Core Faculty members and Student members from all concerned Departments
4	Research Scholar	Interested students and faculties

The details of R& D Council are as follow.

Sr. No.	Name	Position	Designation
1	Dr. S. D. Wakde	Chairperson	Principal
2	Dr. Sandeep G. Fale	Dean (R&D)	Associate Prof & Head, Deptt. of Mechanical Engg.
3	Dr. Sanjay B. Warkad	Chief Coordinator	Prof & Head, Deptt.of Electrical Engg.
4	Prof. A. U. Trivedi	Deptt Coordinator	Asstt. Prof. (EXTC)
5	Ms. Trupti H. Tasre	Student (EXTC)	Member
6	Mr. Vikram N. Thorat	Student (EXTC)	Member
7	Prof. D. C. Dhanwani	Deptt Coordinator	Asstt. Prof. (CSE)
8	Priyadarshan Joshi	Student (CSE)	Member
9	Pratik kale	Student (CSE)	Member
10	Prof. Pankaj Ardak	Deptt Coordinator	Asstt. Prof. (ME)
11	Mr. Nikhil Pote	Student (ME)	Member
12	Mr. Ankush Ronghe	Student (ME)	Member
13	Mr. Ajinkya Dalavi	Student (ME)	Member
14	Mr. Dhananjay Dhore	Student (ME)	Member
15	Prof. Atual Ghute	Deptt Coordinator	Asstt. Prof. (EE)
16	Prof. Vikas Gaur	Faculty Member	Asstt. Prof. (EE)
17	Mr. Krushna Pawar	Student (EE)	Member
18	Mr. Shubham Jalit	Student (EE)	Member
19	Ms. Daya Joshi	Student (EE)	Member
20	Mr. Vaibhav Dhule	Student (EE)	Member

Dean (R&D) will look after the activities related with research and development in the Institute. Dean (R&D) will conduct regular meetings as per the schedule to be attended by all HoDs/ nominated Departmental coordinators (Staff, Students). Discussions in meeting will come out in form of research guidelines, review and monitoring of research work for each department.

Institute has identified research areas as given below.

Sr. No.	Department	Areas of Research activity
1	Mechanical Engg.	Heat Transfer, I.C. Engine, Solar Engg.
2	Electronics and Telecommunication Engg.	Signal and image processing, Telecommunication network, VLSI design, Embedded system, Antenna, Artificial neural network
3	Electrical Engg	Electrical Power System, Distribution Automation, Electric Drives & Control, Artificial intelligence techniques in Electrical Engg, Embedded system etc.
4	CSE	Computer network security, Image Processing, Data mining, Neural network.
5	Civil Engineering	Concrete Technology, Structural Dynamics, Geotechnical & Environmental Engineering.

Activities carried out / facilities provided at the institute level to facilitate the research:

- The R&D Cell organized faculty development program on "How to write Research Paper", "How to write Research proposal" etc.
- Departments have applied and received funds from DST, New Delhi for innovative projects under IEDC.
- Institute organizes National level technical events and project competitions every year for students.
- Faculty members are also motivated to submit/present their research papers in several journals/conferences.

Major recommendations of the R & D cell are as follows

- Identification of Thrust areas in core departments of engineering and science.
- Up gradation of research laboratories and need based journals.
- Incentives for research activities and filing of patents.
- Enhance funds for research from various funding agencies, industries.
- MoUs with reputed national and international organizations are some of the promotional decisions taken by the committees.

- Encourage UG and PG students to take up projects on innovative ideas from industries and related to societal concern.

The major outcomes of the R & D promotion are

- Number of faculties having Ph. Ds increased and currently 13 faculty members are pursuing Ph.D.

- Significant increase in project grants. The institute has received a total of Rs.33.5 Lakhs funding from various agencies like Department of Science &Technology (DST) etc.

- Principal investigators are provided with necessary infrastructural facility and autonomy.

- National and International Seminars/conferences/workshops related to research are conducted on regular basis.

- Laboratories are modernized with additional latest equipment, experimental set-ups and software to promote research activity in the campus.

- Substantial boost in publications of faculty and students in reputed journals.

3.1.3. *What are the measures taken by the Institution to facilitate smooth progress and implementation of research schemes/ projects?*

- *Autonomy to the Principal Investigator*
- *Timely availability or release of resources*
- *Adequate infrastructure and human resources time-off, reduced teaching load, special leave etc. to teachers.*
- *Support in terms of technology and information needs.*
- *Facilitate timely auditing and submission of utilization certificate to the funding authorities*
- *Any Other*

Ans: The Principal investigator (PI) has liberty to finalize the project and decide working strategy to achieve a goal with efficacy. The Institute has adequate infrastructure to work on research projects. Provision of funding is available for faculty/students for their research activities as per their requirements. The Institute encourages the faculty to participate in research by cash incentive / rewards. Faculties

are facilitated with duty leave to attend conference/ seminars to update their knowledge and consolidate research work. Library services are upgraded with procuring recent publications, books to be accessed by researchers.

3.1.4   What are the efforts made by the Institution in developing scientific temper, research culture and aptitude among students?

Ans:

The Institute is focused on impressing the significance of research activities in minds of students. To motivate students towards such activities, college has made provision for funding innovative projects. As a part of developing the research aptitude, faculty and students are encouraged to participate in various seminars & workshops organized by other Institutes. Students are further encouraged to undergo skill development based training programs/activities in various industries. In addition, Institute organizes industrial tour for the students to interact with industrial personnel and to get industrial exposure, which helps them to strengthen their practical capacity.

- UG students are involved both in major and minor projects with innovative ideas as co-curricular activity. The inter college competition is organized on such innovative projects & selected students with higher skills are felicitated with prizes.

- Students are encouraged to interact with resource persons during such events & develop their knowledge for research.

- Students are also motivated to participate in inter Institutes/university level Competitions including vehicle design competition like BAJA SAE INDIA.

- The Institute also gives the required technical support, workshop facility, laboratories and financial support.

- In the department, a cohesive group consists of students and faculty having common interest in domain is formed. This group discusses, interact and share latest information, ideas and technology development in order to strengthen group knowledge. This helps to foster Research & Development in the department.

- Faculty members are more interactive and have positive attitude to share their specialized knowledge with other faculty members & students.

- Institute conducts TECHELONS, a National level mega technical event every year, which organizes various technical competitions involving paper presentation, software& hardware projects, robotics etc.

3.1.5   Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity etc.)

Ans: The Institute has a team of dynamic faculties with potential of excellence in research. Some of the faculty members are involved in research activities at their own. Faculties are involved in guiding UG and PG students in finalizing the topic/area of research, encourage students for research activities, and furthermore participate actively in their own projects. Faculty present their research papers in the conferences. Research activities of faculty are highlighted in the following Table.

Sr. No.	Name of the PI	Department	Research Activity	Specialization area
1	Prof. S. B. Warkad	Electrical Engineering	Guiding 4 Research Scholars of M.E.	Power System
2	Prof. Y. D. Shahakar	Electrical Engineering	Guiding 5 Research Scholars of M.E.	Power System
3	Prof. P. R. Rane	Electrical Engineering	Guiding 5 Research Scholars of M.E	Power System
4	Prof. A. A. Ghute	Electrical Engineering	Guiding 5 Research Scholars of M.E	Power Electronics
5	Prof. V.G. Gore	Mechanical Engineering	Guiding 5 Research Scholars of M.E	Thermal Engineering
6	Prof. R.K. Kulkarni	Mechanical Engineering	Guiding 3 Research Scholars of M.E	Production Engineering
7	Prof. P. S. Ardak	Mechanical Engineering	Guiding 2 Research Scholars of M.E	Production Engineering
8	Prof. S. P. Yeole	Mechanical Engineering	Guiding 6 Research Scholars of M.E	Thermal Engineering
9	Prof. A. S. Shaikh	Mechanical Engineering	Guiding 2 Research Scholars of M.E	Machine Design
10	Prof. G.S. Mahalle	Mechanical Engineering	Guiding 2 Research Scholars of M.E	Thermal Engineering
11	Prof. M.G. Walecha	Mechanical Engineering	Guiding 3 Research Scholars of M.E	CAD/CAM

12	Prof. K.N. Kariya	Mechanical Engineering	Guiding 2 Research Scholars of M.E	Thermal Engineering
13	Prof. R. D. Ghongade	Electronics & Tele. Engg.	Guiding 6 research scholars of M.E.	Digital Image Processing
14	Prof. P. N. Pusdekar	Electronics & Tele. Engg.	Guiding 4 research scholars of M.E.	Digital Image Processing
15	Prof. G. D. Dalvi	Electronics & Tele. Engg.	Guiding 5 research scholars of M.E.	Digital Communication
16	Prof. V.B. Gadicha	Computer Science & Engineering	Guiding 7 research scholars of M.E.	Cloud Computing, Information Security
17	Prof. K.B. Bijwe	Computer Science & Engineering	Guiding 5 research scholars of M.E.	Image Processing
18	Prof. M.S. Burange	Computer Science & Engineering	Guiding 4 research scholars of M.E.	Image Processing
19	Prof. P.B. Sambhare	Computer Science & Engineering	Guiding 4 research scholars of M.E.	Image Processing, Data Mining
20	Prof. K.K.Chhajad	Computer Science & Engineering	Guiding 2 research scholars of M.E.	Networking
21	Prof. D.C. Dhanwani	Computer Science & Engineering	Guiding 2 research scholars of M.E.	Image Processing, Data Mining

Faculties involved in Research projects sponsored by IEDC:

Academic Year 2013-14

Sr. No.	Name of Mentor	Department	Grant (Rs.)	Name of Project
1	Prof. A. A. Ghute	Electrical Engineering	1,00,000/-	Maximum Utilization on Solar Energy Using Inc. Conductance MPPT
2	Prof. D. A. Shahakar	Electrical Engineering	1,00,000/-	House Utility Land Limiting & Control Mechanism
3	Prof. D. A. Shahakar	Electrical Engineering	1,00,000/-	Hybrid Pesticide Pump
4	Prof. D. A. Shahakar	Electrical Engineering	1,00,000/-	Seed Sowing Robot
5	Prof. Amol M. Tembhare	Mechanical Engineering	1,00,000/-	Use of Black Box in Automobile to improve safety of vehicle

Academic Year 2014-15

Sr. No.	Name of Mentor	Department	Grant (Rs.)	Name of Project
1	Prof. Rahul D. Ghongade	Electronics & Telecomm.Engg.	1,00,000/-	Hybrid Solar Cooker
2	Prof. Amit R. Wadnerkar	Civil Engineering	1,00,000/-	Use of Waste Plastic in Flexible Pavement
3	Prof. G. S. Mahalle	Mechanical Engineering	1,00,000/-	Hybrid Moped
4	Prof. D. A. Shahakar	Electrical Engg.	1,00,000/-	Roof Top Wind Generator
5	Prof. Atul A. Ghute	Electrical Engg.	1,00,000/-	Gravity Light

Academic Year 2015-16

Sr. No.	Name of Mentor	Department	Grant (Rs.)	Name of Project
1	Prof. Atul A. Ghute	Electrical Engineering	1,00,000/-	Spring Operated LED Light System
2	Prof. Mohd. Zuhair	Civil Engineering	1,00,000/-	Effect of Fire on Compressing Strength of Concrete
3	Prof. Ganesh S. Mahalle	Mechanical Engineering	1,00,000/-	Solar Thermal Power Plant
4	Prof. S. P. Yeole	Mechanical Engineering	1,00,000/-	Fabrication of LPG Stove Burner with Porous Medium Combustion
5	Prof. Yogita Khair	Electrical Engineering	1,00,000/-	Motorized Personal Transportation Device

Academic Year 2016-17

Sr. No.	Name of Mentor	Department	Grant (Rs.)	Name of Project
1	Prof. Vipin Gawande	Mechanical Engineering	1,00,000/-	Electricity generation for classroom using roof top wind generator.
2	Dr. S. B. Warkad	Electrical Engg	1,00,000/-	Smart power sensor based irrigation system
3	Prof. S. P. Yeole	Mechanical Engineering	1,00,000/-	Design and fabrication of Discicant Air cooling system.
4	Prof. Mohd. Zuhair	Civil Engg.	1,00,000/-	Experimental Investigation of precast beam Colum joined under cyclic loading.
5	Prof. B. R. Mankar	Electronics & Telecommunication Engg.	1,00,000/-	Smart city application for future ready smart society.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes Conducted/ organized by the Institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Ans: Institution organizes workshops, seminars in order to get exposure to the recent technology. Following Table gives detailed information about various workshops, seminars organized in the Institution.

Sr. No.	Department	Name of the Event	Date of the Event
1	Electrical Engg.	Workshop on "Embedded system"	2013-14
2	Mechanical Engineering	Workshop on "The Auto Quotient" with the assistance of Vidisha group, Pune	01/08/2015-02/08/2015
3	Mechanical Engineering	Seminar on "Challenges in Competitive Examination" By Mr. Nitesh Mule, All India 11th rank in IES examination	08/08/2015
4	Electrical Engg.	Workshop on PCB Design.	2015-16
5	Electronics & Tele.Engg.	One day workshop on "MATLAB Integration with Hardware Devices"	24/06/2015
6	Electronics & Tele.Engg.	Two day specialized course on "Research methodology including Mathematical Modeling in Engineering & Technology"	30 & 31st Oct. 2012
7	Electronics & Tele.Engg.	One week training program on "Embedded System"	22/08/2013 to 27/08/2013

8	Computer Science & Engg	Two Days Workshop on Basic concepts of Java and Java Project.	12th and 13th January 2012
9	Computer Science & Engg.	One Day Workshop on Ethical Hacking	28th Aug. 2012
10	Computer Science & Engg.	Three days workshop on Linux Operating System design	18th - 20th Feb 2013
11	Computer Science & Engg.	Two Days Workshop on PHP	8th and 9th Feb 2014
12	Computer Science & Engg.	Workshop on Android Applications Development (30 hours)	07 Aug 2014-30 sep 2014
13	Computer Science & Engg.	One Day workshop on Linux Operating System.	10th October 2014

3.1.7. Provide details of prioritized research areas and the expertise available with the Institution.

Ans:

The Institution has well qualified faculty as experts in various field of technology. Following are the details along with research areas & expertise of different faculty members.

Sr. No.	Name of the staff	Department	Specialization
1	Dr. S. D. Wakde	Science	Material Science and Electronics
2	Dr. S. G. Fale	Mechanical Engg.	Metal matrix nanocomposites
3	Dr. S. B. Warkad	Electrical Engg.	Electrical Power System

3.1.8. Enumerate the efforts of the Institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

Ans: As a new developing Institute, college does not owe a registered research center of the affiliating university. Despite unavailability of a research center, eminent scientists are invited to deliver a talk on their specialized work on various scientific topics to motivate UG/PG students for undertaking research on innovative ideas.

Sr. No.	Name of the Professor / Research scholar / eminent scientists
1.	**Hon. Dr. A. P. J. Abdul Kalam**, Ex-President of India, Eminent Scientist.
2.	**Hon. Dr. Raghunath Mashelkar,**Former Director General, CSIR, New Delhi.
3.	**Hon. Dr. Vijay Bhatkar**, Father of Super Computer
4.	**Hon. Dr. Muhammed Yunus**, Nobel Prize winner, Founder &chairman of Gramin Bank, Bangladesh.
5.	**Hon. Dr. Sujit Bannerji**, Director, Dept. of Science & Technology, Govt. of India.
6.	**Hon. Dr. Tessy Thomas**, Missile women of India, Key Scientist for Agni-V in DRDO, Hyderabad.
7.	**Dr. S. Guruprasad,** Director , R & DE (Engineers), DRDO, Dighi, Pune
8.	**Hon. Dr. Dinesh Keskar**, Vice President, Boing International.
9.	**Hon. Kiran Bedi**, First lady IPS officer.
10.	**Hon. Sanjeev Bambal**, Director, Cognizant Ltd.
11.	**Hon. Sameer Bendre**, Head, Persistent Ltd., Nagpur.
12.	**Hon. Dr. Mohan Khedkar**, Vice Chancellor , SGB Amravati University.
13.	**Hon. Dr. P. M. Khodke**, Director, MSBTE.
14.	**Dr. P. M. Padole**, Dean (Academic), VNIT, Nagpur.
15.	**Hon. Balasaheb Darade**, Entrepreneur & Nano Technologist
16.	**Hon. Dr. Suresh Naik**, Ex-group director, ISRO.
17.	**Dr. Dinesh Amalnerkar**, Ex-Director, Centre for Material of Electronic Technology, Government of India, Pune.
18.	**Dr.P. P. Bedekar, Govt. College of Engg., Amravati**
19.	**Dr. B. N. Jajoo, Ex- Principal, G. H. Raisoni, Nagpur**
20.	**Dr. S. M. Kherde, Principal, KGIT, Darapur**
21.	**Dr. P. V. Ingole, Principal, G. H. Raisoni, Amravati**
22.	**Dr. M. S. Ali, Principal, PRMIT&M, Amravati**
23.	**Dr. A. B. Marathe, Principal, HVPM's COE, Amravati**
24.	**Dr. J. P. Modak, Dean(R&D), PCE, Nagpur**

3.1.9. What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Ans:

Institute encourages Principal investigator by giving special casual leave, reduced teaching load, time-off for research progression. However, no faculty member has applied for Sabbatical Leave.

3.1.10. Provide details of the initiatives taken up by the Institution in creating awareness/advocating/transfer of relative findings of research of the Institution and elsewhere to students and community (lab to land)

Ans:

Students use professional society platforms (IEEE, ISTE, IETE, CSI, SAE) to explore technology development to society. Institute organizes project exhibition, research poster competition and invites the school students and common person.

Institutes organize training programs on Robotics, Android phones, and minor projects in villages and small towns.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

Ans.: Institute has a financial provision for research in the annual budget. These funds are utilized for high-end equipment, internet facility and e-journals as per the demand of the research scholars. The details of equipments, software that regularly used in research, projects, etc. are as follows.

Department	Year	Equipment/ Software	Cost (in Rs.)
Electronics & Telecommunication Engg.	2014-15	MIC Trainer,	1,62,691/-
	2011-12	MATLAB software (Modeling & Simulation tool)	4,60,018/-
	2011-12	Micro-wind software	1,87,000/-

	2015-16	PLC trainer kit	34,143/-
Electrical Engg.	2012-13	Relay testing kit	63,000/-
	2012-13	Transformer protection simulation panel	1,58,400/-
Computer Science & Engineering	2014-15	Rational Rose suit enterprises	3,30,000/-
Mechanical Engg.	2013-14	CATIA Software	5,50,000/-
Civil Engg.	2013-14	Universal Testing Machine	7,50,000/-

For the enhancement of research activity, institute has provided very good library facility with good resources such as E-Journals, Print journals, Magazines and periodicals. These resources are extensively used by faculty members and students in their research work.

Expenditure Details of Library on Journals/ Periodicals and e- resources are as below.

Library Holdings	2012-13		2013-14		2014-15		2015-16	
	No.	Total Cost (Rs)	No.	Total Cost (Rs)	No.	Total Cost (Rs)	No.	Total Cost (Rs)
Reference Books	3206	13,50,035/-	2390	11,24,985/-	1833	9,61,186/-	1389	7,06407/-
Journals/ Periodicals	93	1,93,000/-	94	2,44,139/-	105	3,02,489/-	105	2,95,422/-
e-resources	02	2,37,471/-	10	13,87,500/-	--	--	02	8,06,360/-
Total		17,80,506/-		27,56,624/-		12,63,675/-		18,08,189/-

3.2.2   **Is there a provision in the Institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

Ans: Institute encourages research culture and provides financial assistance to faculty members for various research activities like registration fees for participating in conferences and workshops. In addition, Fund is made available by the Institute to conduct faculty development program and training programs related to research.

Institution provides seed money for innovative research projects on their merit through IEDC. Amount disbursed to Principal Investigator for the research purpose by the Institute through IEDC during last four years is as given below.

Academic Year 2013-14

Sr. No.	Name of Project	Department	Grant (Rs.)	Name of Mentor	Name of Students
1	Maximum Utilization on Solar Energy Using Inc. Conductance MPPT	Electrical Engineering	1,00,000/-	Prof. Atul A. Ghute	Mr. ChaitanyaMankar Ms. PallaviBedekar Ms. VishakhaShahakar Ms. M Khandelwal Mr. AbhishekhSangole
2	House Utility Land Limiting & Control Mechanism	Electrical Engineering	1,00,000/-	Prof. Deepak A. Shahakar	Mr. RohitKhedkar Mr. ParagAjane Mr. AniketDeotale Mr. MangeshKotwal Mr. KushalKokate
3	Hybrid Pesticide Pump	Electrical Engineering	1,00,000/-	Prof. Deepak A. Shahakar	Mr. Pravin S. Wankhade Mr. SatishKahole Mr. KuldeepHande Mr. AkashThakare Mr. GauravVyas
4	Seed Sowing Robot	Electrical Engineering	1,00,000/-	Prof. Deepak A. Shahakar	Mr. Rahim J. Sheikh Mr. Taufique H. Baigh Mr. U. K. Adhau Ms. Prachi A. Jogi Ms. Rupali A. Bodkhe
5	Use of Black Box in Automobile to improve safety of vehicle	Mechanical Engineering	1,00,000/-	Prof. Amol M. Tembhare	Mr. Sanket Dixit Mr. S. Nandurkar Mr. Sameer Khirpurikar Mr. Girish J. Kale Mr. Sachin S. Rathi

Academic Year 2014-15

Sr. No.	Name of Project	Department	Grant (Rs.)	Name of Mentor	Name of Students
1	Hybrid Solar Cooker	Electronics & Telecommunication Engg.	1,00,000/-	Prof. Rahul D. Ghongade	Mr. Lobhesh D. Yeul Mr. Pankaj D. Bais Mr. S R. Suramwar Ms. Kalyani R. Mandlik Ms. Dipika R. Golhar
2	Use of Waste Plastic in Flexible Pavement	Civil Engineering	1,00,000/-	Prof. Amit R. Wadnerkar	Mr. Bhushan A. Ingle Mr. Himanshu Mane
3	Hybrid Moped	Mechanical Engineering	1,00,000/-	Prof. Ganesh S. Mahalle	Mr. Ajinkya Pradhan Mr. Amol Bhatkar Mr. Avinash Tonde Mr. Amol Bhawsar Mr. Pankaj Bochare
4	Roof Top Wind Generator	Electrical Engineering	1,00,000/-	Prof. Deepak A. Shahakar	Mr. Govind Sharma Mr. Nikhil Shingolkar

Sr. No.	Name of Project	Department	Grant (Rs.)	Name of Mentor	Name of Students
					Mr. Akash D. Kalanke Mr. Gaurav S. Jaware Mr. Sainath P. Nilawar
5	Gravity Light	Electrical Engineering	1,00,000/-	Prof. Atul A. Ghute	Mr. Ajinkya D. Parate Mr. Anant N. Pachpor Ms. Kimaya V. Samarth Mr. Nilesh R. Meshram Mr. Sajid Baig Mr. Pradip V. Patil

Academic Year 2015-16

Sr. No.	Name of Project	Department	Grant (Rs.)	Name of Mentor	Name of Students
1	Spring Operated LED Light System	Electrical Engineering	1,00,000/-	Prof. Atul A. Ghute	Mr. Saket Mishra Mr. Krunal Dhole Mr. Dipanshu Thote Mr. Vaibhav Vaidhya Mr. Satish Jadhav Mr. Pawan Bokade
2	Effect of Fire on Compressing Strength of Concrete	Civil Engineering	1,00,000/-	Prof. Mohd. Zuhair	Ms. Anjushri Kurade Mr. Salman Shaikh Ms. B. Wadatkar Mr. Mohan Kemdhale Mr. Sagar Solao Mr. Pranav Patil Mr. Shubham Kalpande
3	Solar Thermal Power Plant	Mechanical Engineering	1,00,000/-	Prof. Ganesh S. Mahalle	Mr. Jivan Munde Mr. Pwan Banbakode Mr. Trunal Dongare Mr. Abhishek Sangole Mr. Shubham Agrawal Mr. Mayur Chore
4	Fabrication of LPG Stove Burner with Porous Medium Combustion	Mechanical Engineering	1,00,000/-	Prof. S. P. Yeole	Mr. Lokesh S. Zarbade Mr. A. K. Upadhye Mr. Yash R. Kantode Mr. Rohit N. Girhepunje Mr. Bhavesh M. Ingle Mr. Sandip S. Bhombe
5	Motorized Personal Transportation Device	Electrical Engineering	1,00,000/-	Prof. Yogita Khair	Mr. Nikhil Shingolkar Mr. Gaurav Jawre Mr. Govindkumar Sharma Mr. Sainath Nilawar Mr. Akash Kalanke

3.2.3   What are the financial provisions made available to support student research projects by students?

Ans:

The College makes financial support available to the students for research project on need basis and on justification & merit level. The Institution has facilities like computers, access to internet & printer for UG & PG students of all branches for their research projects.

- All the departmental laboratories are equipped with latest equipments, computers with internet facilities which remains open from 10.30 am to 5.30 pm for accessing. Any staff member or student desirous to work after 5.30 pm can also avail the facilities for their research work.

- Institute motivates students to participate in the events such as BAJA (SAE) & various technical events held at different locations in India. Institute had funded registration of team for Virtual BAJA Competition organized by SAE India at Chitkara University, Chandigarh.

3.2.4   How does the various departments/ units/ staff of the Institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Ans:

The research committee identifies the interdisciplinary areas of research based on facilities available in the Institute. The HoDs & concerned faculty regularly interact to explore the interdisciplinary areas for research.

Sr. No.	Name of the Principal Investigator.	Branch	Research Topic	Related interdisciplinary field / Dept
1	Prof A K Chitkeshwar	Hydraulics Engg	Hydraulics Analysis of Gabian stepped spillway and the effect of baffles walls on the silts	Mechanical Engg
2	Prof. R. D. Ghongade	Electronics and Tele.Engg.	Artificial intelligence based diagnosis of breast cancer	Biomedical Engineering.
3.	Prof. G. D. Dalvi	Electronics and Tele.Engg.	Development of Visual Cryptography Technique for Authentication of Facial Images	Computer Science & Engineering
4	Prof. G. P. Borkhade	Electronics and Tele.Engg.	Eye disease diagnosis using Soft computing approach	Biomedical Engineering.

3.2.5   How does the Institution ensure optimal use of various equipments and research facilities of the Institution by its staff and students?

Ans:

Institute prepares the documents detailing names of equipment, its specifications, its possible uses, location and related interface as well as Library resources. This detailing is carried out for major equipments. The document is circulated to staff and students, so that they can plan their research activities. The Time Table of labs is also notified to all.

If required additional slots are provided. The major projects are divided in module and team leader is appointed to coordinate the project. Students are given free access to use all the central facilities and various labs across various Departments and Machine Shops during and beyond working hours.

Following research facilities are available in the Institute.

Sr. No.	Name of the Equipment and research facilities available	Usage of the facility by its staff and students
1	Microwave test bench	To analyze the behavior of EM field, to study the characteristics of reflex klystron and Gunn diode
2	MATLAB(Modeling & Simulation tool)	To analyze and simulate the various models.
3	MIC Trainer	To find return loss, transmission loss, S-parameters of microwave integrated circuit components.
4	Universal Testing Machine (Capacity: 100T)	To study the strength of material viz. compressive, tensile
5.	IBM Rational Rose software	Use to plot UML diagrams.
6.	CATIA Software	To design machine parts.

3.2.6: **Has the Institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If "yes", give details.**

*Ans***:** Yes, Institute has received some grants and finances from Department of Science & Technology, Government of India, New Delhi for developing Innovative Entrepreneur Development Cell (IEDC) to promote research activity in the Institute. Institute received Rs. 20, 00,000/- for research projects until date.

3.2.7 **Enumerate the support provided to the faculty in securing research funds from various funding agencies, industries and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.**

Ans:- Faculty in securing research funds from various funding agencies, industries and other organizations are as follows:

Nature of Project	Duration Year From-To	Title of Project	Name of the funding agency	Total Grant		Total Grant received till date
				Sanctioned	Received	
Student Research	**2013-14**	Maximum Utilization on Solar Energy Using Inc. Conductance MPPT	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	**5,00,000/-**
		House Utility Land Limiting & Control Mechanism	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Hybrid Pesticide Pump	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Seed Sowing Robot	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Use of Black Box in Automobile to improve the safety of vehicle	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
	2014-15	Hybrid Solar Cooker	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	**5,00,000/-**
		Use of Waste Plastic in Flexible Pavement	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Hybrid Moped	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Roof Top Wind Generator	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Gravity Light	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	

	2015-16	Spring Operated LED Light System	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	5,00,000/-
		Effect of Fire on Compressing Strength of Concrete	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Solar Thermal Power Plant	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Fabrication of LPG Stove Burner with Porous Medium Combustion	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Motorized Personal Transportation Device	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
	2016-17	Electricity generation for classroom using roof top wind generator.	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	5,00,000/-
		Smart power sensor based irrigation system	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Design and fabrication of Discicant Air cooling system.	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Experimental Investgation of precast beam coloum joind under cyclic loading.	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	
		Smart city application for future ready smart socity.	IEDC, DST, New Delhi	1,00,000/-	1,00,000/-	

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Ans.:

- Internet facility is available for students and faculties.

- Application software is available for research/Project activities.

- Institute has more than 850 video lectures having size to approx. 130 GB under NPTEL prepared by various IITs.

- For the enhancement of research, institute has provided rich library facility with good resources such as e-Journals, Print journals, Magazines and periodicals. Faculty members and students extensively use these resources for their research work.

- Faculties are promoted for their Ph. D and research work in other reputed Institutes.

- Each department has a separate project lab. Project labs and faculties are available to students beyond the working hours of college, if needed. The major equipments/software which can be used for research are as follows:

Department	Year	Equipment/ Software	Cost (in Rs.)
Electronics & Telecommunication Engg.	2014-15	MIC Trainer,	1,62,691/-
	2011-12	MATLAB software (Modeling & Simulation tool)	4,60,018/-
	2011-12	Micro-wind software	1,87,000/-
Electrical Engg.	2015-16	PLC trainer kit	34,143/-
	2012-13	Relay testing kit	63,000/-
	2012-13	Transformer protection simulation panel	1,58,400/-
Computer Science & Engineering	2014-15	Rational Rose suit enterprises	3,30,000/-
Mechanical Engg.	2013-14	CATIA Software	5,50,000/-

3.3.2   What are the Institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

Ans.:

- The Institute has budget allocated for R&D based infrastructural facilities viz. procurement of equipments with recent technology, upgrading available resources to cope up with advanced technologies.

- Institute initiates research programs and deputes faculty for such programs. Such facilities are available for students at UG and PG levels.

- Books & journals facilitating research in concerned subjects are purchased according to the recommendation of departments.

- Institute conducts skill based training programs for students to enhance project and research capabilities.

- Grants received from IEDC for research projects are made available to the students for carrying out their research activities.

3.3.3   Has the Institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If "yes", what are the instruments / facilities created during the last four years?

Ans.:

- Institute is taking efforts to receive grants from various agencies for developing research facilities.

- Institute has received some grants and finances from Department of Science & Technology, Government of India, New Delhi for developing Innovative Entrepreneur Development Cell (IEDC) to promote research activity in the Institute.

- Based on the grants received project development facility, enrichment of library etc. are created for entrepreneurship development.

3.3.4   What are the research facilities made available to the students and Research scholars outside the campus / other research laboratories?

Ans.:

- Institute encourages students and research scholars to visit different lab for research purpose by providing leaves and other facilities.

- Institute motivates students for doing projects in industry.

- Institute arranges the industrial visits every year.

- Institute sponsors students for participating in technical competitions, exhibitions on national level.

- MoUs are signed with industries to facilitate research and project activities.

The faculty members of Institute are utilizing the research laboratories outside the campus for their research work. Following Table gives the information about the same.

Sr. No.	Name of the Principal Investigator	Research Laboratory
01	Prof. M. Zuhair	Department of Civil Engineering, College of Engineering & Technology, Akola
02	Prof. P. R. Wadnerkar	Department of Mechnical Engineering, Government College of Engineering, Amravati
03	Prof. A. W. Mahore	Department of Mechnical Engineering, Government College of Engineering, Amravati
04	Prof. G. D. Dalvi	Department of Applied Electronics, Sant Gadge Baba Amravati University
05	Prof. R. D. Ghongade	Department of Electronics & Telecommunication Engg., Prof. Ram Meghe Institute of Technology & Research, Amravati.
06	Prof. V. B. Gadicha	Department of Computer Science & Engineering, College of Engineering & Technology, Akola
07	Prof. G. P. Borkhade	Department of Applied Electronics, Sant Gadge Baba Amravati University
08	Prof. Anup Chtkeshwar	Department of Civil Engg., Government College of Engg., Amravati
09	Prof. A. B. Dakre	Govt. Vidarbha Mahavidyalaya, Amravati

3.3.5   Provide details on the library/information resource centre or any other facilities available specifically for the researchers?

Ans.:

- Institute has Central as well as departmental libraries. These are available to researchers.
- Library has good references and National and International journals.
- Institute has membership of IEEE, ASME, CSI, ASCE etc.
- Institute library provides free access to e-journals of science direct and IEEE research publications to the students.
- Printer & reprography facilities are available in library.

Number of Print journals/periodicals/magazines/e-journals available in the Library is as follows:

Sr. No.	Year	No. of print Journals	No. of International Journals(Print)	Magazines	Total No. of Periodicals	No. of E-Journals
1	2012-13	59	34	-	-	-
2	2013-14	69	35	-	-	10
3	2014-15	65	40	-	-	10
4	2015-16	65	40	--	--	02

3.3.6   What are the collaborative research facilities developed/created by the research Institutes in the College. For ex. Laboratories, library, instruments, computers, new technology etc.

Ans.:

- Institute continuously makes effort to collaborate with research institutes of national and international repute.
- Institute has signed a MoU with **Syntego Global IT Systems Pvt. Ltd., Pune.**
    The objective of this MoU is:
    - To promote interaction between Company and PRPCEM in mutually beneficial areas.
    - To provide a formal basis for initiating interaction between company and PRPCEM.

- Department of Electronics & Telecommunication Engineering has signed a MoU with **MDB Electrosoft, Amravati** for training of the students to make them proficient in the embedded system & to provide the work on live projects.

- Department of Computer Science & Engineering has signed a MoU with **NNSC & E-cell, IIT, Kanpur** and **Axiom Solution Pvt. Ltd., Nagpur**for training of the students to make them proficient in the software development & to provide the work on live projects.

- Department of Mechanical Engg.has signed a MoU with **Indo-GermanTool Room,Aurangabad** for skill development training & to provide projects.

- Department of Electrical Engineering has signed a MoU with **Autosys, Indore, Kothari Power, Amravati, MDB Electrosoft, Amravati** for training of the students to make them proficient in the Automation, embedded system, power system& to provide the work on live projects.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product) Original research contributing to product improvement Research studies or surveys benefiting the community or improving the services, Research inputs contributing to new initiatives and social development.

Ans:

Institution is proud to state that the research carried out by faculty members is aimed at benefiting the community in various modes. The student research carried out by the Department of Mechanical Engineering, on development of vehicle (ATV) for **BAJA** Competition by SAE, India is noteworthy contribution to the community & social development. Some of the students have brought laurels to the institution for their projects, which got recognition in national level competitions.

Following faculty & students involved in Active Research work in the area of social development, improving the community services.

Major research achievements of the staff:

Name of Faculty/ Student	Department	Research Topic	Remark
Dr. S. D. Wakde	Science	Study of lithium borate glasses from solid electrolyte point of view.	Completed
Dr. S. G. Fale	Mechanical Engg	Synthesis and Mechanical properties evaluation of Al-AlN metal matrix nanocomposites	Completed
Dr. Ramakant Ingole	Civil Engg.	Adsorptive Removal of Phenol from Aqueous Solution using Low cost Adsorbeats.	Completed
Dr. S. Warkad	Electrical Engg	Transmission pricing, AI based OPF.	Completed
Dr. Vipin Gawande	Mechanical Engg.	Effect of rib shape on thermo hydraulic performance of roughened solar air heater	Completed
Prof. R. D. Ghongade	Electronics and Telecommunication Engineering	Artificial intelligence based diagnosis of breast cancer	In progress
Prof. G. D. Dalvi	Electronics and Telecommunication Engineering	Development of Visual Cryptography Technique for Authentication of Facial Images	In progress
Prof. G. P. Borkhade	Electronics and Telecommunication Engineering	Eye disease diagnosis using Soft computing approach	In progress
Prof. V. B. Gadicha	Computer Science & Engineering	Research Domain in Information Security	In progress
Prof. M. Zuhair	Civil Engg.	Effect of Elevated Temperature & cooling Regime on the properties of Concrete.	In progress
Prof. P. R. Wadnerkar	Mechanical Engg	Supply chain Management	In progress
Prof. P. S. Ardak	Mechanical Engg	Formation of economic production quantity model for integrated inventory control	In progress
Prof. N. R. Thakre	First year Engg.	Study and characterization of high temperature phase	Completed

		of Lithium sulphate.	
Prof. N. Kalambe	First year Engg.	Studies of viscosity and thermo acoustic parameters in binary mixture of two hydroxyl substitute chalcone dibromide and quinoxaline with different diluents at different temperature and their effect on crop plant growth.	Completed
Prof. A. B. Dakre	First year Engg.	Investigation of properties of PVCPMMA polymer.	In progress
Prof. M. M. Gupta	First year Engg.	Synthesis of Chitosan grafted copolymer composite with some carboxylic acid.	In progress

3.4.2 **Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

Ans:

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions **International conference on Recent Trends in Science and Engineering (ICRTSE-2015)** on 27th and 28th Nov. 2015 in association with **Institute for Research & development India**.

All the selected papers presented in the conference are published in

1. International Journal of Applied Engineering Research (IJAER)

2. Anna University – Annexure –II Journal [Scopus Indexed]

3. International Journal on Advanced Computer Theory and Engineering (IJACTE) - ISSN (Print): 2319-2526.

4. International Journal on Theoretical and Applied Research in Mechanical Engineering (IJTARME)-ISSN (Print): 2319-3182.

5. ITSI Transactions on Electrical and Electronics Engineering (ITSITEEE) - ISSN (Print): 2320-8945.

6. International Journal on Mechanical Engineering and Robotics (IJMER) - ISSN (Print): 2321-5747.

7. International Journal on Research and Development – A Management Review (IJRDMR)- ISSN (Print): 2319–5479.

8. International Journal of Recent Advances in Engineering & Technology (IJRAET) - ISSN (Online): 2347-2812.

9. International Journal of Electrical, Electronics and Computer Systems (IJEECS) - ISSN (Online): 2347-2820.

10. International Journal on Advanced Computer Engineering and Communication Technology (IJACECT) : ISSN (Print): 2278-5140.

3.4.3 **Give details of publications by the faculty and students: Publication per faculty Number of papers published by faculty and students in peer reviewed journals (national / international) Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

➢ **Monographs**

➢ **Chapter in Books**

➢ **Books Edited**

➢ **Books with ISBN/ISSN numbers with details of publishers: "Investigation of**

➢ **dual Fuel diesel Engine with hydrogen and LPG Fuel", By Prof. D. B. Laata,**

➢ **ISBN/ISSN: 978-3-659-15025-8, LAMBERT Publication Germany.**

➢ **Citation Index: 66**

➢ **SNIP:**

➢ **SJR:**

➢ **Impact factor: 24**

➢ **h-index: 5**

Ans:

Several faculty members are actively involved in research & project work in their respective domains and contributing to scientific community by publishing their research finding in reputed National and International journals. The number of papers published in the last four years are:

Department	International Journal	National Journal	International Conference	National Conference
Mechanical Engineering	35	03	07	09
Electronics & Telecom. Engineering	27	00	01	08
Electrical Engineering	52	10	23	39
Computer Engineering	218	11	72	37
First Year	44	08	06	22
Civil Engineering	10	00	06	09
MCA	05	00	17	08
MBA	33	46	73	

Books Publications

Name of Faculty	Title of Book	Publisher's Name	ISBN Number
Dr. S.D. Wakde	Engineering Physics	SSGMCE Publications	81-902900-02
	Electronic Devices & Technology	SSGMCE Publications	--
	Electromagnetic field	DnyanPath Publication	In process
Dr. P. R. Wadnerkar	Engineering Drawing	DnyanPath Publication	978-81-931863-3-6
Dr. N. R. Thakre	Engineering Physics	DnyanPath Publication	978-81-931863-1-2
Dr. G. B. Malviya	Engineering Mathematics-I	DnyanPath Publication	978-81-931863-0-5
Dr. G. B. Malviya	Engineering Mathematics-II	DnyanPath Publication	978-81-931863-4-3
Dr. A. D. Bhoyar	Engineering Chemistry	DnyanPath Publication	978-81-931863-5-0

List of the published research papers by Faculty Members with Citation and h-Index

Sr. No.	Name of Faculty	Citation Index	h-Index
1	Dr. Sandeep Fale	20	03
2	Dr. Sanjay Warkad	06	--

List of the published research papers journals with Impact Factor

Sr. No.	Name of Journal	Impact Factor
1	Transactions of the Indian Institute of Metals (Springer)	0.25 - 0.615
2	Journal of alloy and Compounds (Elsevier)	2.726
3	Journal of Composite Materials (Sage Publication)	1.257
4	International Journal in Mechanical Engineering	1.95
5	International Journal of Engineering Reasearch & Application	1.69

6	International Journal of Engineering Reasearch & Technology	3.78
7	International Journal of Modern Engineering Research	1.32
8	VSRD International Journal	3.75
9	International Journal of Mechanical Engineering Applications Research	3.71
10	International conference on advances in civil & Mechanical Engineering systems	2.37
10	International Journal of Engineering & Applied Sciences	2.11
11	International Journal of Engineering Research & Technology	3.78

3.4.4 Provide details (if any) of

➢ **Research awards received by the faculty.**

➢ **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally.**

➢ **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

Ans.:

The details are as follows

Sr. No.	Name of Faculty	Department	Recognition, Organization	Year
1	Prof. Dr. S. G. Fale	Mechanical Engg.	Best Paper Award 99th Indian Science Congress, Bhubaneswar.	2012
2	Prof. S. P. Bhonge Prof. G. P. Borkhade	Electronic & Telecom. Engineering	Best Paper Awards ICETE2012	2012
3	Prof. A. U. Trivedi	Electronics and Telecommunication Engineering	Best Teacher Award - Techelons 2012.	2012
4	Prof. A. D. Lonare	Computer Science & Engineering	Best Paper Award	2014
5	Prof. M. S. Burange	Computer Science & Engineering	Best Teacher Award	2012

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Ans. : The institute was established in the year 2009. The institute has formed the industry-institute interaction cell.

Objective of Industry-Institute Interaction Cell:

- Liasoning with R & D organization and industry for knowledge sharing.
- To bridge gap between institute and industry.
- To arrange expert lecturers of eminent personalities.
- To enhance inherent skill of faculty by arranging visits to industry.
- To get acquainted with practical or real world problems.
- To get acquainted with industry requirement, process, managerial skills.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Ans.: The Institute has policy of sharing its labs, information resources and faculty expertise for the benefit of society and industries. The Institute provides the information of the same to the all concerned. Institute has IEDC cell, which also assists to advocate and publicize the expertise available with the Institute. Institute encourages the faculty and non-teaching staff to develop the in house experimental set ups. It supports the staff to give the consultancy for the same.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

Ans: The Institute encourages its staff for utilization of all its human resources and available facilities in the campus to enhance their relationship with industries/companies to improve the ties between the two in a very flexible manner by which the consultancy services get a boost.

- The college motivates the professionally qualified faculty to utilize their expertise for consultancy services with the permission of the Institute.

- Institute provides facilities and seed money to carry out the consultancy. Institute deputes the staff for industrial training where they can find the potential for consultancy.

3.5.4   List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Ans.:

- TCS conducted exams like IIM CAT, GATE, IBPS etc. along with department of Computer Science &Engineering of the Institute and revenue of approximately Rs. 25, 00,000/- were generated in the last four years.
- Also some other exams for various posts are conducted by the Institution and the revenue generated of approximately Rs. 5, 00,000/-.

3.5.5   What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Ans.:   Institute offers consultancy in two categories namely major and minor. For the major work, Institute shares the income generated through consultancy for faculty: staff involved: Institution. In minor cases, it is treated as honorarium for the concerned faculty. In some cases, it is on reciprocatory basis.

3.6   Extension Activities and Institutional Social Responsibility (ISR)

3.6.1   How does the institution promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Ans:

Institute aims to achieve its goals of providing quality education to all. The major strength of this college is its ability to ensure holistic development of students to make them enlightened citizens. The college is an ''equal opportunity'' institution established to provide knowledge and quality education to all sections of society. It aims to maintain modern outlook with contemporary developments without compromising moral values.

To provide knowledge and quality based education to the students by inculcating moral values, scientific temper and employing state of the art technologies. It aims to pursue excellence towards creating work force with high degree of intellectual, professional and cultural development to meet the national and global challenges.

The Institute is conscious of its role in campus-community connection, wellbeing of its neighborhood and has initiated number of community development activities.

The Institute greatly appreciates its social responsibility and promotes student engagement, contributing to good citizenship, service orientation and holistic development of students through a large number of youth development activities which are undertaken by NSS. NSS Unit of the Institute periodically arranges Blood donation camp, free Medical Checkup camps, tree plantation, and Traffic Awareness. Computer awareness program are also organized for school students. Playground is also permitted to neighboring communities on weekend, conducting flag hoisting on national days.

SPORTS ACTIVITIES

Gymkhana is available for the students for Indoor and outdoor games.

NSS ACTIVITIES

National Service Scheme (NSS) has been playing a Vital role in enriching the souls & minds of students of the college since long time. NSS unit of 50 students was granted in 2011, now total 100+ students are registered as NSS volunteers.

Every year Blood Donation camp, tree plantation, Health checkup camp, youth convension, water conservation, environment awareness, National Integration programme & other programme like Swachh Bharat Abhiyan, National Flag Day, National Unity Day are arranged under NSS. Special camp is arranged every year in nearby village for understanding the life of villagers. The overall objective of this scheme is "Education & Service to the community, by the community"

P. R. Pote Patil College of Engineering & Management, Amravati.

3.6.2 **What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?**

Ans: Over the years, Institution has built a fine and well tuned mechanism of highly motivated faculty and students, which coordinate all social activities for effective participation by maximum number of students. The mechanism consist of following measures: A faculty member is appointed as overall in-charge for a program that coordinates student response from all departments. Every branch has a corresponding branch in-charge who is responsible for coordinating such activity within the branch. Every activity has a large number of student volunteers who actually supervise and run the program under guidance of faculty. In addition to above, Institute takes feedback from the social organization and other related elements about involvement of students in social activities. Students submit certificates and attendance of participation in social activities to Institute. University also has its own mechanism to monitor NSS and Earn & Learn activities. Teacher Guardian also collects information from the concerned students. Institute tracks the articles of students published in newspapers.

Self Employment for Women's Accession (SEWA)

Institution runs this project with strong social base. We look forward for employment of women and needy people, so that they can survive better. Institute focuses on improvement of society, Education & health. This project was inaugurated on January 2013 at the hands of Hon. Dr. Mohammad Yunus, Nobel Prize Winner & father of Microfinance of Bangladesh. Under this project, Entrepreneurship training programs are organized for women in various categories.

Self Employment for Women's Accession (SEWA). " A Social Activity "

Project was inaugurated on January 2013 at the hands of Hon. Dr. Mohm. Yunus, Nobel prize winner and Father of Microfinance of Bangladesh. Under this project, Entrepreneurship training programs are arranged for women's in various categories.

P.R.Pote Patil college of engineering & management run this project with strong social base, college looks forward for employment of women & needy people so that they can survive better. College focuses on improvement of society, Education and health.

Training of tailoring & chemical product manufacturing is provided to women. Till date 4600 womens have taken advantage of this facility for betterment of their families. Team of 6 members works for this project. Many women from Amravati city along with rural areas like Rahatgaon, Kathora, Bandera, Reovasa have been trained under this project.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

Ans:

The Institute has evolved a stakeholders' web by forming different platform like Research Committee, Alumni, Teacher Guardian scheme, and representation of Students. The IQAC considers feedback collected from the entire stakeholders to prepare perspective on development. **This development perspective is discussed in the respective committee meetings.** The reflection of the meeting is incorporatedin the plan. The management has developed evaluation tools for stakeholders to record their opinion, suggestions and objection for constructive developments for future. Institute is highly concerned with its stakeholders who include students, parents, staff, and alumni.

Students:

Every class consists of one class representative and one girl representative. He/She communicates students' requirements and problems to the respective class teacher/ Head of Department/ Principal. Suggestion / Complaint box is placed at various places on the campus, which are accessible to students. Students have the freedom to approach Principal & Head of Departments during working hours without prior appointment.

Parents:

Teacher/ Head of Departments/ Principal interact with guardians regularly. They are informed about their wards' academic performance and attendance records through meetings, letters and phone calls. Direct interaction of the guardians with the HoD is also encouraged. Opinion of parents is considered and valued with respect to various aspects such as planning of industrial visits, cultural programs etc. Parents of any student are allowed to meet the teachers, Coordinators and Principal on any day of the week at any time to make any suggestions or complaints.

Staff:

We have regular staff meetings to keep the staff updated about changes and developments of the Institute. College council of the Institute conducts two meetings in every academic year   to discuss and resolve the issues related with staff. Most of the decisions are taken only after consultation with the staff during staff meeting & solved.

Alumni:

The Institution has formed an Alumni Association, well monitored by a Professor In-Charge. The association organize meetings and has regular formal and informal interactions.

The Institution has constituted P.R.POTE (PATIL) Alumni Foundation to organize and support the alumni activities of various institutions. P. R. POTE (PATIL) Alumni Foundation is a registered body. Every year, alumni meet in "Footprints" function being organized to come together and share their ideas. Alumni have provided some good suggestions and constructive criticism during alumni meet.

(**ALUMNI MEET PHOTOS 2014-15**)

(ALUMNI MEET: 2014-15)

3.7 Collaboration

3.7.1 Details of the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – Collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

Ans.:   Details of the departmental collaboration and interaction with research laboratories, institutes and industry for research activities.

Sr. No.	Name of Faculty	Research Topic	Research Lab
1.	Prof. M. Zuhair	Effect of fire on compressive strength of normal &self compacting concrete.	Department of Civil Engineering, College of Engineering & Technology, Akola
2	Prof. P. R. Wadnerkar	Supply chain Management	Department of Mechanical Engineering, Government College of Engineering, Amravati
3	Prof. R. D. Ghongade	Artificial Intelligence Based Diagnosis of Breast Cancer	Department of Electronics & telecommunication Engg., Prof. Ram Meghe Institute of Technology & Research, Amravati
4	Prof. G. P. Borkhade	Eye disease diagnosis using Soft computing approach	Department of Applied Electronics, Sant Gadge baba Amravati University, Amravati

5	Prof. P. S. Ardak	Formulation of economic production quantity model for integrated inventory control.	Department of Production Engg C.O.E.T., Akola
6	Prof. G. D. Dalvi	Development of Visual Cryptography Technique for Authentication of Facial Images	Department of Applied Electronics, Sant Gadge baba Amravati University, Amravati
7	Prof. V.B. Gadicha	Research Domain in Information Security	Department of Computer Science & Engineering, Shivaji Shikshan Sanstha, College of Engineering & Technology, Akola
8	Prof. Anup Chtkeshwar	Gabion weir with self flushing system	Department of Civil Engg., Government College of Engg., Amravati
9	Prof. A. B. Dakre	Investigation of properties of PVCPMMA polymer.	Govt. Vidarbha Mahavidyalaya, Amravati
10	Prof. M. M. Gupta	Synthesis of Chitosan grafted copolymer composite with some carboxylic acid.	Govt. Vidarbha Mahavidyalaya, Amravati

3.7.2   Details of the MoUs/ collaborative arrangements (if any) with institutions of national importance/ other universities/industries/ Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Ans: Following table shows the details of MoUs with Industries.

Sr. No.	Department	Name of Industry	Subject / Field of MOU	Date of MOU	Period of MOU
01	PRPCEM	Syntego Global IT Systems Pvt. Ltd., Pune	Corporate Induction training Program (CITP)	08/01/2016	One year
02	Computer Science & Engg.	NNSC & E-Cell, IIT, Kanpur	Cloud computing	27/01/2016	One year
03	Computer Science & Engg.	Axiom Softech pvt. Ltd	Computer Network security	4/11/2015	Two years
04	Mechanical Engg.	Indo-German Tool Room, Aurangabad	Skill development training	20/06/2015	One year
05	Electronics & Telecommunication Engg.	MDB Electrosoft, Amravati	Training of embedded system, IOT& to provide the projects.	18/02/2016	One year
06	Electrical Engineering	**i)** Kothari Power Ltd., Amravati	Technological Sharing, Industrial Training and Project.	2015-16	One year
		ii) Autosys, Indore	Technical Sharing, Placement and Project	2015-16	One year
		iii) MDB Electrosoft, Amt.	Technical Sharing, Project	2015-16	One year

3.7.3   Details of the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/ library/ new technology/ placement services etc.

Ans.:

Institute establishes interactions with industries and other organizations through T& P cell and I.I.I. cell. Through these cells, Institute has succeeded in establishing industry-institution-community interactions resulting in several benefits. Guest lectures of industry personnel are arranged. Industry based projects are taken by students. In addition, every year Industrial visits in India and abroad are arranged for the students. Following Table shows details of Industrial visits.

Year	Department	Company Visited	Place of Visit	No. of Students
2012-13	Electronics & Tele.Engg.	Hartron	Chandigarh	46
		Telecoma	Chandigarh	46
	Mechanical Engg.	Jadhao Gears	Amravati	40
		Cheema Boilers & Bhushan Steel	Chandigarh	35
	Electrical Engg.	RAC, ELTEL	Banglore	43
2013-14	Electronics & Tele.Engg.	Omega Electronics	Jaipur,	49
		Pyrotech Pvt. Ltd	Udaipur	49
	Mechanical Engg.	Keltron Electronics	Kerala	51
	Electrical Engg.	HVDC Plant,	Chandrapur	35
2014-15	Mechanical Engg.	Hawells industry	Chandigarh	54
		Jadhao Icons	Amravati	40
	Electronics & Tele.Engg.	MTNL	Delhi	44
		Robotic Pvt. Ltd.	Delhi	44
	Electrical Engg.	Rajni Electricals	Amravati	69
		Punjab Energy Development Agency	Punjab	30
		66kV(MIDC) Substation	Amravati	34
	Computer Science & Engg.	IT Networks	Nagpur	64
2015-16	Electronics & Tele.Engg.	EVERDATA Technologies Pvt. Ltd.	Jaipur	25
		Pratham Software Pvt. Ltd	Jaipur	25
	Computer Science & Engg.	BSNL	Amravati	66
		EVERDATA Technologies Pvt. Ltd.	Jaipur	54
		Pratham Software Pvt. Ltd	Jaipur	54
2016-17	Electronics & Tele.Engg.	Centre for Electronics test Engineering	Hyderabad	28
		Centre for Material for Electronics Technology	Hyderabad	28
	Mechanical Engg.	Dodabetta Tea Factory	Ooty	55
		NIE (National Institute of Engineering)	Mysore	55
		Jadhao Gears Pvt. Ltd.	Amravati	120
	Computer Science & Engg.	Pingaksho Technology	Chandigarh	37

	Electrical Engg.	Indian space research Organization (ISRO)	Bangalore	59
	Civil Engg.	Van Dam	Akot	54
		Sewage Treatment Plant	Lalkhedi, Amravati	55

3.7.4. **Highlighting the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the Department during the last four years.**

Ans.:

Institute has arranged the national, international conferences, workshop, seminars and guest lecturers during the last four years.

Following are the eminent personalities who contributed in events at Institute

Sr. No.	Name of the Professor / Research scholar / eminent scientists
1.	**Hon. Dr. A. P. J. Abdul Kalam**, Ex-President of India, Eminent Scientist.
2.	**Hon. Dr. Raghunath Mashelkar,** Former Director General, CSIR, New Delhi.
3.	**Hon. Sri Sri Ravishankarji,** Spiritual Leader and founder of art of living foundation.
4.	**Hon. Dr. Vijay Bhatkar**, Father of Super Computer
5.	**Hon. Dr. Muhammed Yunus**, Nobel Prize winner, Founder &chairman of Gramin Bank, Bangladesh.
6.	**Hon. Nitinji Gadkari,** Minister of Road Transport and Highways of India
7.	**Hon. Devendra Fadanvis,** Chief Minister of Maharashtra State.
8.	**Hon. Vinod Tawde,** Education Minister of Maharashtra state.
9.	**Hon. Anna Hazare,** Indian social activist, A Ramon Magsaysay & Padma Bhushan award winner
10.	**Hon. Dr. Sujit Bannerji**, Director, Dept. of Science & Technology, Govt. of
11.	**Hon. Dr. Tessy Thomas**, Missile women of India, Key Scientist for Agni-V in DRDO, Hyderabad.
12.	**Hon. Dr. Ranjeet Patil,** Minister of State Home (Urban),Urban Development, General Administration, Law&Judiciary, Parliamentary
13.	**Hon. Dr. S. Guruprasad,** Director , R & DE (Engineers), DRDO, Dighi, Pune
14.	**Hon. Dr. Dinesh Keskar**, Vice President, Boing International.
15.	**Hon. Kiran Bedi**, First lady IPS officer.

16.	**Hon. Navjotsingh Siddhu,** Former Cricketer, M.P.
17.	**Hon. Dr. Narendra Jadhav,** Member of Planning Comission, India.
18.	**Hon. Sanjeev Bambal**, Director, Cognizant Ltd.
19.	**Hon. Sameer Bendre**, Head, Persistent Ltd., Nagpur.
20.	**Hon. Dr. Mohan Khedkar**, Vice Chancellor , SGB Amravati University.
21.	**Hon. M. S. Bitta,** All India Anti terrorist front**.**
22.	**Hon. Dr. P. M. Khodke**, Director, MSBTE.
23.	**Hon. Mr. Neil Gogte,** Founder and Chairman, KMIT Hyderabad
24.	**Hon. Dr. P. M. Padole**, Dean (Academic), VNIT, Nagpur.
25.	**Hon. J. P. Gupta,** Research Scientist.
26.	**Hon. Balasaheb Darade**, Entrepreneur & Nano Technologist.
27.	**Hon. Dr. Suresh Naik**, Ex-group director, ISRO.
28.	**Hon. Dr. Dinesh Amalnerkar**, Ex-Director, Centre for Material of Electronic Technology, Government of India, Pune.
29.	**Hon. Dr. Vikram Singh,** Former Director General of Police, UP (IPS Officer)
30.	**Hon. Ms. Arunima Sinha**, First Female amputee to climb Mount Everest.
31.	**Hon. Dr. Indrajeet Deshmukh**, Deputy Commissioner, Pune
32.	**Hon. Ashok Khade**, Managing Director, DAS Offshor
33.	**Hon. Swami Atmapriyananda,** Vice Chancellor, Ramakrishna Mission Vivekananda University, Coimbatore Campus.
23.	**Hon. Swami Nikhileshwarananda,** Head of Vadodara Centre of Ramakrishna Mission.

TECHELONS

P.R.Pote Patil College of Engineering & Management always motivate & inspires students by arranging an International Event called "TECHELONS" every year. Well known eminent Personalities from different sectors of society are invite to guide students regarding their technical knowledge development along with academic, Social & Moral values.
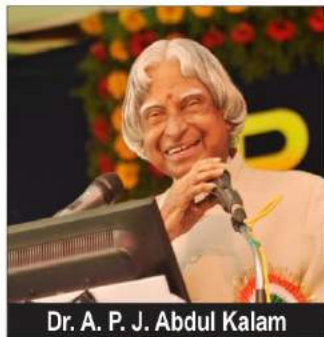
Dr. A. P. J. Abdul Kalam
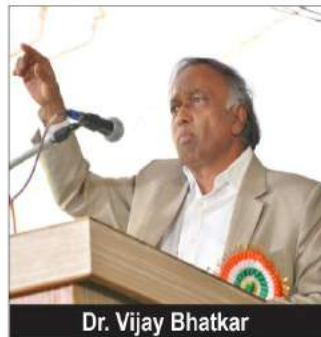
Dr. Vijay Bhatkar

Mr. Suresh Naik

Hon. Shri. Shri. Ravi Shankar

Mr. Chetan Bhagat

Mr. Devendraji Fadanavis

Mr. Ashok Khade

Mr. Balasaheb Darade

P. R. Pote Patil College of Engineering & Management, Amravati.

Mr. Navjot Singh Siddhu

Dr. Muhammad Yunus

Dr. Narendra Jadhav

Mr. Nitinji Gadkari

Dr. Indrajeet Deshmukh

Mr. M. S. Bitta

Dr. Tessy Thomas

Dr. Guruprasad

Dr. Kiran Bedi

Dr. Raghunath Mashelkar

Mr. Ram Shankar Kathariya

Dr. Dinesh Keskar

P. R. Pote Patil College of Engineering & Management, Amravati.

Following are the details of guest lectures organized by the departments.

Sr. No.	Year	Name of Resource Person	Designation	Topic
1	2012-13	Prof. Swapnil Dhande	Asso. Professor	Computer Networking
2		Mr. Anil Tatode	Director	Industrial Automation
3		Prof. M. Bharati	Asst. Professor	MATLAB Basics
4		Mr.Kiran Padhya	Director	Awareness about GATE
5		Mr. Aftab	Research student	Career opportunity after graduation
6		Mr.Mustafa Hussain	Research student	Before & after GATE
7	2013-14	Dr. U. A. Belorkar	Professor	Introduction to VLSI Technology
8		Prof. Gaurav Raut	Asst. Professor	Embedded system
9		Prof. M. S. Burange	Asst. Professor	Programming in C
10		Mr.Vaibhav Gulakhe	Research Student	CFD-Computational Fluid Dynamics
11		Mr. Amandeep Jindal	Design Engineer	Vehicle Overhauling Workshop
12		Mr. Ravindra Wankhade	Executive Engineer Irrigation Amravati	Opportunity of Mechanical Engineers in Government Sector.
13	2014-15	Dr. A. B. Marathe	Principal	Career opportunity in Engg.
14		Prof. Niki Arora	Trainer	Communication Skill
15	2015-16	Dr. Saroj Asthana	Director	Career opportunity after graduation
16		Dr. P. M. Padole	Dean faculty welfare	Application of FEM in Biomedical Engineering.
17		Mr. Anil Sabale	Ex.Training Section In-charge. TPTR	Boiler & Turbine Details.
18		Dr. Vishram Bapat	HoD, Electrical Engg, Sinhgad College of Engg, Pune	Teaching skills
	2016-17	Mr. Sudhir Morey	Expert	Personality Development
		Mr. Nikhil Agrawal	Software Engineer from Pune	Review of project given in previous workshop and Advanced Java Concepts

			Personality Development
	Gurmit Sing		
	The Gate Academy Pvt. Ltd		Gate Awareness

3.7.5 **Details of the linkages/collaborations have actually resulted in formal MoUs and agreements. List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated**

a) **Curriculum development/enrichment**

b) **Internship/ On-the-job training**

c) **Summer placement**

d) **Faculty exchange and professional development**

e) **Research**

f) **Consultancy**

g) **Extension**

h) **Publication**

i) **Student Placement**

j) **Twinning programmes**

k) **Introduction of new courses**

l) **Student exchange**

m) **Any other**

Ans.:

a) Curriculum development/enrichment:

Interaction with the industry personnel is maintained by the Institute towards understanding of their needs and the shortfalls they realize in the current program curriculum.

Teachers are actively involved in curriculum development workshops and have given suggestions to BOS, SGB Amravati University as per the feedback received from stakeholders.

b) Internship/On-the-job training

Proper contacts with industries and organizations are maintained to ensure in-plant training and internship opportunities to the students of the various programs.

c) Summer placement

Students are facilitated by providing the summer training, Internship programs in various Industries & organizations.

d) Faculty exchange and professional development.

- Experts from research centers and industries are invited for lectures for FDPs.
- Institute also deputes faculty to exchange their research expertise at workshops, conferences and training programs arranged at other organizations.

e) Research

- Research projects offered by AICTE, DST. Details are given in 3.1.5.
- Faculty involved in Research activity. Details are given in 3.4.1.

f) Consultancy

Institute has established R & D cell to encourage the faculty to take up consultancy works and to extend services catering the needs of the society and industries. Details are given in 3.5.4.

g) Extension

- Enhanced teamwork, managerial skills, entrepreneurship skills, accountability and social responsibilities leading to overall personality development.
- Readiness for job, to face technical world and vertical growth.
- Mind set for higher education and learning technology application for real time and societal problems.
- Willingness to work for environment and under privileged.
- Imbibe sense of National Integrity.

h) Publications

Significant rise in publications in the last 4years in reputed journals (Details are given in 3.4.3)

j) Student Placement

- Institute has maintained placement relationships with renowned industries for the placement of their graduates.

- Companies for campus placement are increased. (Details are given in 5.1.9)

k) Twinning programs--

l) Introduction of new courses: UG: 01 (Civil Engg.)

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations. Any other relevant information regarding Research, Consultancy and Extension which the Institute would like to include.

Ans.:

- Institute has R & D Cell, which observes and promotes research activities in the Institute.

- Institute has established I. I. I. Cell for development of industry linkages and collaborations.

- Seminar grants regularly enhancing the research culture in campus. The details are given in 3.2.7.

- Faculties are sponsored regularly to attend important workshops and seminars arranged by leading research organizations.

- Faculty members publish papers in reputed journals and Institute sponsors them to present papers at conferences / symposiums at national and international level. The details are given in 3.4.3.

- Departments entered into MOUs with reputed organizations and have taken up collaborative projects.

<div align="center">

CRITERION-IV

INFRASTRUCTURE & LEARNING RESOURCES

</div>

4.1   Physical Facilities

4.1.1   What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

Ans:

As per the AICTE and Sant Gadgebaba Amravati University norms, all the physical facilities are established to have a very good teaching and learning system. The Institute has policy for creation and enhancement of infrastructure depending on the requirements of any change in the curriculum, student admission and introduction of any additional courses. The budget for this requirement is prepared in consultation with HoD and Principal and then it is submitted for the approval to the Management. Once the management approves it, the same is implemented with the help of professionals in the concerned area.

In 2009, the Institute started with 4 programs (B. E. in Electronics & Telecommunication Engineering, Computer Science & Engineering, Electrical Engineering &Mechanical Engineering) with sufficient infrastructure. In the successive academic years, the necessary infrastructure was progressively developed, thus satisfying the needs of the four-year program.

- Institute has a playground, indoor sports facility to facilitate the students in exploring their skills.
- Institute has a good computing facility, an optical fiber based backbone network, Wi-Fi campus with bandwidth 80Mbps, surveillance by CCTV camera.
- Classrooms and laboratories are furnished with proper ventilation, good lighting and acoustics for effective and optimum study conditions.
- Faculties have comfortable cabin space with computer facility to function in anon-intrusive manner for their academic needs.

4.1.2   Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Ans:

All infrastructural facilities are available as per standard norms set by AICTE,

Sr. No.	Description	Number	Area	Remark
1	Classrooms	34	72 sq. m.	
2	Technology enabled learning space	Many classrooms have LCD projector and audiovisualfacility.		
3	Seminar halls	05	145 sq. m.	
4	Tutorial space	09	35 sq. m.	
5	Laboratories	50	72 sq. m.	
6	botanical garden	NA	NA	
7	Animal house	NA	NA	
8	Specialized facilities and equipment for teaching-learning	Digital Boards are available in the classrooms.		
9	Specialized facilities and equipment for research	Institute has advanced equipments and software, used for research such as MATLAB,Universal Testing Machine (Capacity: 100T), Microwave test bench, IBM Rational Rose software, CATIA Software, etc.		
10	Research laboratories	02	72 sq. m.	
11	LCD Projector	40		
12	Models, wall-charts& NPTEL IIT video lectures are available in the Departments. `			

b) **Extra-curricular activities- sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

Ans:

Apart from curriculum, the Institute gives importance to extra-curricular activities. Institute emphasizes on students' soft skill development, social obligations, cultural activities & their participation in sport events. Development of sports facility& English language laboratory are the initiatives taken by the institute to achieve these objectives. Our students brought laurels to the Institute several times by performing excellent at University, State, National and International level. Social ethics and etiquettes are imbibed in the students to make them a good human being by involving them in NSS activities; blood donation, tree plantation, visiting & helping the elders in the old age homes.

Various facilities are enlisted below:

Sports:1-acre space for Outdoor games.

In-door games: Carrom, Chess, Table Tennis, etc

Outdoor games: Kabaddi, Cricket, Kho-kho & Volley-ball

Students also participated at National and International level Competitions

(Sports Category)

List of University Color Coat Holders:

Sr. No.	Student Name	Sports Category	Academic Year
1	Dinesh Dharpawar	Cross Country	2012-13
2	Anchal Pardesi	Table tennis	2012-13
3	Ku. Vijayshree Ingle	Badminton	2012-13
4	Aman Munot	Chess	2012-13
5	Anchal Pardesi	Table Tennis	2013-14
6	Aman Munot	Chess	2013-14
7	Saurabh Ardak	Cricket	2013-14
8	Mangesh Band (Electrical Engg.)	Karate (Gold Medal)	2012-13

Cultural activities:

- Regular participation in Inter Collegiate Youth festival since 2010-11.

- Organization of Annual Social Gathering *"Unmesh"* every year.
  (Mayurotsav: Interdepartmental dance competition)

(Cultural Category)

University Color Coat Holders:

Sr. No.	Student Name	Participation	Cultural Category	Awards	Academic Year
01	Miss. Komal Dhok (Mechanical Engg.)	Represented Institute at Intercollegiate youth festival, West zone cultural program, National Youth Festval	Theatre	Color Coat & Third prize at West Zone.	2014-15

NSS: S G B Amravati University has allotted 1 unit of 50 Students

Communication skills development: To develop the English communication skill of student and faculty, institute has a Language Laboratory with dedicated staff. A soft skill program for students is conducted every year.

Health and hygiene: Health conscious environment. Medical services are available in the campus.

Yoga: Institute organizes the Yoga Camp for Teachers and Students. Institute also celebrates the Yoga day from 2014-15 onwards.

4.1.3 **How does the Institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized?**

Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

Ans.: *Planning and Ensuring of Infrastructure:*

- The Institute develops the infrastructure as per the norms of AICTE. The experts from the regulatory authorities regularly monitor and visit the Institute. This enables the Institute to ensure the infrastructure adequacy and optimum use for academic growth.

- Classrooms, Laboratories, Library, Amenities, and all other facilities are designed and constructed as per AICTE norms in connivance towards total intake capacity.

- SGBAU, Amravati deputes the LEC to our institute every year since establishment for necessary inspection and decision on continuation of affiliation.

Facilities developed in last four years -

- In last four years the Institute has developed the class rooms, labs, tutorial rooms and seminar halls to meet the requirement of regulatory bodies and also for effective implementation of academics. The Institutes has enriched the labs with needed equipments, instruments, computers and software, etc.

- Institute has also developed the special labs to meet the requirements of PG courses for research and development.

Amount spent in last five years are as follows-

Sr. No.	Infrastructure	Particulars	Amount in lakhs.				
			2011-12	2012-13	2013-14	2014-15	2015-16
1	Immovable	Building	0.00	0.00	0.00	0.00	0.00
2	Movable	Computers & accessories	52.09	21.05	26.96	8.33	2.36
		Office equipment	7.99	8.56	0.00	0.00	2.86
		Networking equipment	1.87	0.00	0.00	0.00	0.00
		Furniture & fixtures	18.06	13.70	6.56	22.28	5.23
		Library books	10.51	12.08	15.57	9.92	4.82
		Sports equipment	0.00	0.00	0.00	0.00	0.00
		Laboratory equipment	26.21	73.43	34.83	25.15	7.26
		Vehicles	0.00	0.00	0.00	0.00	0.00
		Electrical installations	0.00	0.00	9.79	0.00	0.00
		Total	116.73	128.82	93.71	65.68	22.53

Master Plan: (Please refer Annexure: V)

4.1.4   How does the Institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Ans.:

- Institute has provided ramps at appropriate entrance locations.
- Institute has made appropriate provisions in washroom, classrooms and labs to provide the easy movement for physically disabled students.
- Lift is provided for the differently-abled students.
- Provision of wheel chair is made available.
- Library and reading room facilities are provided at ground floor.
- Provided separate parking lots for differently abled students at prominent location.

4.1.5   Give details on the residential facility and various provisions available within them:

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audiovisual equipments.**
- **Available residential facility for the staff and occupancy**
- **Constant supply of safe drinking water**
- **Security**

Ans.:

Hostel Facility:

The institution has MoU with third party for private boys and girls hostels. The strength of hostel accommodation is110for boys and 150 for girls. Water coolers are provided for drinking water with water purifier and water heaters are provided in bathrooms. Maintenance and cleaning of water coolers and purifiers is carried out at regular Intervals.

Recreation facilities:

Lush–green open spaces and grounds are available for out-door games such as football, cricket, basketball and volleyball, etc. Space for in-door recreation games

like carom board, chess etc. are provided. Yoga and Art of Living courses are arranged on request from the inmates of the hostel.

Computer facility including Internet access in hostel:

The boys and girls hostels are having an internet facility. They are provided with unlimited Internet access.

Medical room:

The College has first aid, medical room for students in need of medical assistance. The doctor and ambulance is available on call as and when required.

Library:

The hostel buildings have provision for reading and study (magazines, newspapers, periodicals) etc.

Hygiene facilities:

Cleanliness of all facilities is maintained by housekeeping staff. Dustbins are kept in the corridors at suitable locations and all the waste material is disposed off daily.

Water cooler with RO water purifiers ensuring constant supply of safe drinking water is available in the hostels.

Security:

Faculty In charge is appointed to take care of hostellers' security. Watchman/ guard are deployed round the clock at the entrance of the hostels and strict timings are adhered to by the inmates for security.

4.1.6   What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Ans.: Regarding the provisions of health care, first-aid facility is available. Ambulance, doctors on emergency call are made available in campus and off campus as and when necessary.

The College has medical room for students and staff in need of medical assistance.

The Institute has initiated to provide financial assistance by enrolling students for medical insurance through university.

4.1.7 **Give details of the Common Facilities available on the campus spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

Ans.:

Sr. No.	Space for	Area
01	IQAC	10 Sq. m.
02	Grievance Redressal unit	10 Sq. m.
03	Women's cell	10 Sq. m.
04	Counseling and career guidance	10 Sq. m.
05	Placement unit	30 Sq. m.
06	Canteen	100 Sq. m.
07	Recreational spaces for staff and students	--
08	Safe drinking water facility	Available
09	Auditorium	350 Sq. m.
10	Sports and NSS	30 Sq. m.

4.2 Library as a Learning Resource

4.2.1 **Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

Ans.:

Yes, Library has an advisory committee known as Library Committee.

The committee comprises following members:-

Sr. No.	Designation	Status
1	Principal	Chairman
2	Senior Faculty	Coordinator, Central Library
3	Librarian	Member Secretary
4	Departmental Library Coordinators (Faculty from each Department)	Members
5	Library Staff	Asst. Librarian

Minimum two meetings are arranged every year. The Library Committee approves all the proposed rules, and major decisions taken regarding the smooth & effective functioning of the Library.

Significant Initiatives:

- ➢ Procurement of commercial Library Software.
- ➢ Issuing the Library Cards to the students for books.
- ➢ Digital Library of 10 nodes in the Central Library building.
- ➢ Wi-Fi facility is available in the library building.
- ➢ Procurement of separate UPS system for Library.
- ➢ Increasing titles per branch for collection development.
- ➢ Strengthening the Book Bank for the benefit of students.
- ➢ Extending Reading Room hours before and during the examination.
- ➢ Arranging book exhibitions.

4.2.2 Provide details of the following:

- • **Total area of the library (in Sq. Mts.)** = 603 Sq. Mts.
- • **Total seating capacity** = 105
- • **Working hours (on working days, on holidays, before examination,during examination, during vacation)**

Mon to Sat	10.00 am to 06.00 pm	Complete Library with circulation
Saturday	08.00 am to 02.00 pm	Complete Library with circulation
During Examination days		
Mon to Sat	08.00 am to 02.00 pm	circulation
Mon to Sat	02.00 am to 0600 pm	Reading
Saturday	08.00 am to 02.00 pm	Complete Library with circulation

- • **Layout of the library (individual reading carrels, lounge area for browsingand relaxed reading, IT zone for accessing e-resources)**
- i. Individual reading carrels: Available
- ii. Lounge area for browsing: Available
- iii. Separate section for Digital Library having 10 nodes with internet connectivity in Central Library building.
- iv. Wi-fi facility available in the Library building.

Layout of the library:

READING HALL
13.50 X 21.00
(area = 283.50 m2)

COMPUTERS

REFRENCE SECTION
13.50 X 8.85
(area = 119.47 m2

COMPUTERS

BOOK SHELF

STACK / STORE SECTION
(13.50 X 12.00 area = 162.00 m2

BOOK
ISSUE COUNTER

LIBRARIAN

XEROX
MACH.

VARANDAH
2.10 M.

PLAN 1 : 100   TOTAL CARPET AREA = 564.97 SQM.
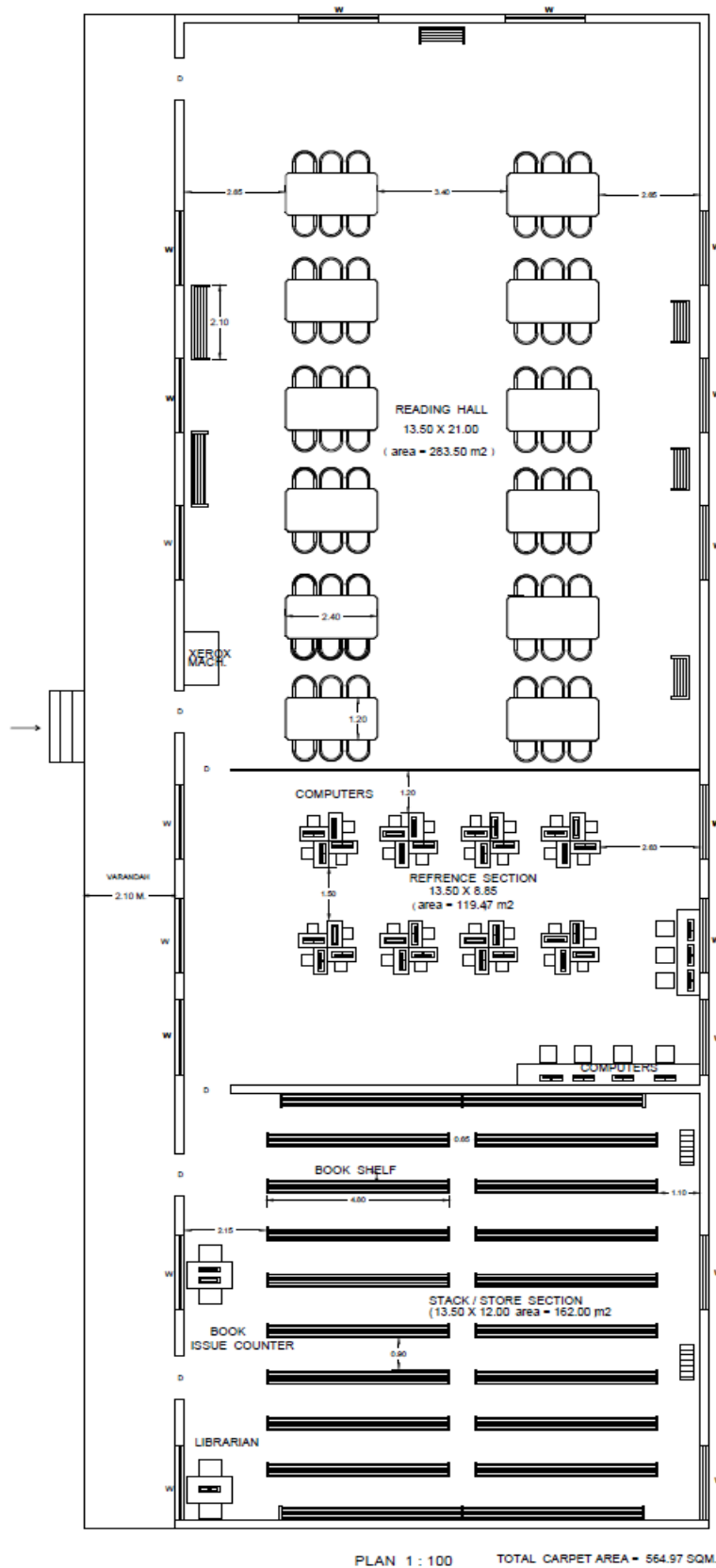
EXESTING LIBRARY DEPT. OF P.R POTE COLLEGE AMRAVATI

4.2.3 **How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

Ans.: Library is taking due care to purchase published titles every year. The latest catalogues are available with the Library. Furthermore, faculties are consulted while recommending books. The catalogue is also mailed to the concern department for their information and recommendations. The library requisition form is given to the staff for recommending books. In addition, the students' demand for books is processed through department by preparing and submitting list to the library. Library always takes care to fulfill the norms given by Apex bodies regarding books, journals and other library holding.

Expenditure on procuring new books, journals and e-resources during last four years.

Library Holdings	2012-2013		2013-2014		2014-2015		2015-16	
	Number	Total Cost(Rs.)	Number	Total Cost(Rs.)	Number	Total Cost(Rs.)	Number	Total Cost(Rs.)
Text Books and Ref. Books	3206	13,50,035/-	2390	11,24,985/-	1833	9,61,186/-	1389	7,06,407/-
Journals/ Periodicals	93	1,,93,000/-	94	2,44,139/-	105	3,02,489/-	105	2,95422/-
e-resources	for IEEE & ASME	237471/-	(08) IEEE , ASME, TMH Digit, EMARALD, ELSEVIER, JGATE,ASTM WILEY-BL. WELL JGATE-MBA.	1387500/-	--	--	IEEE & ASME	8,06,360/-

4.2.4 **Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

Ans.: **OPAC (Online Public Access Catalogue)**

OPAC (Online Public Access Catalogue) facility is available through Library Management Software to know the bibliographical details about the collection. One separate node is available in the Central Library for OPAC facility. Under OPAC, user from any location can search the library collection. Simple search by giving Title, Author, and Department, advanced search facility is provided through OPAC.

In-house/remote access to e-publications

A well equipped Digital Library with 10 nodes having internet connectivity is housed in the Central Library for accessing e-publications. As the access facility to e-journals is multiuser and IP address-based, the students can access the e-publication from anywhere in the campus.

Library Automation:

All the active book collection is updated in the Library Management Software database and the OPAC is available for the users. The issue and return of books has been activated with the Library Management Software.

Total number of computers for public access

To access the e-journals and internet a digital library of 10 nodes is facilitated to the users in the Central Library. Apart from this, one separate node is made available to search OPAC.

Total numbers of printers for public access

The printing facility is available in the library. Two printers are provided for public access.

Internet band width/ speed 2mbps/10 mbps/1GB

Internet bandwidth/ speed- 20 Mbps.

Institutional Repository Yes, Available

Content management system for e-learning

NPTEL lessons available can be accessed through intranet (Free Access) &Hard disk.

4.2.5 Provide details on the following terms:

- ➢ **Average number of walk-ins:** 130
- ➢ **Average number of books issued/returned:** 150
- ➢ **Ratio of library books to students enrolled:** 15:1
- ➢ **Average number of books added during last three years:** 2695

4.2.6   Give details of the specialized services provided by the library.

Reference

A reference section with collection of handbooks, manuals is available in the library. Personal guidance for searching the information is given by the staff.

Reprography

Reprography facility is available in the library for the benefit of users.

Information deployment and notification (Information Deployment and Notification)

The information of library collection is available through OPAC. The department wise collection can be searched through OPAC. The library notices/circulars are displayed. To cultivate the reading habit amongst the user, the book fairs are organized frequently. The new arrivals are displayed to aware and motivate users to read.

Download

E journals subscribed by the library can be downloaded by users in digital library and throughout in the campus.

Printing

Printing facility is available for the users.

Reading list/ Bibliography compilation

Library has maintained digital catalogue (OPAC) which provides all the details about the books. The library has Indexed titles of Project work.

In-house/remote access to e-resources

A well equipped Digital Library with10 nodes with internet connectivity is housed in the Central Library for access to e-publication. As the access facility to e journals is multiuser and IP address-based the students can access the e-publications from anywhere in the campus.

User Orientation and awareness

User orientation programs are conducted during academic session for students of first year and directly admitted to second year. New arrivals are displayed in the library office for the information of users.

Assistance in searching Databases

The library staff assists users in searching the desired information available with various sources. Training session for effective searching is also arranged to make the user aware of the advanced searching techniques.

4.2.7   Enumerate on the support provided by the Library staff to the students and teachers of the college.

Ans.:

- Various publishers regularly conduct awareness workshops / seminars for students and faculty members.
- The library staff member assists the students and faculty members in identifying the required materials and explains the services available in the library.
- They also assist in locating the e-journals, reference books, journal papers etc.
- The students and faculty members are also informed about rules and regulations of the library, timings of the library, and renewal period of the books borrowed.
- The library staff helps students and faculty to check the availability of books and journals using OPAC module.

4.2.8   What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Ans.:

- Library staff helps the physically and visually challenged persons to select, borrow/return the library books.
- Audio facilities are available to help the physically challenged person in understanding the Subjects.
- Wheel chair is also made available for needy.
- Additional book facility is available to motivate them
- First preference for circulation and book bank facility.

4.2.9   Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

Ans.:

Yes, the library gets the feedback from its users.

- Library staff members frequently interact with faculty members/students and try to improve the library services. Issues are also discussed in the library meeting for further improvement.

- Regular feedback from HODs and Dean.

- Feedback forms are collected from the user through set of questionnaire. The questionnaire is prepared on various sub titles namely infrastructure, library collection and library services.

- Suggestions received for improvement are implemented from time to time.

The following improvements are done as per suggestions

- Number of books issued is increased from 2 to 4 for UG & 3 to 5 for PG students per semester.

- Books borrowed by students can be renewed after 7 days instead of 15 days.

- Subscription to newspapers has been increased.

4.3   IT Infrastructure

The Institute has a modern, eco-friendly, fully networked campus with optical fibre cable connectivity between buildings. The laboratory building houses state-of-the-art teaching and research laboratories for electronics, communications, computers and networks. Students use resources of laboratories to solve problems, perform developmental experiments and work on projects guided by faculty. The detail of the network structure is given in following Figure.
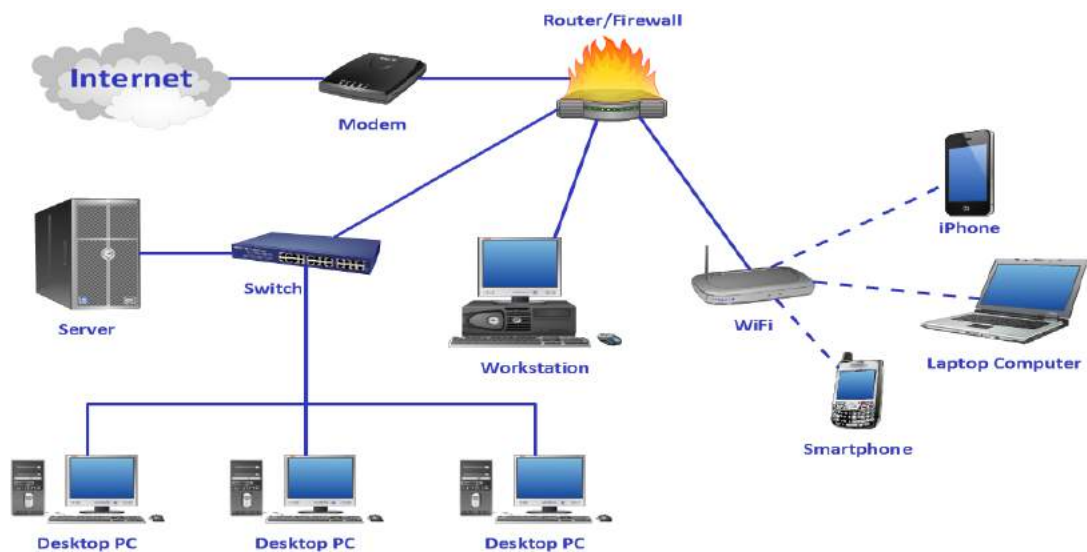
4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**
- **Computer-student ratio**
- **Stand alone facility**
- **LAN facility**
- **Wi-Fi facility**
- **Licensed software**
- **Number of nodes/ computers with Internet facility**
- **Any other**

Ans.:

Sr. No.	Particulars	Hardware	Number
1	Number of computers with Configuration (provide actual number with exact configuration of each available system)	Type-1 m/c: Intel Dual Core, 1GB Ram,160GB HDD,18.5" TFT Monitor Type-2 m/c: Intel Core to Dual,1GB Ram,120 GB HDD,12.5" TFT Monitor	574 computers
2	Computer-student ratio	1:6 ratio	
3	Laptop facility	Intel i3,2 GB Ram,320 GB HDD,15.6" TFT , Wifi, Bluetooth, DVD Drive	14 Systems
4	Stand alone facility	Yes	CCTV camera:12, LCD Projectors:40, Printer:15 OHP:10
5	LAN facility	Yes	70Mbps
6	Wi-Fi facility	Yes	
7	Licensed software	Microsoft campus Agreement,Windows 7 os license,Rational Rows,CATIA-V5,ODLL(orall Digital language laboratory)	
		Rational Rose Suit Enterprises	
		Ms DesktopEdu AllLang Lic/SA Pack OLV	
		Ms Windows Server Std AllLang Lic/SA Pack OLV2	
		MS Visual Studio Pro W/MSDN Lic /SA Pack OVL	
		MS.Windows SL 8.1 Get Genuine	
		Desktop Edu Alng LicSA Pk OLV E1Y Acdmc Ent License. Consist of Windows 8 Enterprises Updg,Ms Office Pro.Plus Windows CAL,Exchane Cal SCCM Cal,Lync,Cal SharePoint CAL,ForeFront	
		Ms Windows Server Std All Lang Lic/SA Pack OLV E 1 year Acdmc AP 2Proc	
		MS Visual Studio Pro W/MSDN Lic /SA Pack OVL E 1 yr Acdmc Ap	
		Desktop Edu Alng LicSA Pk OLV E1Y Acdmc Ent License.	

		Consist of Windows *8 Enterprises Updg,Ms Office Pro. Plus Windows CAL, Exchane Cal SCCM Cal,Lync,Cal SharePoint CAL, Fore Front	
		Ms Windows Server Std AllLang Lic/SA Pack OLV E 1 year Acdmc AP 2Proc	
		MS Visual Studio Pro W/MSDN Lic /SA Pack OVL E 1 yr Acdmc Ap	
		MATLAB 11.0 and toolboxes (25 user)	
		Micro wind 3.5	
8	Number of nodes/ computers with Internet facility	365 computers	
9	Any other	--	--

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Ans: Computer terminals and network links (along with fiber optic) forms the important information of computing resource to the institute

- The Institution has computer facility for both faculty and students.
- It is used for net-surfing, downloading materials and exploring different possibilities to acquire study materials for teaching and learning.
- Computers are made available to the users with internet facility, 80 mbps speed with no interruption.
- Wi-Fi facility is available to the staff and students at the institutional level.
- Institute is equipped with Digital Library.
- Resources for conducting online examinations are available in the Institute.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Ans:

Institutional plans and strategies for deploying and upgrading the IT infrastructure:

- Implementation of research laboratories to all departments having PG program is in planning.
- Language Laboratory facility to be upgraded to accommodate more students per session.

- Institute provides unique e-mail ID to faculties and students.

- Proposing open source software laboratory in CSE department.

- To provide Laptops to all faculty members.

- To provide video conferencing within the campus and for academic and others purposes.

4.3.4   Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the Institution (Year wise for last four years)

Ans.:   The details of annual budget and its utilization is as follows.

Sr. No.	Financial Year	Provision in the budget, (in Lakh)	Utilization
1	2016-17	10.00	-
2	2015-16	5.00	2.36
3	2014-15	10.00	8.33
4	2013-14	30.00	26.96

4.3.5   How does the Institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

Ans.:

The Institution works in the direction of maintaining total quality in education and imparting knowledge with ICT. The College provides all innovative teaching aids to the faculty to bring in the qualitative improvement in their teaching.

- Access to NPTEL, Edusat Programmes and many other online learning programmes facilities are provided to all the students and staff members to improve quality in teaching, learning and research.

- Faculties make use of laptop and LCD projector in the classroom as a teaching aid for power point along with chalk and board.

- Audio-visual learning approach.

- Softcopy of many learning resources, lecture materials, e-books are provided to students.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching – learning resources, independent learning, ICT enabled classrooms/learning space etc.) by the Institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

Ans:

Almost all classrooms are equipped with LCD projectors and screen to enhance teaching quality.

- The institute has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on.

- The institute understands that the teachers are to be re-oriented from time to time and encouraged to understand their changing role as facilitator in addition to teacher.

- Institute is giving financial support in college fees for financially weak students.

- Institute provides free of cost foreign tour for meritorious students every year.

- Institute uses OHP facility for enhancement in teaching learning process.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Ans.:

- The Institute is not connected to the National Knowledge Network connectivity directly through SGBAU University.

- A dedicated classroom with all associated equipment has been established.

4.4   Maintenance of Campus Facilities

4.4.1   How does the Institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

Ans.:

Sr. No.	Description	Budget Allotted (F.Y)Rs. (in Lacs)			
		2013-14	2014-15	2015-16	2016-17
A	Building	0.00	0.00	0.00	0.00
B	Furniture	25.00	25.00	10.00	20.00
C	Equipment	26.00	30.00	10.00	10.00
D	Computers	30.00	10.00	5.00	10.00
E	Vehicles	0.00	0.00	0.00	0.00
F	Any other	16.00	10.00	10.00	20.00

4.4.2   What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Ans.:

- A Coordinator is appointed for the overall developmental and maintenance work. He has a team of skilled and semiskilled personnel working under him.
- This team looks after the daily maintenance of civil works such as furniture repairs, masonry and plaster works, painting carpentry, plumbing and house-keeping work.
- There is a separate Faculty in charge of the responsibility of overallelectric works, who also has a team of electricians working with him.

4.4.3   How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

Ans.:

- The calibration of concern equipment is undertaken periodically as per requirement by the respective departments.
- The Institute has a team of qualified technical staff for maintaining computers and networking facilities. Some of the members are identified for the same and it is ensured that they are available at short notice**.**

4.4.4   What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

Ans.:

Steps taken for location, upkeep and maintenance of sensitive equipments:

- To combat voltage fluctuations, stabilizers and UPS are used to protect some equipment and to provide the necessary backup during power cuts.

- Water tanks are washed & cleaned regularly.

- RO water purifiers are maintained regularly.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- A step towards resource generation, institute offers and executes testing and analysis facility at laboratories set-up to facilitate diversified user applications.

- Turbo air ventilators are installed on the roof of labs to maintain temperature and air circulation.

- Institute offers students to pursue their entrepreneurship programme in the campus, using the available material & human resources.

- Institute provides available material resources to the students of all disciplines in accomplishing their minor projects and final year projects.

- Diesel generators of 90 kVA, 60 kVA, & 30 kVAare installed in the premises to facilitate functioning during power failures.

- Some computer laboratories are supported with UPS back up.

CRITERION-V

STUDENT SUPPORT AND PROGRESSION

5.1   Student Mentoring and Support

5.1.1   Does the Institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the Institution ensure its commitment and accountability?

Ans.:

Yes, Institute publishes the prospectus every year containing details about following

- About Institution, various PG & UG courses, facilities available, special features, etc.

- The Institute information includes Mission and vision statements, rules and regulations, academic calendar, university exam patterns and details, various activities, functional committees, contact details of various authorities, intake capacity, fees structure and scholarship details, student placement details, anti ragging rules, etc.

- Under department, information includes departmental achievements, facilities available, trainings and industrial visits, etc.

The Institute ensures its committemnt and accountability by regularly taking feedbacks from stakeholders and updating prospects.

5.1.2   Specify the type, number and amount of institutional scholarships /free ships given to the students during the last four years andwhether the financial aid was available and disbursed on time?

Ans.:

Institute grants various types of scholarships/ free-ship to the eligible students offered by DTE and AICTE.

It grants

- Scholarship and Free ship to SC/ST/OBC students.

- EBC to students belonging to economically backward class.

- Minority Scholarship to eligible students

- GATE stipend to eligible students.

- In addition, the scholarship for economical weak students at the Institute level.

The details of the amount and number of students are as follows

Type of Scholarship	Academic Year		
	2013-14	2014-15	2015-16
No. of students eligible for Scholarship (SC/ST/VJ)	270	304	334
Amount Disbursed	21432516	24996183	27172233
No. of students eligible for Scholarship (OBC/SBC)	448	585	681
Amount Disbursed	17259968	23669006	27914937
No. of students eligible for Free ship	353	343	323
Amount Disbursed	18034635	18580978	17872975
No. of students eligible for EBC	93	113	122
Amount Disbursed	3263139	4351451	4628820
No. of students eligible for Minority Scholarship	56	55	42
Amount Disbursed	1391243	1366400	1026310
No. of students eligible for Gate stipend	1	1	1
Amount Disbursed	102000	102000	102000

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

Ans.: Following are the details of the percentage of students receiving the financial assistances

Academic Year	2013-14	2014-15	2015-16
Percentage of students eligible for Scholarship(SC/ST/VJ)	16.02	15.23	15.47
Percentage of students eligible for Scholarship(OBS/SBC)	26.58	28.74	31.55
Percentage of students eligible for Free ship	20.94	16.85	14.96
Percentage of students eligible for EBC	5.87	5.55	5.65
Percentage of students eligible for Minority Scholarship	3.32	2.70	1.94
No. of students eligible for Gate stipend	1	1	1

5.1.4   What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections, Students with physical disabilities, overseas students, Students to participate in various competitions/National and International Medical assistance to students: health centre, health insurance etc. Organizing coaching classes for competitive exams Skill development (spoken English, computer literacy, etc.,) Support for "slow learners" Exposures of students to other Institution of higher learning/ corporate/business house etc. publication of student Magazine.

Ans.:

- *Students from SC, ST, OBC and economically weaker sections:* Institute offers free Book Bank facility, Soft skills training to all the students in these categories.

- *Students with physical disabilities:* Institute offers time and day flexibility of issue books in the library, facility of Ramps, elevators and wheel chairs, and special arrangements during examination for physical challenged students.

- *Overseas students:* There is no overseas student admitted in the Institute.

- *Students to participate in various competitions/National and International/Organizing coaching classes for competitive exams:*
  Information is circulated among students regarding various national and international presentations, seminars, project competitions, model makings, sports, etc. through notice boards, Websites, ERP, and circulated through teachers in the class.
  In addition, information about usage of laboratories & computer facilities, e journals, library, workshop etc. are provided to students.

- *Medical assistance to students: health center, health insurance etc.:* First aid facility, qualified medical assistance is provided in campus and all students are covered under Medical / Health Insurance policy through SGB Amravati University, Amravati.

- *Skill development (Spoken English, Personality Development Program, Technical Certifications etc.)*
  Soft Skills development activities are conducted for the benefit of students. Language laboratory facility is available. Training and Placement cell helps in organizing activities on personality development. Department organizes Technical workshops/trainings for students' Technical certifications.

- *Support for "slow learners"*

  Special Remedial classes are taken for the weak students (slow learners) by identifying students by way of test & they brought at par with fast learners. Also improvement tests are conducted for those   who need to improve performance.

- *Exposures of students to other Institution of higher learning/ corporate/business house etc.*

  Students are motivated to participate in Tech-fests, Symposium, workshops, seminars and conference at other Institutes and Industries. Also visits to core industries and corporate are arranged.

- *Publication of student magazines*

  The College publishes its annual college magazine "*POTEential"*. Students write technical and literary articles in the magazine, Platform of Departmental Newsletter provides an opportunity to write / publish /share the ideas of students.

5.1.5   Describe the efforts made by the Institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Ans.:

- Institute has Innovative Entrepreneurship Development Cell (IEDC)in collaboration with Department of Science & Technology, Government of India, New Delhi. It provides technical and financial support to the students' for molding their innovative ideas into products and facilitates to be an entrepreneur.

- Institute also motivates the students to become entrepreneur by conducting industry/business experts' talks, Entrepreneurship Development Programmes.

5.1.6   Enumerate the policies and strategies of the Institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **Additional academic support, flexibility in examinations**
- **Special dietary requirements, sports uniform and materials**
- **Any other**

Ans.:

Institute has the following policies/strategies:

Co- Curricular Activities:

- Institute always motivates students for their overwhelming participation at state, national and international levels.

- Arrange various competitions like paper presentation, posters, projects, etc. every year for the students.

- To promote an interaction with other research organization & industry by organizing expert lectures in the department and industrial visits.

- Institute appreciates students' achievements by giving prizes and certificates.

Extra Curricular activities:

Extra Curricular activities are organized

- To find hidden talents among students and provide exposure to them.

- To develop the team spirit, confidence and self-discipline.

- To develop moral & ethical values among all students.

- To develop harmony among students and faculties.

Additional academic support:

- Awarding incentive marks for extracurricular and co-curricular activities as per guidelines by the University.

- Consideration of attendance of the participation.

- Personal teaching /assignments are given.

- Promote participation in NSS and Blood Donation Camp to benefit student with incentive marks.

- Extra lectures are arranged to cope up with the missed portion.

- Question Banks are provided.

Special dietary requirements, sports uniform and materials:

Institute provides Sports Kit and Sports material to students, who lead the College, Zonal, Inter-zonal and All India Inter University Tournaments for different types of Games and Sports.

During their sports' participation, dietary support is provided.

5.1.7 **Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIRNET, UGC-NET, SLET,ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil services, etc.**

Ans.: Orientation & guidance lectures are organized every year. The teachers guide students who are interested and willing to appear in various competitive examinations by providing study materials and counseling for preparation. Students are allowed to have access to library to refer books related to entrance tests. In the recent past, many students have appeared and qualified in various competitive exams. The details are as follows:

Year	Exam	Appeared	Qualified
2013-14	GATE/GRE/TOEFL	59	13
	Central/State Services	05	03
	Defense, Civil services	01	01
2014-15	GATE/GRE/TOEFL	56	06
	Central/State Services	08	04
	Defense, Civil services	--	--
2015-16	GATE/GRE/TOEFL	69	03
	Central/State Services	--	--
	Defense, Civil services	01	--

5.1.8 **What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)**

Ans.: Institute has counseling Scheme in which a counselor (faculty) is allotted20-25 students from first to final year. The counselor discusses academic performance and progress with students in regular meetings. Counselor renders guidance in studies, career planning and address personal and psychosocial issues.

Academic & Career Counseling:

The students are informed about the scope and nature of the various subjects prescribed in the syllabus. They are counseled adequately to shape their career. Personalized counseling and parental care is possible by counseling Schemes practiced in the Institute. Guidance for placement and higher studies are provided.

Personal & Psycho-Social Counseling:

The students during the course of their studies in the Institute come across various issues. At several times, they are unable to take the right decisions. In order to

overcome these psychological issues, personal counseling provided by the Institute. Students are counseled to become better human beings and to face challenging environment.

5.1.9 Does the Institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students elected during campus interviews by different employers (list the employers and the programmes).

Ans.: Yes, Institute has a structured mechanism for career guidance for students. Under the guidance of the Principal, the Institute's Training and Placement Department carry out different activities related to both training and placement of students. These include,

- Maintaining students' data, maintaining list of companies / organizations with contact details of the concerned HR personnel.
- Arranging training activities to enhance technical and soft skills. It includes technical training as per requirements, positive attitude development, goal setting, development of leadership qualities, decision-making, team building, communication and aptitude skill development.
- Arranging group discussions and mock interviews.
- Arranging expert / guest lecturers of Industry personnel.
- Arranging Industrial training / tour.
- Informing students about the vacancies offered by government and other agencies.
- Arranging Campus placement of different industries.

The placement cell of the Institute invites reputed companies for campus recruitments. The students are also sent to attend off campus drives.

The details of placement are as follows:

Sr. No.	Department	No. of Students Placed			
		2013-14	2014-15	2015-16	2016-17
1	CSE	25	13	22	36
2	EE	07	08	21	20
3	EXTC	18	11	36	13
4	MECH	17	06	10	17
5	MCA	08	18	05	--
6	MBA	07	14	21	17

List of Employers:

Sr. No.	Name of Company	Sr. No.	Name of Company
1.	Wipro	19.	Michelin Tyres
2.	HCL	20.	Millennium Infotech
3.	Jaypee infrastructure	21.	Idea Cellular (Hallmarks Sims)
4.	Patni Computers	22.	Manthan Studio
5.	Persistent	23.	Vedang Radio Technology
6.	Future group	24.	UBE Industries Limited
7.	L&T Infotech	25.	Unikaihatsu Software Pvt. Ltd.
8.	Mphasis	26.	Force Motors Ltd.
9.	Wissen Systems	27.	Religare
10.	TCS	28.	India Mart
11.	Tata Motors	29.	Edelweiss
12.	Sterling & Wilson Enterprise	30.	DELL
13.	Mahindra Finance	31.	Eureka Forbes Ltd
14.	SysLogic IT Solutions	32.	Husys HR Function Mgm. Co.
15.	Wipro BPO	33.	Haier India Pvt. Ltd
16.	Syntel Corporation	34.	Mahindra Forging Ltd.
17.	SmartData Enterprises	35.	Piaggio Vehicles Pvt. Ltd.
18.	Zeon Solutions	36.	IWS Pvt. Ltd.

5.1.10 Does the Institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Ans.: With reference to AICTE letter No. 1-101/DPG/ AICTE/ ombudsman/2012 Dt.9[th]July 2012; Institute has constituted "Grievance Redressal Committee".

Suggestion Box:

Institute keeps suggestion boxes at various places within institute so that stakeholders put their comments, suggestions, and requests without directly meeting to the authorities. Cognizance of all these is taken by concern authority. Suggestions, complaints or feedback given on plain paper provides greater opportunity to serve stakeholder better.

Sr. No.	Grievances Reported	Grievances Redressed
01	To increase the recess timings.	Previously first Recess was for 20 minutes, now it is 30 minutes.
02	Water cooler and Aqua guard is not working in 2nd floor of main building.	It was repaired under AMC
03	Students reported less no. of books in Library.	New books were purchased & Book Bank was expanded
04	Two fans of one class room of Dept. of Electronics & Tele. Engg. were not working.	Electrician called & repaired.
05	College Bus Timings.	Changed the timings as per requirement and the frequency of bus also increased.
06	Demand of Girls Common room.	Girls' Common room made available in each building.
07	Students reported less no. of books related to general reading & competitive exams.	New books were purchased& reference section of library was strengthened.
08	Students reported less no. of sports material.	Letter forwarded to Physical Director to purchase the sports material.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Ans.:

Internal Complaints Committee (Vishakha Committee) Activities:

The Sexual Anti-Harassment Committee known as Vishakha Committee exists in the Institute as Internal Complaints Committee according to the Indian Pinal Code Act 2013 "Prevention Prohibition and Redressal Act" regarding the sexual Harassment of Women at Workplace.

The members of the **Internal Complaints Committee (Vishakha Committee)** are as follows.

1. Chairperson – Dr. Nilima A. Kalambe
2. Female Teacher- Prof. Y. D. Shahakar
3. Male Teacher- Prof.P. S. Ardak
4. Male nonteaching employee – Mr. Rajiv R. Rajas
5. Female nonteaching employee – Mrs. N. A. Vidhale
6. NGO representative – Mrs. Jayshree K. Deshmukh
7. Management representative – Adv. Pravin M. Mohod
8. Lady Lawyer– Adv. Pallavi A. Zatale
9. Male Student – Mr. Mohd.Sufian Mohd. Shakeel
10. Male Student –Mr. Gopal S. Mohalkar
11. Female Student – Ms. Snehal Gadpale
12. Female Student – Ms. Juhi Dakhane

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Ans.:

Yes, the Institute has an anti-ragging committee comprising Principal, senior faculty members and other members as follows.

1. Presiding Officer – Dr. S. D. Wakde
2. Member- Dr. N. R. Thakre
3. Member-Shri. Vilas A. Marathe (Editor -Media)
4. Member- Shri G. G. Solanke

5. Member- Dr. Mrs. A. B. Deshmukh (Parent)

6. Member- Ku. Ankita Thakare (Fresher Student)

7. Member- Mr. Shubham Murkute (Senior Student)

8. Member- Mr. Kishor B. Deshmukh (Office Suptd.)

9. Member- Mr. Kundan Yadav (Non Teaching)

10. Legal Advisor- Adv. P.M. Mohod (NGO in youth activity)

Till date, no incident of ragging of any kind has been reported in the Institute.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Ans.:   The Institution is working towards ensuring social justice through the various students' welfare schemes. The induction programme clearly presents the welfare schemes available to the students. The following welfare schemes are made available for the students.

Scholarships & Free ships:

Details about the scholarships, various free-ships are displayed on the notice board of the institution. The class teachers and counselors guide the students about various welfare schemes. Similarly, scholarships received from central, state government and other agencies are made available to the students.

Institute provides concession in fees to economically weak students as well as fund is provided in case of medical emergency.

- Special Guidance Scheme for students
- Disaster Management at College level
- Health Services
- Blood group identification &Hemoglobin Estimation of Students in Blood donation camp.

5.1.14 Does the Institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Ans.:   Yes', Reg No: MH / 201/ 2013

Institute arranges Alumni meet once in a year**.** The Alumni take this meet as an opportunity to meet with the juniors and guide them on various aspects. They are associated with the institute and provide their educational or employment related updates.

The association helps rejuvenate the memories of the Institute, and form a network of Alumni. Today it is the backbone of the institution.

Alumni Association is composed of 11 members:

1. President : Mr. Atul Jamnekar
2. Vice President: MR. Falesh Shelke
3. Secretary: Mrs. Aparna S. Bhande
4. Joint Secretary: Mr. Rushikesh S. Kene
5. Treasurer: Mr. Mohd. Aamir Malik
6. Member: Mr. Shrikant L. Borole
7. Member: Miss Payal P. Kilor
8. Member: Mr. Hemanshu L. Khakole
9. Member: Mr. Aman S. Sahu
10. Member: Miss. Apurva S. Ubhale
11. Member: Miss Nrushali S. Ajankar

Major activities of this association are

- Networking with alumni
- Arranging alumni meets
- Creating alumni chapters
- Conveying institute updates to alumni
- Getting feedback from alumni
- Maintain record of alumni contributions like expert lectures, placement activities etc.

Contribution of Alumni:

- Alumni have their communication network. They post the articles of the new technologies, advancements and career opportunities.

- Alumni always help the institute for the Placement purposes.

- Alumni visit the Institute for sharing their valuable experiences with juniors. They provide guidance related to curriculum enhancement, lab development, industry oriented project work, trainings and visits.

(**Please refer Annexure VI: Alumni Association Registration Certificate**)

5.2 Student Progression

5.2.1 Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student Progression	2013-14	2014-15	2015-16
	Number	Number	Number
UG to PG	50	12	18
Campus Recruitment	82	70	115
Off Campus Recruitment	37	22	35

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)?

Furnish programme-wise details in comparison with that of the previous performance of the same Institution and that of the Colleges of the affiliating university within the city/district.

Ans:

Programme-wise details in comparison with that of the previous performance (Final year Result) of the same Institution and that of the Colleges of the affiliating university within the city/district:-

Branch	CSE			EXTC			ELECTRICAL		
Year	S-14	S-15	S-16	S-14	S-15	S-16	S-14	S-15	S-16
Name of College									
PRPCOEM	98.31	98.33	93	94.64	88.24	94	100	98.46	88
PRPCOET	100	96.55	85	98.11	80.88	86	90.77	100	82
GHRCEMA	85.71	93.33	93	89.7	83.02	77	94.73	83.67	68

Collegewise Result Analysis
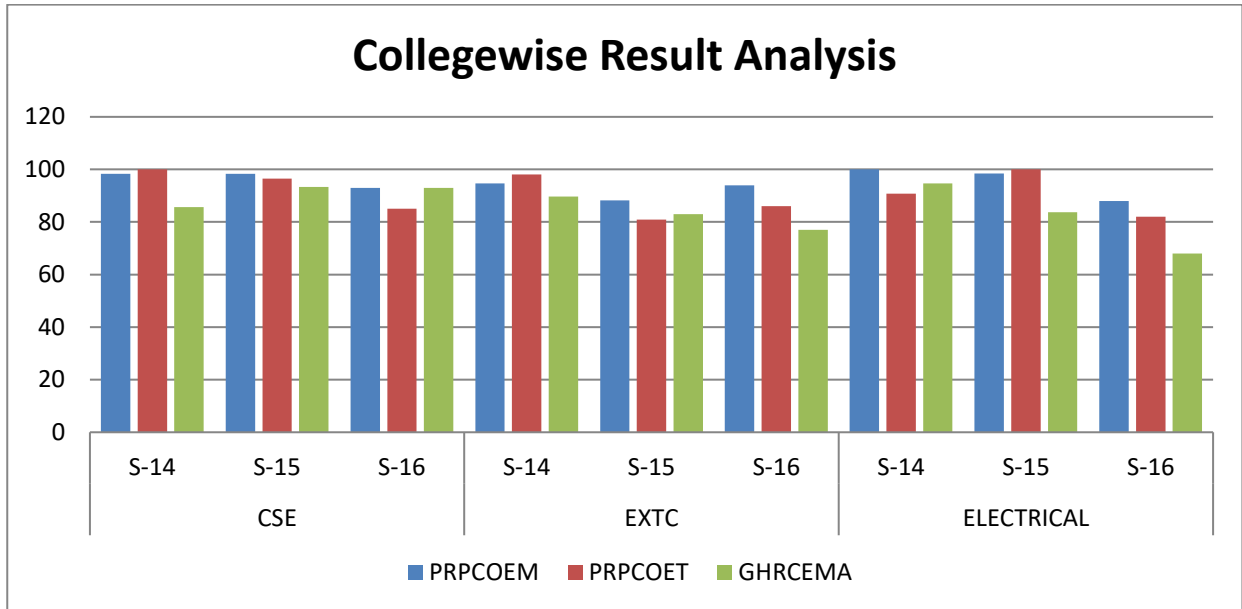
Branch	Result of Mechanical Engg.		
College Year	S-14	S-15	S-16
PRPCOEM	88.41	85.95	94
PRMIT&R	90.76	82.64	92
GHRCEMA	87	79.5	95

Collegewise Result analysis for Mechanical Engg
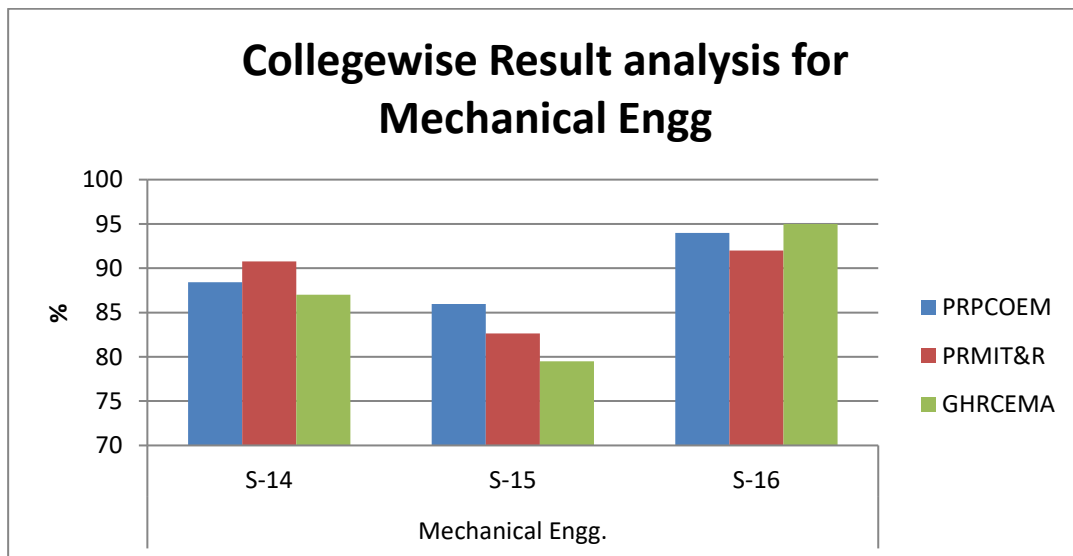
5.2.3   How does the Institution facilitate student progression to higher level of education and/or towards employment?

Ans.:   Career Talks / Expert Lecture:

With a view to bridge the gap between industrial requirements and academic curriculum, experts from the various fields of engineering and management are invited to enable the students to know about the requirements of industries and accordingly prepare for the future.

- **Aptitude skill:**

To appear for any company's interview in either campus or off–campus, aptitude test is the first stage. Therefore, Institute hires an agency to give the training about aptitude for third and final year students.

- **Mock Group Discussion**

Prospective employers conduct Group Discussion round in their recruitment process. For comfort and ease during such actual G.D., practices in advance are always desirable. Departmental T & P coordinator plans Mock G.D. process.

- **Mock Interviews**

For getting feel of actual interviews, T & P department arranges Mock Interviews. Many successful students placed through campus placement have given credit of their success to such Mock Interviews.

- **Industrial Training**

Students are encouraged for training in industries during summer and winter vacations. This training helps them to get acquainted with industrial work practices and to enrich their technical knowledge.

- **Counseling for Higher Education**

Individual counseling is provided to students for enhancing their employment potential in various industries /organizations including self employment, opportunity in government services, and scope of higher education within the country and abroad and apprenticeship scheme after their graduation.

5.2.4   Enumerate the special support provided to students who are at risk of failure and drop out?

Ans.:   Special support is given to the students who are at risk of failure and drop out as follows.

- Counseling by subject teacher, counselor, and HOD.
- Special assignment, guidance & tutorial are provided.
- Library facility beyond Institute working hours.
- Arrangement of remedial classes if required.
- Concession in fees those are having financial problems.
- Parents are informed about the performance of their ward and they are invited with the student to discuss the reasons and best possible solutions.

5.3   Student Participation and Activities

5.3.1   List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Ans.:   **Activities available to students:**

1. **Sports:** *Students participate in various Sports at Institute level, University level,& National level.*
   - *Indoor Games:* Chess, Badminton, Table Tennis, Carom.
   - *Outdoor Games:* Basketball, Cricket, Football, Volleyball, and Kho-Kho.

2. **Cultural, Extracurricular& Co-curricular Activities:**
   - Gathering: Dance, Drama, Singing, Quiz, Debate etc.
   - Departmental forum: Technical quiz, computer games/ technical activity, guest lectures, seminars, Departmental wall magazine, etc.
   - Youth festival organized by SGBAU.

3. **First year welcome programme.**

Details of participation :(sports)

Participation in Inter collegiate tournaments:

Sr. No.	Nature of Activity	Recognitions/ Awards	No. of Participants			
			2012-13	2013-14	2014-15	2015-16
01	Swimming	--	05	06	09	07
02	Badminton	--	10	10	10	10
03	Kabaddi	--	12	12	12	12
04	Chess	**University Color coat** : Mr. Aman Munot (MBA)	06	06	6	06
05	Cricket	--	32	16	16	16
06	Cross country	**University Color coat** : Mr. Dinesh Dharpawar(Mech)	02	--	--	01
07	Valley ball	--	11	12	12	12
08	Foot ball	--	16	16	18	17
09	Table tennis	--	04	05	04	04
10	Athletics	--	09	10	19	23
11	Kho-kho	--	12	12	--	12
12	Soft ball	--	15	--	--	--
13	Ball Badminton	--	--	--	10	--
14	Boxing	--	--	--	03	01

Participation at Institute level, University level, State level & National Level:

2013-14				
1	Karate	State Level	Gold Medal	01
2	Karate	University Level	--	03
3	Carom competition	Institute Level	Best Player	--
4	Kabaddi	Institute Level	Runner up	
2014-15				
5	Carom competition	Institute Level	First price	**02**
6	KHO-KHO	Institute Level	Best Player	
2015-16				
7	Carom competition	Institute Level	First price	
8	KHO-KHO	Institute Level	Runner up team	
9	Valley Ball	National Level Inter Engg. Soprts Meet	Runner up	10
10	Volley ball	Institute level	3 rd Rank	06
11	Cricket	Institute level	2 nd Rank	11

- Institute organizes a mega technical event, *"TECHELONS"* every year for the students, so that they will get the information about recent technology. The events details are as follows.

  - Paper Presentation
  - Project/ Model Competition
  - Robotics
  - Poster Presentation
  - Contraption
  - On spot games: Town planning, Junk Art, C coding, etc.

Prizes and awards for extra-curricular and co-curricular Events:

Sr. No.	Nature of Activity	Level	Recognitions/ Awards	No. of participants
2013-14				
1	Circuit Mania	International Level	First Prize	02
2	Junk Art	National Level	Second prize	01
3	Mehandi Competition	State Level	First Prize	
4	Dance and drama competition	Institute Level	Second rank	08
5	Fashion show	Institute Level	Third rank	15
6	Music	Youth Festival, University Level	--	06
7	Dance	Youth Festival, University Level	--	09
8	Literature event	Youth Festival, University Level	--	05
9	Theatre	Youth Festival, University Level	--	09
10	Fine arts	Youth Festival, University Level	--	05
2014-15				
1	Mehandi Competition	National Level	First Prize	--
2	Fashion Show	Institute level	Second prize	
3	UNMESH	Institute level	Best anchor award	
4	UNMESH	Institute level	Best dancer award	
5	Dance, fashion show & drama.	Institute level	Third prize	15
6	Music	Youth Festival, University Level	--	06

7	Dance	Youth Festival, University Level	--	10
8	Literature event	Youth Festival, University Level	--	03
9	Theatre	Youth Festival, National &University Level	Third Prize in West Zone Youth	09
10	Fine arts	Youth Festival, University Level	--	02
11	Drama Competition	Institute Level	First (Dept.: ExTc)	01
2015-16				
1	Group Dance (Unmesh-16)	Institute level	First prize (Department of ExTc)	16
2	Ethenic Show	Institute level	First (Department of ExTc)	01
3	Fashion Show	Institute level	First Prize (Department of ExTc)	01
4	Departmental Dance	Institute level	Second Prize (Department of ExTc)	10
5	Engineering Technical Hunt	National (D.C.A. academy and Gram samrudhi sanstha.)	1st Rank	01 (Sanket Bombalge)

Calendar of activities:

Month	Activity
June	Commencement of new session.
July	Induction Program
August	Dahi handi / Janamasthmi
September	Rushi Panchami
December	Industrial tour
January	Technical festival –Techelons
	Annual social gathering " Unmesh"
	Inter college sports week
	Alumni Meet
February	Gajanan maharaj Pragat Din
April	Farewell for Final year students

5.3.2 **Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.**

Ans: The brief details of major achievements of students are as follows:

Academic Year	Name of Student	Department	Activity	Award/ Recognition
2013-14	Mangesh Band	Mech.	Karate	Gold Medal
	Ku. Vijayshri Ingale	Mech.	Badminton	color coat
	Dinesh Darpawar	Mech.	Cross country	color coat
	Mr. Anchal Pardeshi	Mech.	Table Tennis	color coat
	Nikhil Pande	ExTC	Circuit Mania	First prize
	Nandu Adhau	ExTC	Circuit Mania	First prize
	Daya Joshi	ExTC	Junk Art	Second prize
	Ms. Sanchita Mangale	ExTC	Poster Presentation	First prize
	Sumedh Gawai	ExTC	Debate Competition	First prize
	Ram Wairale	ExTC	Debate Competition	Third prize
2014-15	Ku. Komal Dhok	Mech.	Youth Festival	color coat
	Ms. Sanchita Mangale	ExTC	Poster Presentation	Second prize
	Sumedh Gawai	ExTC	Paper Presentation	Second prize
	Pratiksha Domane	ExTC	Paper Presentation, Techelons-2015	First prize
	Shubham Raut	ExTC	Paper Presentation, Techelons-2015	Second prize
	Siddhesh Alone	ExTC	Drama Competition	First prize
	Pallavi Mutkure	CMPS	Robotics Competition	Second prize
		CMPS	Web Page Design	Second prize
	Saurabh Suramwar Paankaj Bais Lobhesh yeul Dipika Golhar Kalyani Mandlik		Project/ Model Competition National Level event Techelons-2015. Project: " Hybrid Solar Cooker"	First prize
2015-16	Utkarsh Rathod	Mech.	BHAU Foundation, COE, Pune	Best Ambassador Award
	Mr. Shubham Gupta Mr. Saurabh Pathak Mr. A. Shirkhedkar Mr. Pawan Chunade	Mech.	BHAU Foundation, COE, Pune	Best project Winner in Agriculture sector

	Komal Yenkar	ExTc	DCA, Talent Hunt Exam	Second prize
	Akshay Mahalle Prafulla Bhande Pravin Chavhan Siddhesh Alone Bhushan Wankhede	ExTc	Project/ Model Competition- 2016 Organized by R & D cell, PRPCE&M, Amravati Project: " Electric Fertilizer"	Third prize
	Shreya S. Patel	CMPS	Seed Infotech Pvt Ltd.-2016	1stprize
	Akshay Mahulkar	CMPS	Googler - College level tech fest(Spark 2K16)	1stprize
	Juhi Dakhane	CMPS	Anchoring- Unmesh 2016	2ndprize
	Sonali Harel Minal Dhore	CMPS	Twins Day Unmesh 2016	1stprize
	Mukesh tayade Mumshad Inamdar	CMPS	Top Coder- Spark 2k16 (P.R.Patil College of Engg.& Technology, Amravati)	1stprize
	Taheniyath Shua	CMPS	Vidyotan-2016	1st Prize-Win V-Cup in Treasure Hunt
	Seema Bundele			
	Shubhangi Chikte			
	Priya Sakharkar			
	Bhagyshree Dhopte			
	Savinay Bhojane			
	Shubham Devalpalliwar			
	Kunal Shambharkar			

5.3.3 **How does the Institute seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

Ans.: Institute collects feedback from the Employers and graduates in the prescribed format. Feedbacks contain information about curriculum improvement, effective teaching methodologies, needed resources in laboratory and library, possible avenues and resources for co-curricular & extra-curricular development. The feedback helps in designing the training modules prepared by department and T &P cell for the current students. Employers and alumni give valid suggestions on curriculum development and other infrastructure facilities.

5.3.4 **How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

Ans.: Institute is committed for students' all round development. Students are encouraged to publish articles, paintings, photographs etc. at the departmental/ institutional e-magazines and newsletters. Institute makes available following resources and provides opportunities.

- Every department has a wall magazine and newsletters where students put up their literary and technical articles.
- Contents are changed once in a month.
- Institute publishes annual magazine *"POTEntial"* which includes sketches, articles and photographs, which reflects students' talent.

List of publications/materials:

Sr. No.	Name of Magazine	Name / Type ofPublication
1	Urja	e-magazine of Department of Electrical Engineering
2	POTEntial	Annual magazine of the Institute
3	Souvenir of Paper Presentation	Paper presentation is the event of Techelons (Technical Festival)

5.3.5   **Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Ans: The College Student Council is formed every year following the rules and regulations of the University statute Part 1 No: 4/97 dated 15/7/1997, 6/99 dated 3/9/1999, 15/2000 dated 30/8/2000 and 27/2003 dated 25/7/2003.

The procedure of selection is as follows:

Nominations for Class Representatives (CR) satisfying the criteria are called from each department. The criteria for CR are as follows:

1.   He / She should be last year's topper (Considering both the semester).

2.   He / She should not be a failure & readmitted student in same class.

3.   He / She should not be ATKT student.

4.   Other than this HoD also has the authority to select the CR.

Then the First Topper student is nominated as CR after scrutiny.

Applications are called for boys and girls representative in activities like NSS, NCC, Sports, Cultural, etc.

These applicants must satisfy the following criteria:

1.   He / She must have represented the above-mentioned activity.

2.   He / She should not be a failure & readmitted student in same class.

3.   He / She should not be ATKT student.

- The student council is selected & constituted as per Sant Gadge Baba Amravati University, Amravati norms.

- After receiving the applications for the different positions, scrutiny is performed by the Principal and Faculty In-charge.

- Election of Secretary of College Student Council is conducted.

- Results are immediately declared and council is formed. The results are communicated to University.

- There is no funding from any Govt. body. Institute bares all the expenses.

Student Council Constitution (2015-2016 & 2016-2017): For this year the student council has been canceled as per the directions by SGB Amravati University, Amravati

5.3.6   Give details of various academic and administrative bodies that have student representatives on them.

Ans.:   The committees, which include student representatives, are as follows.

- Student Council
- Cultural committee.
- Magazine committee.
- Sports committee
- Anti ragging committee
- Alumni committee.
- R and D committee
- Student placement committee
- NSS (National Service Scheme)
- Departmental students' forum
- Technical student associations like ISTE, IEEE, CSI, ICJ, etc.
- Tech fest "Techelons".

5.3.7   How does the Institution network and collaborate with the Alumni and former ` faculty of the Institution.

Ans.:   The Institute is having a vibrant network of alumni at the Institute

- College has a registered Alumni Association, which keeps in touch with all ex-students and their current employment or education status.
- Regular alumni meets are organized.
- Alumni are informal part of teaching learning process through modes like expert lecture and mentoring students.
- Social sites like Facebook, Whatsapp are few of the tools used for networking with alumni other than direct communication.
- Alumni are a part of social extension activities at the institute.
- Alumni can access day-to-day activities of Institute through website and campus ERP.

Former faculty

- Former faculty is invited as experts for the relevant subjects in teaching learning process, during project exhibitions, competitions, workshops, seminars etc.

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CRITERION-VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

</div>

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Ans.:

Vision: -

"To flourish as a centre of excellence for producing the skilled technocrats and committed human beings"

Mission: -

- To create conducive environment for teaching & learning.
- To impart quality education through demanding academic programs.
- To enhance career opportunities by exposure to recent technologies & Industries.
- To develop professionals with strong ethics and human values for the betterment of society.

- **To create conducive environment for teaching & learning.**

    The Management intends to develop and ensure effective conduction of educational programs and promotes the improvement of teaching-learning in the college by providing effective policies and resources. The Principal strives to create a climate which fosters overall development of the students and faculty.

- **To impart quality education through demanding academic programs.**

    The Institute imparts quality education to UG & PG programs. The Institute has also introduced value addition programs, conducted through various MoUs signed with organizations/industries. The Institution has ISO 9001:2008 certification.

- **To enhance career opportunities by exposure to recent technologies & Industries.**

  The students and the faculty are sponsored to visit industries and research centers to update themselves with recent technological developments. Faculty members are encouraged to participate in the various events like FDP, STTP, workshops, seminars, conferences and publications. Institute organizes a mega technical event, "TECHELONS" every year for the students, so that they will get the information about recent technology.

- **To develop professionals with strong ethics and human values for the betterment of society.**

  Referring to the last statement under 'Mission', the Institute observes some traditional programs like *Rushi panchami, Gajanan Maharaj pragat din, Dahi Handi, dindi,* etc. The Institute organizes programs based on social welfare periodically (such as blood donation camps, tree plantation, women empowerment, etc.) for ethical and human values orientation of the students and staff.

6.1.2 **What is the role of top management and faculty in the design and implementation of its quality policy and plans?**

Ans.: The top management of the Institute comprises -

- Governing Body
- Local Management Committee
- Principal
- HODs

The top management plays significant strategic role in realizing Institute's vision directed towards positioning the Institute in the realm of top ranking institutes in the country.

Governing Body is the apex body of the Institute, constituted by the parent trust. It provides guidelines and strategic direction for aligning the programs, policies and processes of the Institute.

The Management considers the suggestions/interaction with various governing bodies like Board of Governors, Local Management Committee etc. The Management

regularly interacts with the Principal & HODs to review the implementation process of the quality plans.

Necessary provisions are made for providing the funding to maintain and improve the quality of infrastructure, faculty, teaching-learning process and research.

Principal

The Principal

- is an active member in deciding the quality policy and preparing the action plans.

- leads the faculty while the action plan is being implemented within the Institute and provides directions to the faculty and coordinates them wherever necessary.

- communicates the opinion of the Top Management to the faculty and staff regarding the responsibilities and duties assigned to each component of the Institute.

- intends to develop and ensure effective conduction of educational programs and promotes the improvement of teaching-learning process in the Institute.

- strives to create an environment which fosters development of the students and staff.

- constitutes various committees for executing activities in accordance with policies laid down by the Management. Difficulties faced by faculty members during the execution are sorted out in the meetings with the HoDs and/or the Top Management.

- Contributes to develop the means and tools for assessing the quality of education.

- Takes initiative to develop the liaison with the eminent academicians, scientists, industries, professional bodies and renowned institutes which directly or indirectly helps in planning and implementing the quality policy.

- Keeps herself/ himself updated about the Indian and global education scenario, research in education, industry and stakeholders' expectations.

- Gives relevant feedback to the faculty and the students and motivates them to achieve quality in their domain.

Role of Head of Department:

The role and responsibilities of Head of the Department in academic and administrative matters are as follows:

- The entire administration of the department.

- To propose the budget for purchase of laboratory equipments and consumables, renovation work etc. also to ensure that allocated budget is properly utilized in the department.

- To submit the requirement of books and periodicals to the library.

- To supervise the academic work within the department.

- To supervise co-curricular &extracurricular activity within the department.

- To supervise student counseling within the department.

- To prepare various reports to be submitted to University, DTE, and AICTE etc.

- To conduct departmental meeting regularly.

- To recommend staff members for higher studies as well as attending Seminars, Conferences, STTP, Workshops, etc.

- To organize International/National Seminar/Conference in the Department.

- To observe and analyze faculty's teaching and provide them with necessary feedback for improving the effectiveness.

- To ensure Departmental discipline of the students; punctuality in classes and other lectures and activities.

- To encourage, facilitate and bring about more industry sponsored projects to the Department.

- Any other work assigned by the Director / Principal from time to time.

Faculty

Faculty at the Institute

- play diverse roles at various levels in the entire value chain of academic and allied processes.

- are actively engaged in a wide range of academic and allied functions and processes.

- are responsible for

  - plan and delivery of course contents.
  - achieving course objectives by mapping learning outcomes of their courses and aligning them with the program level goals.
  - periodical review of curriculum and pedagogy.
  - contributing towards achieving excellence in teaching, research and training.

- Have active involvement and participation in academic administration, Institutional development and student development initiatives.
- To execute planned industrial visits, trainings for students.
- Syllabus revision work in coordination with University authority.
- Any other work assigned by the HoD and/ or Principal from time to time.

6.1.3   What is the involvement of the leadership in ensuring:

- **The policy statements and action plans for fulfillment of the stated mission.**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.**
- **Interaction with stakeholders.**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.**
- **Reinforcing the culture of excellence.**
- **Champion organizational change.**

Ans.:

The involvement of the leadership in ensuring:

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

- The management takes responsibility to provide the facilities, qualified human resource, state-of-art infrastructure and financial resources.
- They encourage the faculty for R & D activities and also guide them to actively involve in realizing the goals and objectives of the Institute for quality education.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- The action plans are prepared under the supervision and guidance of the Management, Principal, Vice Principal, and HODs.
- Academic calendar, lesson plans etc. are prepared for smooth conduction of academics.
- Various committees like - Academic Monitoring Committee, R & D committee, Time table Committee, Class Coordinators, counselors, Training & Placement Cell Coordinators, Sports Committee, Cultural Committee, etc. are formed for effective implementation of action plan.

Interaction with stakeholders

- Parents are encouraged to actively participate in the ward's education through real time feedback of the progress, counseling of the students along with their parents.

- Students are important stakeholders in an organization success. They are equipped with career oriented trainings, seminars and workshops.

- Feedback from stake holders helps to decide the action plan.

Proper support for policy and planning through need analysis, research inputs and consultation with the stakeholders

- The Institute leadership understands the needs of the society through its interactions with university, AICTE and other academic authorities.

- The management supports any new plans for the benefits of its stakeholders. Based on the employers and alumni feedbacks, the students are given additional trainings for improvement.

- Principal and HODs review the progress for continuous improvement.

Reinforcing the culture of excellence

- The Institute always benchmarks itself against the best practices.

- It channelizes the procedures and practices with respect to the prevailing external environment and hence proves to create an atmosphere as Centre for Excellence.

Champion organizational change

- The Institute pioneers in the field of changes in organizational set up by becoming an outward looking organization with focus on benchmarking against the best.

- It makes use of performance metrics in terms of pass percentage, placement percentage, etc. to design appropriate strategies.

- These are communicated to the employees so that they execute and accomplish the requirement as per the strategies set.

6.1.4   What are the procedures adopted by the Institution to monitor and evaluate policies and plans of the Institution for effective implementation and improvement from time to time?

Ans.:   The Top Management's meetings are conducted periodically. In these meetings, policies and plans are decided and reviewed.

The Principal conducts the meetings with Vice Principal & HoDs regularly to monitor academic and student related activities.

Faculty meetings are conducted in every Department frequently to convey plans and instructions discussed in HoD meeting and initiate their implementation as well as take feedback about the plans being implemented.

The Institute has a staff council which constitutes Principal, Vice-Principal, HODs, and teaching staff of all disciplines meets regularly to discuss functional problems and routine working. These discussions and deliberations also help to solve interpersonal conflicts and organizational stress, if any.

Some specific functions are executed through various Institute committees.

6.1.5   Give details of the academic leadership provided to the faculty by the top management?

Ans.:   Academic leadership is required for the Institute's progress towards achieving the vision, mission, goals and objectives.

- The top management gives full freedom to faculty members to present their suggestions and views for the Institute development.

- The faculty members are actively involved in decision making process at all levels.

- LMC at the Institute also consist of faculty and staff representatives.

- Faculty are actively involved in student counseling, grievance redressal committee, anti-ragging committee, discipline committee, alumni association, time table committee and committees for events like annual function, sports week.etc.

- Meetings of the various committees are conducted in which the faculty members provide suggestions on different issues like subject allotments, laboratory and library requirements, student projects, etc.

- Management encourages staff to use latest technology and provides required infrastructure and equipment.

- The Management ensures academic freedom to the faculty members in teaching process and research.

6.1.6   How does the college groom leadership at various levels?

Ans.:

Student Level

- Representation of students in various committees.

- By forming the student council as per the guidelines of SGBAU.

- By providing opportunities for the students to take active participation in various programs such as seminars, national and international level conferences, all curricular and extra -curricular activities.

- Students are motivated in organizing or conducting academic and non-academic programs which help them to groom leadership qualities.

Faculty level

- Nominating faculty to various committees at university level.

- Appointing HODs and staff as members of LMC.

- Entrusting faculty as members and coordinators of various Institute level committees.

- Faculty members are encouraged to act as a mentor.

- Institute provides them opportunity to act as coordinators for preparation of NBA and NAAC related documents.

- Organizing different events like Annual Function, Sports Week, Technical events, etc., and other similar functions.

Head of the Department

- They are empowered to administer departmental teaching, learning, research and aspects of physical and infrastructure resources.

- Monitoring Students' academic and curricular activities.

- Responsible for overall functioning of department.

- Groom staff members to lead various departmental as well as institutional committees.

Principal

- Member secretary of GB, LMC of the Institute.

- Member of various committees at Institute level.

- Heading academic and administrative activities of the Institute.

- Forms various committees and appoints faculty/staff members as head of such committees for grooming leadership.

6.1.7   How does the college delegate authority and provide operational autonomy to the departments/ units of the Institution and work towards decentralized governance system?

Ans.:   The Institute believes in promoting a culture of decentralized governance system.

- The Institute decentralizes the authority and provides operational autonomy to the Principal, HoDs, and various committee coordinators.

- Empowering HOD to plan, implement and monitor academic works assigned to faculties. Also authorized to organize faculty and student development programs.

- The Head of Institution being empowered to allocate budget on the basis of proposals received from the departments.

- Empowering the faculty member in-charge of a laboratory to devise and implement the necessary plans for effective conduction of the laboratory.

- Various functional committees are formed every year and their responsibilities and functions are earmarked.

6.1.8   Does the college promote a culture of participative management? If "yes", indicate the levels of participative management.

Ans.:   Yes, The College consistently promotes a culture of participative management.

- All the stake holders viz. Parents, Students and Staff have representation on the various statutory and designated bodies.

- The faculty members are actively involved in planning and implementation of the academic calendar and teaching-learning process. They also plan and organize co-curricular and extra-curricular activities, in association with non teaching staff and students.

- Heads of Department also invited to participate in staff recruitment process, planning of budget and procurement of equipment, research activity and management oriented activities.

- Suggestions and feedback from stakeholders are used to improve the teaching learning process.

- Student Representative Council, Student Placement Committee and various student forums are actively involved in the organization and implementation of various programs.

6.2 Strategy Development and Deployment

6.2.1   Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Ans.:   Yes, the institute has a formally stated quality policy in consultation with stake holders, management and external agency.

Quality policy:

"We, the members of P. R. Pote (Patil) Education & Welfare Trust's, Group of Institutions, College of Engineering & Management, are committed to impart Quality Technical and Management Education as per needs and expectations of the students.

This shall be achieved through competent faculty, adequate infrastructure and resources, conducive academic environment and continual improvement of Quality Management Systems."

On the basis of vision and mission of the Institute, management has framed the quality policy driven as per the needs of industries, society and stakeholders to bridge the gap in curriculum and the same is deployed and monitored through:

- Providing excellent infrastructure and conducive learning environment.
- Building a harmonious work culture and motivating everybody to contribute his or her best.
- Proactively responding to the changing needs of industry, parents and the society by adopting latest technological trends in the field of education.
- Complying with requirements of standards and striving continually to improve the quality of teaching learning in the institution.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Ans.:

The institute has formulated perspective plans for development in following areas.

- New infrastructure
- Academic achievements/ new programs
- Research and Development
- Establishing MoUs with industries, national and international organizations and research agencies for collaborative research.
- Accreditation.

The perspective plans are formulated by the top management, Principal, HoDs with an objective of progressing towards realization of the vision. Also, the inputs from stakeholders and vision of the ever changing global scenario are considered for inclusion. The plans are reviewed periodically throughout the year.

6.2.3 **Describe the internal organizational structure and decision making processes.**

Ans.:

The Institute's function is based on the organizational chart shown below.

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                          ┌─────────────────┐
                          │ Governing body  │
                          └────────┬────────┘
                                   ▼
                          ┌─────────────────┐
                          │ Director/ Principal │
                          └────────┬────────┘
                                   ▼
                          ┌─────────────────┐
                          │ Vice-Principal/ Dean │
                          └────────┬────────┘
      ┌────────────────────────────┼──────────────────────────────────┐
      ▼                            ▼                                   ▼
┌───────────┐              ┌──────────────┐                      ┌────────┐
│ Academics │              │ Administration │                    │   MR   │
└─────┬─────┘              └──────┬───────┘                      └───┬────┘
      │                           ▼                                  │
      │                 ┌──────────────────┐                        │
      │                 │ Registrar / Office │                      │
      │                 │ Superintendent     │                      │
      │                 └─────────┬────────┘                        │
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Purchase & Stores	HR	Establishment	Student Section	Scholarship Section	Accounts

Establishment →
Security	Transport	Housekeeping	Reception & First

MR → Infrastructure Maintenance → Support from Departments like Mechanical, Civil.

Academics →
Dept.	NSS	T&P	Sports I/C	Library

Dept. → HOD → Faculty → Lab Asst. → Lab Attendant

Decision making process:

New proposals, decision-making issues are presented to higher level for approval. If the proposal falls within the boundaries of autonomy/ authority provided to that level, the decision is taken at that level. Else, it is sent to the higher level and so on.

Depending on the nature/ category of the proposal or issues, the HoD discusses with the Principal / Vice Principal. The Principal takes final decision after necessary discussion with the top management.

In all administrative decisions related with non-teaching staff, the Administrative Officer plays a major role along with the Principal.

6.2.4   Give a broad description of the quality improvement strategies of the Institution for each of the following_

- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Ans.:

Teaching & Learning

- To provide best teaching-learning atmosphere to staff and students.
- To provide training to staff and students for skill development.
- Modern teaching aids have been provided to the faculty to implement in the classroom teaching like digital boards, LCD projectors.
- Special trainings are arranged for aptitude and soft skill for the students.

Research & Development

- Faculties are allowed for special leave to attend the seminars, research activities etc.
- Faculty members are motivated for pursuing Ph. D.
- Institute has 09 faculty members having Ph.D. &13 faculty members pursuing Ph. D.
- Publication by faculty in different International and National refereed journals, books, articles in edited volumes, seminar proceedings etc. is encouraged.
- Also, project proposals are submitted to different funding agencies like DST.

- Institute encourages the research and innovations among students by giving rewards and appreciations.

Community engagement

- Institute conducts the community programs through NSS, departmental forum etc.
  Few of the community programs conducted are
    - ➢ Blood donation Camps
    - ➢ Tree plantation
    - ➢ Health check-up camps
    - ➢ Passport camp.
    - ➢ Adhar card camp.
- The Institute promotes cultural activities to nurture creative instinct in the students.

Human resource management

This is achieved through

- Faculty development programs for enhancement of quality of teachers.
- Well-defined recruitment policy based on merit.
- Providing a better teaching-learning environment in the Institute.
- Providing on duty leave to the faculty for attending seminars, symposia, workshops, invited lectures and research oriented activities.

Industry interaction

Institute accomplishes the number of activities and facilitates industry interaction in various ways.

- Guest lecture on the latest updates of the industries and technology by industry personnel are organized.
- Industrial visits are organized, as an activity, which gives exposure to the industry environment.
- Implant training/ Internship provides the opportunity to gain hands on work experience that is not get in the classroom. Students are encouraged to go for the implant training.
- Inviting industries for campus recruitment.

6.2.5   How does the Head of the Institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

Ans.:

The feedback from the students regarding the faculty, facilities and other entities are taken at the end of semester. Detail analysis of this feedback is carried out. Also faculty collects the feedback and problems of students during counseling meetings. They report it to HOD. HoDs and Vice Principal convey this information to the Principal. In the meeting of the Principal with the management, this information is discussed. Based on these discussions, activities are revised.

Periodic meetings with alumni, parents, students and staff ensure that all the stakeholders are aware of the college activities.

The Principal discusses the day to day functioning of the Institute with the management.

The management will decide any improvements or modifications. Based on that, necessary circular is generated and circulated.

6.2.6   How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Ans.:

The management always encourages and supports the involvement of faculty and staff in improving the Institutional process by

- Delegating the authority through HoDs, Section in-charge, coordinators and members of committees.
- The staff is involved in planning and implementation of Institutional processes.
- Apart from regular official meetings, the top management discusses with the faculty members about plans for Institutional development.
- Ideas from employees are encouraged, appreciated and implemented after discussion.

6.2.7   Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Ans.:

The resolutions are passed in the LMC meeting

- The audited balance sheet of the Institute for the year 2014-15 was considered and approved.
- The proposed budget of the Institute for the year 2015-16 was considered and approved.
- Resolutions passed by LMC were discussed and resolved.
- The status of students' placement for the year 2014-15 was reviewed.
- The status of faculty recruitment for the academic year 2015-16 was reviewed.

Status of the implementation of these resolutions:

- By reviewing the balance sheet, a proposal is sent to the Shikshan ShulkSamiti for increase in the tuition fees.
- To improve the students' placement, the TPO has arranged a training program for third year and final year students of all departments.

6.2.8   Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the Institution in obtaining autonomy?

Ans.:

Yes, the Affiliating University has a provision for according autonomy to an institution.

The Institute initiated efforts to accredit its program through NAAC and NBA and later on provision to go for autonomy.

6.2.9   How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

Ans.:

The Institute has a grievances cell to resolve the grievances of students and staff.

- Grievances/complaint committee provides facility to register their complaint/ suggestion by providing locked boxes at various locations in campus.

- Based on the grievances / complaint received, the committee conducts meetings, discusses with students, faculty and staff, and takes the necessary steps to resolve the grievances immediately.

- Anti-ragging rules, regulations, and committee are displayed at prominent locations and published on website.

- Minor departmental complaints are resolved at departmental level by HoD.

6.2.10. During the last four years, had there been any instances of court cases? Provide details on the issues and decisions of the courts on these?

Ans.:

No, there has been no court case filed till date by and against the institute.

6.2.11. Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the Institution to such an effort?

Ans.:

Yes, the Institution has a mechanism for analyzing the student feedback on Institutional performances.

- The feedback from the students regarding the faculty, facilities and other entities are taken once in a semester.

- Feedback from other stakeholders i.e. alumni, parents, employer is collected once in a year.

- Analysis of this feedback is carried out.

- Based on received feedbacks, the Institution takes corrective measures to improve its performance.

6.3 Faculty Empowerment Strategies

6.3.1   **What are the efforts made by the Institution to enhance the professional development of its teaching and non-teaching staff?**

Ans.:

The Institution supports the teaching and non-teaching staff to enhance professional development by

- Encouraging faculty members to associate with state, national and international professional bodies.
- Encouraging the faculty to interact with the Industries, renowned researchers, consultants, entrepreneurs, and business enterprises.
- Encouraging participation of faculty in FDPs, seminars, workshops and conferences.
- Motivating the faculty and staff for arranging industrial training programs/visits.
- Allowing the non-teaching staff to attend skill development and training programs. Also allowing them to improve their educational qualifications.
- Providing preparation Leave for faculty pursuing their higher studies.
- Arranging invited talks by eminent technocrats and interaction with them.

6.3.2   **What are the strategies adopted by the Institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

Ans.:

- The Institute deputes the faculty for trainings i.e. FDPs, STTPs.etc organized by other organizations. Institute also organized FDPs, workshops, etc.
- Institute invites resources persons such as industrialists, researchers and academicians for interactions with the faculty.
- Institute encourages the expert faculty to motivate young faculties by giving essential inputs, providing training on lecture delivery/ laboratory work and seminar/ project guidance.
- Creating an open atmosphere for personal growth and to clarify the doubts, concepts and difficulties.

6.3.3 **Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

Ans.: Standard self-performance appraisal format is filled by individuals and submitted to the Principal through the Head of Department with a due remark at the end of academic year.

Performance appraisal system of the faculty

The information includes

Part A: General information and academic background, courses/STTP attended during the year.

Part B: Academic performance information - Teaching, learning and evaluation related activities, co- curricular, extension, professional development related activities, Research publications and academic contributions.

Part C: Other relevant information.

Appraisal is reviewed based on the performance. Suitable appreciation is given to the deserving ones by the management.

6.3.4 **What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

Ans.: Vigilant scrutiny of appraisal reports helps in analyzing the performance of the faculty/staff.

Outcome: The best part of the Performance Appraisal report is that each faculty becomes aware of the areas of improvements.

Decision: Based on the performance appraisal report analysis, following decisions are taken.

- Promotions are given to the faculty and staff.
- Heads of various committees at Institute level are identified.
- The Principal along with relevant HOD personally counsels faculty with average performance.

Communication with stakeholders: Decisions are communicated through personal interactions with stakeholders.

6.3.5 **What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

Ans.:

The following welfare schemes/ facilities are available.

- Free medical facility is provided to students, staff and faculty in college hours.
- Group Insurance scheme
- PF as per rule
- Maternity leave
- Medical leave
- Mediclaim policy.
- Gratuity

6.3.6 **What are the measures taken by the Institution for attracting and retaining eminent faculty?**

Ans.:

- As our institute is comparatively new, we are trying best for attracting the eminent faculty. Experienced and qualified faculty is appointed as and when identified.
- The institute offers freedom of work and gives opportunity to excel in the domain of individual. In addition, it assigns higher administrative posts to the eminent faculty.
- Additional incentives/increments are provided to experienced and qualified Ad-hoc faculty.
- The institute provides functional office infrastructure and other space to carry out their work effectively.
- For retaining the eminent faculty, budget is allocated for staff development, advanced study, research, participation in seminar, conference, workshop etc.

6.4 Financial Management and Resource Mobilization

6.4.1   What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Ans.*:*

- In the beginning of every academic year, the budget is prepared by various departments and sections in the prescribed format as per the circular issued by the Principal.

- Concerned HODs, in consultation with the department laboratory in-charge and other faculties, prepare budget for the departments.

- The departmental budgets are discussed with the Principal in HOD's meeting and then sent to the management for approval/ sanction.

- In Budget, provision is made for procurement of equipments, books, journals, infrastructure, research and developments activities, administrative and maintenance expenses.

      There are well-defined policies and mechanism for implementing the budget effectively.

6.4.2   What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Ans.:

External Audit

External auditor (ISO) is appointed by the parent trust who executes the statutory audit. Last audit was carried out on 30th June 2015. No major irregularities were found in the audit and minor suggestions were complied.

Internal Audit

Internal auditors are appointed by the parent trust and internal audit is carried out quarterly. No major irregularities were found in the audit and minor suggestions were complied.

6.4.3   What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus   available with Institutions, if any.

Ans.:   The status of our Institution/ College is "Self Financed", non-aided private engineering college. The major source of receipts is Fees from the students. The Fee (Tuition Fee and Development Fee is decided by Shikshan Shulka Samiti, Govt. of Maharashtra). Our College is affiliated to S G B Amravati University, Amravati. Other fees are collected as per Directives of S G B Amravati University, Amravati. In addition, the Parent Trust provides the entire infrastructure (Land Building and Immovable Property).

If there is any deficit, then the Trust decides on ways to manage it. If required, the Trust raises loan from the financial institutions.

The reserve / corpus fund is maintained at the Trust. Audited income and expenditure statement of academic and administrative activities of the previous four years   are available.

Details of Income and expenditure (Rs. in Lakhs)				
Particulars	**2012-2013**	**2013-2014**	**2014-2015**	**2015-2016**
Income	912.61	1147.93	1398.40	1631.34
Expenditure	933.41	1110.79	1298.21	1459.85

6.4.4   Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

Ans.:

For acquiring additional funding, the Institute generates revenue through projects sponsored by organizations like DST etc. The details are as follows:

Department	Funding (Rs)	Funding agency
Mechanical Engg.	6,00,000/-	IEDC, DST, New Delhi
Electrical Engg.	9,00,000/-	IEDC, DST, New Delhi
Electronics & Telecommunication Engg.	2,00,000/-	IEDC, DST, New Delhi
Computer Sc, & Engg.	25,00,000/-	Online exams
MCA	1,00,000/-	Management of MCA Association

6.5 Internal Quality Assurance System (IQAS)

6.5.1   Internal Quality Assurance Cell (IQAC)

a. Has the Institution established an Internal Quality Assurance Cell (IQAC)?
If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

d. How do students and alumni contribute to the effective functioning of the IQAC?

e. How does the IQAC communicate and engage staff from different constituents of the institution?

Ans.:

a. Yes, the Institution has an IQAC and ISO 9001:2008 practices for quality assurance. The Institutional policy has always been to improve the academic and administrative performance of the Institute, inculcate the research culture among the faculty and students.

The IQAC meets periodically and discusses the following
- Preparation of academic plan and calendar.
- Execution and monitoring of academic plan/activities.
- Organization of seminars/FDP/workshop at the Institute.
- To obtain feedback from stakeholders and make quality enhancement an ongoing process.

b.   The management with few modifications generally approves decisions taken by the IQAC. Here is the list of few important decisions in last few years

- Organization of seminars/FDPs/workshop/Tech Fest.
- Use of digital classrooms
- Submission of LOI and SSR for NAAC.

c.   Yes, the IQAC have external members on its committee from academics, industry and alumni.

d.   For the effective functioning of IQAC, the students and alumni contribute as follows. Responses and opinions of the students on various processes, systems and infrastructure are collected through feedback.

In addition to this, feedback from students through the suggestions is received in the suggestion boxes.

Alumni visit the Institute during alumni meet and on other occasions. Important guidelines are given to students regarding placement and competitive examinations.

e.   IQAC presents its presentations before the Principal and the HoDs during HoD meetings. Faculty and staff from different constituents of the Institution are communicated through the heads of respective units.

6.5.2   Does the Institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

Ans.:   Yes. The integrated framework for quality assurance of academic and administrative activities is displayed in the following figure

- Policies for implementation of best practices in academics in order to assure the quality are framed and approved in advance.
- Further, it helps in simplifying the process of smooth conduction of various academic activities.
- Institute use ICT in administration to speed up the approval processes and to assure the quality.

6.5.3   Does the Institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Ans.:

The staff is trained through Institute level training programs and through department level training programs for effective implementation of the quality assurance procedures. The programs aim at -

- Upgrading the skills and knowledge of the staff.
- Training the staff about work associated with various quality assurance processes.

A few examples of such training programs are

- Faculty development program on 'Recent trends and challenges in Engineering Education'.
- Training on current technological developments.
- Maintenance and calibration of equipments training.

6.5.4   Does the Institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Ans.:

Yes; Institute has received ISO 9001:2008, so as a process of ISO, Institute undertakes academic audit in following matters

Internal Audit

A peer department faculty committee carries out audit of course file of each faculty. This ensures audit of all aspects of teaching learning process.

Every department conducts a separate audit about coverage of syllabus monthly.

External Audit

Committee from ISO Company carries external audit and submits the report to Principal.

Outcome

In case of discrepancies, suggestions are given to the respective faculty for compliance.

If the rate of completing syllabus per month is very poor, then, extra lectures are provided to the respective faculty by making necessary changes in the timetable.

- Departmental library books, faculty number are updated as per the requirement.

- Due to these audits, all problems related to the processes are find out and solved.

6.5.5   How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Ans.: The internal quality assurance mechanisms are tried to align with the requirements of the relevant external quality in the following manner:

- University Deputes Local Enquiry committee to assess the programs in each academic year and carries the inspection of the academic processes to assure quality education and internal quality assurance mechanism follows the guidelines given by them.

- Institute follows the guidelines of the professional bodies like IEEE, ISTE, and CSI regarding quality education.

- The institute quality assurance mechanism are developed using the guidelines of quality assurance agencies like AICTE, NAAC, NBA.

- ISO audit is conducted every year to monitor academic and administrative performance.

6.5.6   What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Ans.:

Following mechanisms are used to continuously review the teaching learning process.

- Audit of academic diary from peer group.
- Mid-semester feedback about a teacher from the students.
- Syllabus coverage every month.
- Counseling the students every month.
- HODs and senior staff members always takes the feedback from students.

Outcome:

- The Quality of Academic processes in the Institute has improved.

- Individual faculty gets inputs to improve his/her performance and hence contribute to the teaching-learning quality.
- The regularity is maintained in the delivery of the curriculum.
- Individual attention to students through mentoring contributes to improvement in students' performance.

6.5.7   How does the Institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Ans.:

The Institute communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders as follows:

- Vision, Mission, Quality policies are displayed on the website of the Institute, on boards at prominent places in campus, printed in the students' diary.
- Vision, Mission and quality assurance mechanisms are included in the information brochure.
- Quality assurance mechanisms and outcomes are informed to various stakeholders during student's induction program, students mentoring sessions, parents meetings, and alumni meetings. Principal's address at seminars/ conferences/interactive sessions with stakeholders etc.

Any other relevant information regarding Governance, Leadership and Management which the college would like to include.

The Institute is a pioneering and leading Institute in the Vidarbha region of Maharashtra state. It has maintained a high reputation in quality of teaching learning processes.

CRITERIA-VII

INNOVATIONS AND BEST PRACTICES

7.1   Environment Consciousness

7.1.1   Does the Institute conduct a Green Audit of its campus and facilities?

Ans: Yes, the Institution conducts a green audit of the campus. Institute maintains high standard in terms of keeping the environment of the campus green and follows practices that are environment friendly.

A natural light audit of the main building of the Institute was carried out in the year 2015-16 by. The scope, status and shortfalls in existing light energy scenario of the Institute were identified.

All the classrooms, laboratories, offices were audited for light fixtures and their efficiencies, availability of day light or the absence of it, comprising with Indian standard norms for good visual lighting.

Periodic calibration and maintenance of equipments is done to get the best performance. Swachha Bharat and Swastha Bharat Campaign initiatives are emphasized at the Institute.

7.1.2   What are the initiatives taken by the college to make the campus eco-friendly?

- **Energy conservation**
- **Use of renewable energy Water harvesting**
- **Check dam construction**
- **Efforts for Carbon neutrality Plantation**
- **Hazardous waste management e-waste management**

Ans.:

Energy conservation

- Each block of institute has individual power control panels, which help in separate control of energy consumption.
- Energy conserving lights like CFL, LED lights are used in the Institute campus.

- Consciousness through awareness program to save energy in classrooms and laboratories when not in use.

Use of renewable energy Water harvesting

College has developed lake inside campus from collection of rainwater, by implementing this rise in the water level is observed nearby the campus.

Efforts for Carbon neutrality Plantation

- Tree plantation-The different types of trees are planted within the campus of the Institute.
- Vehicular exhaust: Number of students and faculties use bikes for daily transportation,
- College has designed and manufactured the E-rickshaw for transportation within college campus.

7.2   Innovations

7.2.1   Give details of innovations introduced during the last four years, which have created a positive impact on the functioning of the college.

Ans.:

Some of the innovations introduced by the institute that have created a positive impact on the functioning of the college are given in following paragraphs:

Interactive Teaching Learning:

Teachers are motivated to make use of interactive methods for teaching learning like LCD projector, etc. Teachers are also motivated to improve the practical knowledge of students through lab sessions.

Students Counseling:

It is a single point to reach to Students mind and get a feedback from students in all respects that is not only restricted to teaching learning process but understand the issues faced by the students that may be affecting Student's performance in the institute.

Foreign Tour:

Free Industrial tour to foreign countries for the topper students from each class.

IEDC cell:

Institute has developed IEDC cell in association with Dept. of Science &Technology, Government of Maharashtra to encourage students for research and innovative projects.

Language Lab:

Institute develops a language lab to improve the communication skill of staff and students.

7.3   Best Practices

7.3.1   Elaborate on any two best practices, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Ans.:

The best practices followed by the Institution are given below.

Practice I

1. Title of Practice I: *Counseling Scheme.*

2. The Goal

The goal of this practice is to establish an open and unrestrained communication with a designated teacher. It is a single point to reach to Students mind and get a feedback that is not only restricted to teaching learning process but understand the different issues faced by the students that may be affecting Student's performance in the institute.

3. The Context:

It is seen that student's performance is not up to the mark, commiserating his abilities and capabilities. The indication of low performance is poor attendance, non-punctuality in submissions of lab work and assignment, poor performance in examination and tests and non-participation in extracurricular and co-curricular activities. A counselor is like a mentor of the student for his progress and enhancing the performance.

4. The Practice:

A counselor is assigned a group of 20-25 students. The interaction between Teacher and students (meeting) takes place twice a month. The Teacher discusses

with the group to understand problems and views of the group. Sometimes teacher also interacts with the student individually. The outcome of the meeting is communicated as feedback to HOD/ Principal for remedial action.

5. Evidence of success:

Few of the evidence of success are quoted as example as follows.

- Students had difficulty in understanding the teaching of some staff members. The concerned staff members were counseled by the HOD/Principal and improvement was observed.

- Expert lectures from experienced faculties were arranged for the subjects like C, C++, etc.

- The performance of students improved in final examination compared to mid semester examination by institute after counseling.

6. Problems encountered & Resources required

The Problems encountered are as follows:

Adequate time is not available for conducting meet but this was overcome by keeping the timetable flexible.

Some students belong to poor economical background, they unable to pay annual fees of college. This problem was overcome by providing scholarship at college level to poor   students.

Practice II

1. Title of Practice II: *IIT BOMBAY VIRTUAL LAB -*An Initiative of Ministry of Human Resource Development (MHRD)

2. The Goal

Virtual Labs will provide to the students the result of an experiment by one of the following methods (or possibly a combination). Modeling the physical phenomenon by a set of equations and carrying out simulations to yield the result of the particular experiment. This can, at-the-best, provide an approximate version of the 'real-world' experiment. Providing measured data for virtual lab experiments corresponding to the data previously obtained by measurements on an actual system. Remotely triggering an experiment in an actual lab and providing the student the

result of the experiment through the computer interface. This would entail carrying out the actual lab experiment remotely.

3. The Context:

- To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.

- To enthuse students to conduct experiments by the arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.

- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures, animated demonstrations and self evaluation.

- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints on time and geographical distances.

4. The Practice:

Virtual labs are conducted basically in the form of workshops in two ways:

1. In house workshop- conducted for the faculty and students of our own institute.
2. Out reached workshop- conducted for the faculty and students of other institutions.

To conduct such workshops we need to schedule it on IITB web portal: www.vlabs.iiitb.ac.in.

5. Evidence of success:

Few of the evidence of success are quoted as example as follows.

- Successfully organized various workshops of virtual lab tutorials for the students as well as faculties.

- Successfully organized the outreach virtual lab workshop for the P. R. Patil college of Engineering and Tech., Amravati.

6. **Problems encountered & Resources required**

The Problems encountered are as follows:

- Some of the Laboratories require separate registration for each of the experiment.

- Some of the simulators are under development so students face the problem while performing the experiments.

7. **Notes (Optional) Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their Institution(about 150 words). : -** NIL

8. **Name of the Principal:** Dr. S. D. Wakde

Name of the Institution: P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions, College of Engineering and Management, Amravati

Office: Phone: 0721-2530342, **Fax:** 0721-2530341

Website: www.prpcem.org

E-mail: principal@prpcem.org

Mobile No: 9404109465

Evaluative Report of the Departments

Evaluative Report of Mechanical Engineering

1.   **Name of the Department   : Mechanical Engineering**

2.   **Year of Establishment   : 2009**

3.   **Names of Programmes/ Courses offered (UG, PG): UG and PG**

Name of the Program	Year of establishment
B. E. in Mechanical Engineering	2009
M. E. in Thermal Engineering	2012

4.   **Names of Interdisciplinary courses and the departments/ units involved**

Sr. No.	Name of Interdisciplinary Course	Department
1	Introduction to Earth Quake Engineering	Civil Engg.
2	Disaster Management	Civil Engg.
3	Basic electrical drives and control	Electrical Engg.
4	Computer software application II	CSE
5	Mathematics	I year Dept.
6	Communication skill	I year Dept.
7	Environmental Science	I year Dept.

5.   **Annual/ semester/ choice based credit system (programme wise):**

   -U. G. Semester based Credit Grade system (CGS).

   -P. G. Semester based Credit Grade system (CGS).

6.   **Participation of the department in the courses offered by other departments**

Sr. No.	Name of Interdisciplinary course	Department
1.	Production Management	Electrical Engg.
2.	Industrial management & quality control	Electronics & Telecom. Engg.
3.	Non-conventional Energy Sources	Civil Engg.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Sr. No.	Name of the Course	Collaborating agency other than University/Industries
1	Soft Skill Training	Globarina
2	CAD/CAE	IGTR, Aurangabad
3	Hypermesh	
4	Solid Works	
5	Master CAM	

8. Details of courses/ programmes discontinued (if any) with reasons: NIL

9. Number of Teaching Post:

Post(UG+PG)	Sanctioned	Filled
Professor	2	00
Associate Professor	4	03
Assistant Professor	22	25

10. Faculty Profile (PG) with name, qualification, designation, specialization

Sr. No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr. S. G. Fale	Ph. D.	Assoc. Prof	Metallurgy	26 (Industry)
2	Prof. V. G. Gore	M. E.	Asstt. Prof.	Thermal Power	17
3	Prof. V.B. Gawande	Ph. D.	Asstt. Prof.	Thermal Power	8
4	Prof. S. S. Dhoke	M. E.	Asstt.Prof.	CAD-CAM	4

Faculty profile (UG) with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc,)

Sr. No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. A. W. Mahore	M. E.	Assoc. Prof	Production	22
2	Prof. P. R. Wadnerkar	M. E.	Assoc. Prof	Production	22
3	Prof. R. S. Pokale	M. E.	Asstt. Prof.	CAD-CAM	12

4	Prof. R. K. Kulkarni	M. E.	Asstt. Prof.	Production	10
5	Prof. P. S. Ardak	M. E.	Asstt. Prof.	Production	9
6	Prof. D. K. Chavhan	M. E.	Asstt. Prof.	Thermal Engg.	8
7	Prof. M. G. Walecha	M. E.	Asstt. Prof.	CAD-CAM	7
8	Prof. P. K. Shivankar	M. E.	Asstt. Prof.	CAD-CAM	6
9	Prof. S. J. Deshmukh	M. E	Asstt. Prof	Mechanical	6
10	Prof. A. T. Bundile	M. E.	Asstt. Prof.	Production	6
11	Prof. A. S. Shaikh	M. E.	Asstt. Prof.	Machine design	5
12	Prof. G. S. Mahalle	M. E.	Asstt. Prof.	Thermal Engg.	4
13	Prof. S. P. Yeole	M Tech	Asstt. Prof.	Thermal Engg.	3
14	Prof. S. B. Patond	M. E.	Asstt. Prof.	Thermal Engg.	3
15	Prof. K. N. Kariya	M. E.	Asstt. Prof.	Thermal Engg.	2
16	Prof. S. S. Mendhe	M. Tech	Asstt. Prof.	Production	2
17	Prof. S. G. Dalu	M Tech	Asstt. Prof.	Production	2
18	Prof. R. D. Khadse	M. E	Asstt. Prof.	Thermal Engg.	1
19	Prof. P. V. Jane	M. Tech	Asstt. Prof.	Production	1
20	Prof. H. S. Umale	M. E.	Asstt Prof.	Advance manufacturing	1
21	Prof. Tushar Mohod	M. E.	Asstt. Prof.	CAD-CAM	1
22	Prof. P. B. Ingle	M. E.	Asstt. Prof.	Thermal Engg.	8
23	Prof. S. Mishra	M. E.	Asstt. Prof.	CAD-CAM	8
24	Prof. Sagar Khade	M. E.	Asstt. Prof.	Thermal Engg.	2

11.   **List of senior visiting faculty: NIL**

12.   **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: N I L**

13.   **Student –Teacher Ratio (program wise):**

Degree	Ratio
BE	15:1
ME	12:1

14.   **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

	Sanctioned	Filled
Technical Staff	08	08
Administrative Staff	01	01

15.   **Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil/ PG.**

Degree	No. of Faculty
Ph. D.	02
Ph D (Pursuing)	03
PG	23

16.   **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 02**

17.   **Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received:**

   1) **Projects funded by DST:- 4**
   2) **Grant received :- Rs. 4.00 Lakh**

18.   **Research Centre/ facility recognized by the University: NIL**

19.   **Publications:**

• **Publication per faculty**

Sr. No.	Name	Publication		
		National (A)	International (B)	Total (A + B)
1	Dr. S.G. Fale	--	07	07
2	Prof.V.B. Gawande	-	07	07
3	Prof. P.S. Ardak	--	02	02
4	Prof. S. G. Dalu	--	02	02
5	Prof. K. N. Kariya	--	02	02
6	Prof. R. S. Pokale	01	--	01
7	Prof. G. S. Mahalle	--	02	02
8	Prof. S. P. Yeole	--	02	02
9	Prof. S. S. Dhoke	01	--	01
10	Prof. V. G. Gore	01	04	05
11	Prof. M.G. Walecha	01	01	02
12	Prof. A.S. Shaikh	--	04	04
13	Prof. S.J. Deshmukh	01	--	01
14	Prof. P.V. Jane	-	01	01
15	Prof. S.M. Arbat	-	02	02
16	Prof.P.R.Chinchkhede	01	-	01
17	Prof. R. D. Khadse	01	-	01
	TOTAL	**07**	**36**	**42**

• **Number of papers published in peer reviewed journals (national/ international) by faculty and students: 14**

• **Number of publications listed in International Database (For Eg: Web of Science, Scopus, And Humanities International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc.):   14**

• **Monographs   :NIL**

• **Chapter in Books   :NIL**

• **Books Edited   :NIL**

• **Books with ISBN/ ISSN numbers with details of publishers   :NIL**

• **Citation Index   :56**

   SNIP SJR

• **Impact factor: 0.1to 4.7*   : 14**

• **h-index.   : 07**

• **National conference   : 09**

• **International journals   :33**

• **National Journals   : 03**

• **International conference   :07**

Sr. No.	Name	National Conference	International Conference	National Journal	International Journal
1	Prof. S. G. Fale	04	05	--	07
2	Prof.V.B.Gawande	01	02	-	07
2	Prof. P. S. Ardak	-	-	-	02
3	Prof. V. G. Gore	01	-	01	02
4	Prof. A. W. Mahore	-	-	-	01
5	Prof. M. G. Walecha	01	-	01	02
6	Prof. S. P. Yeole	-	-	-	02
7	Prof. G. S. Mahalle	-	-	-	02
8	Prof. A. S. Shaikh	-	-	-	04
9	Prof. S. S. Dhoke	-	-	01	-
10	Prof. S. G. Dalu	-	-	-	02
11	Prof. K. N. Kariya	-	-	-	02
12	Prof. P. K. Shivankar	01	-	-	-
13	Prof. S. J. Deshmukh	01	-	-	-

20.   Areas of consultancy and income generated: NIL

21.   Faculty as members in
**   a)National committees b) International Committees c) Editorial Boards**

Sr. No.	Professional Body/ Society	Name of Faculty members	Registration No.
1		Prof. P. S. Ardak	**LM103697**
2		Prof. V. G. Gore	**LM103701**
3		Prof. R. S. Pokale	**LM77010**
4		Prof. M. G. Walecha	**LM103691**
5		Prof. A. S. Shaikh	**LM103689**
6	**ISTE**	Prof. G. S. Mahalle	**LM103695**
7		Prof. S. P. Yeole	**LM103692**
8		Prof. R. K. Kulkarni	**LM103690**
9		Prof. S. G. Dalu	**LM103693**
10		Prof. S. S. Dhoke	**LM103698**
11		Prof. S. J. Deshmukh	**LM103700**
12		Prof. P. K. Shivankar	**LM103696**

22.   **Student projects**

a) **Percentage of students who have done in-house projects including inter departmental/program**

Year	2013-2014	2014-2015	2015-2016
Final	100%	100%	100%

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: NIL**

23.   **Awards / Recognitions received by faculty and students**

Name of Faculty	Event
Dr. S. G. Fale	i) Best presentation in International Symposium for Research Scholars, IIT, Madras. (2010) ii) Best presentation in National Conference on Nanoscience and Nanotechnology, RGCER, Nagpur. (2011) iii) Best presentation in 99th Indian Science Congress, Bhubaneswar (2012).
Prof. P. S. Ardak	Best Teacher in First Year Award in Unmesh 2013
Prof. R.S. Pokale	Best Teacher in Mechanical Department Award in Unmesh 2013.

Name of Student	Event
Ku. Vijayshri Ingale	color coat for Badminton(2013-14)
Dinesh Darpawar	color coat for Cross country(2013-14)
Mr. Anchal Pardeshi	color coat for Table Tennis (2013-14)
Mr. Vaibhav Adlak	color coat for Cricket(2013-14)
Ku. Komal Dhok	color coat in Youth Festival of SGBAU (2014-15)
Mr. Shubham Gupta	Best project Winner in Agriculture sector organized by BHAU Foundation at COE, Pune (2015-16)
Mr. Saurabh Pathak	Best project Winner in Agriculture sector organized by BHAU Foundation at COE, Pune (2015-16)
Mr. Ashutosh Shirkhedkar	Best project Winner in Agriculture sector organized by BHAU Foundation at COE, Pune (2015-16)
Mr. Pawan Chunade	Best project Winner in Agriculture sector organized by BHAU Foundation at COE, Pune (2015-16)
Mr. Utkarsh Rathod	Best Ambassador BHAU Foundation (2015-16)
Mayur Patil	Winner in Yuvanand-2017 at SIPNA COE,Amravati (2016-17)
Kunal Pakale	Winner in Yuvanand-2017 at SIPNA COE,Amravati (2016-17)

24.   List of eminent academicians and scientists / visitors to the department

Eminent Academicians	Scientists/ Visitors
Dr. P. M. Padole	Dr. Madhav Chitlange (Visitor)
Dr. Saroj Asthana	Mr. Sumit Malpani (Visitor)
Dr. A. B. Marathe	Mr. Anil Sable (Visitor)
Prof. S. S Bhoyar	Mr. Nitesh Mule (Visitor)
Dr. Sanjay Harimkar	Mr. Aditya P. Tondre
	Dr. Dhiraj Chitalange (Scientist)
	Mr. Waghmare (Visitor)
	Dr. Mrudulata M. Deshmukh (Researcher)
	Mr. Anil Sabale (Visitor)
	Dr. P.M. Padole (Researcher)
	Dr. Dinesh Pachang (Visitor)
	Mr. Nitesh Mule (Visitor)

25.   Seminars/Conferences/Workshops organized& the source of funding
   a)National

Sr. No.	Particular	Name of Event	Source of Funding	Date	Remark
1	Workshop	Integrated Course in CAE	Self Finance	26/06/15 to 14/08/15	
2	Workshop	Soft skill training by Globarena	Self Finance	29/02/16 to 02/03/16	
3	Workshop	Soft skill training by Globarena	Self Finance	22/06/15 to 01/07/15	
4	Workshop	Vehicle Overhauling Workshop	Self Finance	21/08/2014	Mr.Kiran Padhya

26.   Student profile program/course wise:

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Mechanical Engg (UG)	120	126	113	13
	Mechanical Engg (PG)	24	4	4	00
2015-16	Mechanical Engg (UG)	120	126	115	11
	Mechanical Engg (PG)	24	10	08	02
2014-15	Mechanical Engg (UG)	120	126	106	20
	Mechanical Engg (PG)	24	20	16	04
2013-14	Mechanical Engg (UG)	120	126	107	19
	Mechanical Engg (PG)	24	24	19	05

   *M=Male *F=Female

27. **Diversity of Students**

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
Mechanical Engg.	2016-17	100%	NIL	NIL
	2015-16	100%	NIL	NIL
	2014-15	100%	NIL	NIL
	2013-14	100%	NIL	NIL
	2012-13	100%	NIL	NIL

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

Year	Name of Exam	No. of students
2013-14	GATE-2014	04
	GRE-2014	03
	TOFEL-2014	01
2014-15	GATE-2015	03
2015-16	GATE-2016	06

29. **Student progression**

Student progression	Number			Against %enrolled		
Batch	**2013-14**	**2014-15**	**2015-16**	**2013-14**	**2014-15**	**2015-16**
UG to PG	17	05	----	29.31%	4.03%	----
PG to PhD	NIL	NIL	NIL	0	0	----
Campus Recruitment	17	09	09	29.31%	7.25%	6.33%
Other Campus Recruitment	19	39	----	32.75%	31.45%	----

Campus selection:

Students Placed: 2013-14 batch

Sr. No.	Name	Company
1	Sanket Dixit	Abellon Energy
2	Abhijeet Gangawane	Abellon Energy
3	Sanket Dixit	Triveni Turbines
4	Vikas Shelke	Sunil Hightech
5	Sanket Dixit	Sunil Hightech
6	Shantanu Nandurkar	Sunil Hightech

7	Kirti Vidhate	Unitechnosys
8	Mr. Pradip Kapat	John Energy Ltd.
9	Mr. Sagar Gulhane	John Energy Ltd.
10	Mr. Shantanu Nandurkar	John Energy Ltd.
11	Mr. Nikhil Dhale	John Energy Ltd.
12	Mr. Sameer Khirpurkar	John Energy Ltd.
13	Mr. Abhijeet Gangawane	John Energy Ltd.
14	Shoeb Inamdar	Spire Tanks and Vessels Pvt. Ltd.
15	Ajay Girolkar	Spire Tanks and Vessels Pvt. Ltd.
16	Mohit Ade	Spire Tanks and Vessels Pvt. Ltd.
17	Swapnil Godbole	Tega Industries

Students Placed: 2014-15 batch

Sr. No.	Name	Company
1	Chaitanya Makwana	L & T Infotech
2	Farukh Haider	TCS
3	Sohel Khan	TCS
4	Shubhankar Bind	Wind World
5	Ajinkya Pradhan	Wind World
6	Shubham Datir	Wind World
7	Pritam Gambhir	Shriram Finance
8	Vishal Wankhede	Shriram Finance
9	Dipali Warghe	Dooth Transmission

Students Placed: 2015-16 batch

Sr. No.	Name	Company
1	Ankit.A.Kale	Neelay Ind,Nashik
2	Ashutosh Upadhye	Samlong Pune
3	Hemant D. Raut	Business, Oxygen cylinder supply to Hospitals in Amravati
4	Jivan S. Munde	TCS, Pune
5	Krishan Chavhan	Teleperformance, Indore
6	Ku. Madhuri Kale	Polytechnic, Bhosala, Akola
7	Ku. Mohini U. Nishan	Abhijit Technologies, Amravati
8	Ku. Radhika K. More	Lectureship at Govt Polytechnic
9	Ku. Snehal V. Arbal	Tech Mahindra, Pune
10	Ku. Snehalata Yeole	Verroc Pvt Ltd Pune
11	Lakhan P. Chavhan	TCS, Pune
12	Pravin P. Somkuwar	Grewas Cotton, Auragabad
13	Vaibhav K Bhopale	Bhushan Power and Steel Orrisa
14	Vishal A. Dandale	Sigma Electrical Pune
15	Saad Ahmed Ab Gaffar	Central Railway, Mumbai.
16	Sagar S Raut	TCS, Guwahati

| 17 | Sarang Kulakarni | Apple International, Dadar, Mumbai |
| 18 | Saurabh K Dolas | Tal Manufacturing Solution Ltd.,Nagpur. |

Other-Campus selection:

Students Placed: 2013-14 batch

Sr. No.	Name	Organization Name
1	Ajay Wasudeorao Girolkar	TCS, Nagpur
2	Akshay Dipakrao Chavan	BMC Water Dept. Mumbai
3	Akshay Narayanrao Ghurde	Supra system India Pvt Ltd, Pune
4	Bhumeshwar Narendra Parate	Endurance
5	Dattatray Rustum Akhare	Genral Motors
6	Girish Jagannath Kale	Tata Motors
7	Harshada Pramodrao Janotkar	Canpac, Aurangabad
8	Juilee Dhananjay Hushangabadkar	Jonhson Control Ltd, Pune
9	Kirti Sureshrao Vidhate	Amaravati muncipal Co.
10	Kunal Rajkumar Bhojane	Jadhav Leyland, Amt
11	Madhavi Ravindra Dharmale	Jadhav Leyland, Amt
12	Mohit Vinodrao Adhe	Tayal Tank, Nasik
13	Sagar Gajananrao Tole	Emerson, Pune
14	Shivajee Ramchandra Galphade	Pentagon assembly Pvt Ltd
15	Sushant Subhash Patel	JE at BMC, Mumbai
16	Wasim Barkat Khan	Whirlpool, Pune
17	Nitin Mohandas Gawai	Ordnance Factory
18	Rupali Baliram Sawarkar	Working
19	Kartik Kiran Karanjkar	Metito overseas, Pune

Students Placed: 2014-15 batch

Sr. No.	Name	Organization Name
1	Akshay Dilipsingh Rajput	Brezwell engg., Bhosari
2	Amol Arun Bhatkar	Minda, Pune
3	Dhiraj Devidas Gabhane	Ecco system, Pune
4	Dinesh Ganesh Pachang	Bosch, Nashik
5	Dinesh Narayan Dharpawar	Govt. job
6	Farukh haider M. Sabir Shaikh	TCS

7	Apoorva Rajendraappa Dhake	Appaco, Pune
8	Geeta Prakashrao Dholwade	TCS
9	Kavita Vitthal Umate	Job,Pune
10	Nikita Ramdasrao Kale	Wabag pvt ltd,Pune
11	Poonam Arun Fasale	Indusind Bank, Pune
12	Shivneri Shivaji Deshmukh	TCS
13	Mayur Anandrao Pokale	Bosch, Nashik
14	M. Rizwan M. Rafeeque	Baba engg,Akola
15	Mohmad shoeb Rauf	Baba engg,Akola
16	Pawan Suresh Ahir	Tech teacher,
17	Rajpritu Janardan Khobragade	Gogrej Mumbai
18	Roshan Mahendra Deshmukh	Flextrons Pune
19	Rushikesh Deepak Bhoyar	Tata coms
20	Saksham Babanrao Aware	TCS
21	Shubhankar Kishor Bind	Western refrigaration, Mumbai
22	Sohel Saleem Khan	TCS
23	Radha Prakashrao Khule	Congnizent Pune
24	Prafullata Dilip Mhala	Rutu pvt. Ltd.Pune
25	Madhura Gajanan Sisode	KPIT,Pune
26	Nikhil Gajanan Arole	Varroc engg,Auragabad
27	Kartik Mohpat Chamat	Supra auto,Pune
28	Akshay Dattatray Mali	Mahindra & Mahindra, Mumbai
29	Sarthak Moreshwar Raut	L&T Badodara
30	Ankush Padmakar Junankar	Ecco system, Pune
31	Saurabh Rasendra Mishra	Vibrant corporation,
32	Vishal Ashokrao Sawant	Amber enterprises, Pune
33	Ritesh Kolhe	Indian navy
34	Prakash Ashokrao Kothalkar	Western refrigeration, Mumbai
35	Anmol Sureshrao Wanjari	Pee Vee textile ltd
36	Amol Gajanan Bhawsar	Western refrigeration, Mumbai
37	Dipali Purushettam Warge	Dhoot transmission
38	Vrushikesh Shamoundar Bhadange	Bajaj, Aurangabad

30.   Details of Infrastructural facilities

a)Library

UG Book:

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International journals
3068	20276	56	26

PG Book:

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
110	986	6	14

b) Internet facilities for Staff& Students

Sr. No.	Name of Lab	No. of Terminals
1.	Computer Lab.	10 (LAN CARD)
2.	Departmental Computer	01 (LAN CARD)
3.	H.O.D. Computer	01 (LAN CARD)

c) i) Class Rooms

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with
II Year	UG	Exclusive	80	
III Year	UG	Exclusive	80	LCD Projector
IV Year	UG	Exclusive	80	
PG	PG	Exclusive	24	

ii) Laboratories: Department has total 8 Labs

For UG and PG:

Sr. No.	Lab Name	Total Cost Rs.
1	Theory of Machine I	1,33,087/-
2	Theory of Machine II	3,12,469/-
3	Production Technology	1,35,551/-
4	Automation	8,56,750/-
5	Engineering Metallurgy	1,10,788/-
6	Measurement System	2,08,065/-
7	Heat Transfer	2,94,750/-
8	Internal Combustion engine	20,55,750/-
9	Mechanics of Material	10,33,862/-
10	Mechatronics	2,55,709/-
11	Computer System Application I & II	10,64,780/-
12	Fluid Power I	2,59,728/-
13	Fluid Power II	8,90,920/-

14	Refrigeration and Air Conditioning	2,77,952/-
15	Energy conversion I	75,399/-
16	Energy conversion II	2,82,880/-

For PG:

Sr. No.	Lab Name	Total Cost Rs.
1	Fluid Power	2,59,728/-
2	Refrigeration and Air Conditioning	2,77,952/-
3	Heat Transfer	2,62,000/-
4	Internal Combustion engine	22,26,378/-

Note: All the Laboratories are well equipped with internet facility.

Sr. No.	Curriculum Laboratories Description	Shared / Exclusive	Space/ Number of	Course/ Number of experiments	No. of Major instruments/ Important software
01.	F P Lab	Shared	25	FP-I, FP-II,	Pelton Turbine, Francis Turbine, Kaplan Turbine, Hydraulic RAM
02.	E M Lab	Shared	25	Automation, EM	Binocular & Trinocular microscope with Digital camera attached to PC
03	H T Lab	Shared	25	HT, EC-I	Thermal conductivity of metal Rod, Stefan-Boltzmann App., Natural Convection, Insulating powder
04	M S Lab	Shared	25	MS, RAC	LVDT, Flow, Pressure, Vibration, Speed, Strain measurement,
05	I C Engine Lab	Shared	25	IC Engine, EC-II	4stroke Single Cylinder, 4 cylinder Diesel Engine, 4stroke 4 cylinder Petrol Engine, 2 stage compressor
06	Mechatronics	Separate	25	Mechatronics	Hydraulic Trainer, Pneumatic Trainer
07	TOM Lab	Shared	25	TOM-I, TOM-II	Gyroscope, Simple pendulum, Tri-filler Suspension.
08	Computer Lab	Shared	25	CSA-I, CSA-II	DBMS, DDL, SQL, Modulation & Simulation

31. Number of students receiving financial assistance from college, university, government or other agencies.

No. of Students	Category						Year
	SC	OBC	VJNT	SBC	ST	TFWS	
261	59	151	35	10	00	06	2016-17
376	84	219	45	13	09	06	2015-16
382	81	229	47	10	09	06	2014-15

32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts

Guest Lectures:

Sr. No.	Name	Subject/ Topic	Date
1	Mr. Nitesh Mule	IES Preparation	08/08/15
2	Dr. P. M. Padole	KVIC Projects	10/10/15
3	Mr. Anil M. Sable	Thermal Power Plant	20/10/15&21/10/15
4	Mr. Vaibhav Gulhakhe	CFD	13/03/14
5	Dr. Saroj Asthana	Career opportunity after graduation	05/04/2015
6	Dr. Dhiraj Chitlange	Entrepreneurship Awareness	03/08/2016
7	Mr. Waghmare	Application of CAD/CAM Software in Engineering.	06/08/2016
8	Dr. Mrudulata M. Deshmukh	Scope for a Mechanical Engineers in Agricultural Advancements	15/10/2016
9	Mr. Nitesh Mule	Challenges in competitive Examinations	
10	Mr. Aditya Tondre	Importance of GATE Examination	
11	Prof. S. S. Bhoyar	Role of Youth in Entrepreneurship	30/01/2017

33.   **Teaching methods adopted to improve student learning**

➢ Effective black board teaching

➢ Tutorial session on subject

➢ Use of power point presentation if necessary

➢ Conduction of class test after every unit

➢ Assignments on the topic taught

➢ Providing question bank with model answer.

➢ Providing study material on demand

34.   **Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL**

35.   **SWOC analysis of the department and Future plans**
Strength:

➢ Well educated and competent staff

➢ Strong coordination among faculties.

➢ Good faculty student relationship

➢ Regular contact of faculties with parents of students.

Weakness:

➢ Research laboratories

➢ Inadequate infrastructure.

Opportunity

➢ To improve technical soft skills

➢ To develop students for different competitive exams.

Challenges:

➢ Inadequate communication skills of rural students.

➢ Unavailability of local industry to participate in industry-academia relationship.

Evaluative Report of Electrical Engineering

1. **Name of the Department:** Electrical Engineering

2. **Year of Establishment:** 2009

3. **Names of Programmes/ Courses offered (UG, PG):** UG and PG

Name of the Program	Year of establishment
Electrical Engineering (UG)	2009
Electrical power System (PG)	2012

4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Name of Interdisciplinary Course	Departm
1.	Production Management	Mechanical
2.	Non conventional Energy Resources	Mechanical
3.	Electronics devices & circuits	Electronics
4.	Analog & digital circuits	Electronics
5.	Microprocessor & Microcontroller	Electronics

5. **Annual/semester/choice based credit system (programmewise):**

    -U. G. Semester based Credit Grade system (CGS).

    -P. G. Semester based Credit Grade system (CGS).

6. **Participation of the department in the courses offered by other departments**

Sr. No.	Name of Interdisciplinary course	Departm
1	Electrical Drives & Measurement	Electronics & Telecom. Engg.
2	Basic Electrical Drives & Control	Mechanical Engg.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Sr. No.	Name of the Course	Collaborating agency other than University/Industries
1	Soft Skill Training	Globarena, C, C++
2	Embedded system	Prolific Systems Pvt Ltd., Nagpur

3	Industrial Automation (PLC /SCADA/ HMI/Drives	Autosys, Indore
4	Microcontroller 8051 and Embedded applications	MDB ElectroSoft, Amravati
5	Matlab Programming	GCOE, Amravati

8. Details of courses/ programmes discontinued (if any) with reasons: NIL

9. Number of Teaching Post:

Post (UG+PG)	Sanctioned	Filled
Professor	02	01 (Adjunct Faculty)
Associate Professor	04	01
Assistant Professor	22	26

10. Faculty profile (UG) with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)

Shift – I:

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. D.A. Shahakar	M. Tech (EPS)	Asst. Prof	Power system	13
2	Prof. P. R. Rane	Ph. D (Pursuing)	Asst. Prof	Power system	8
3	Prof. P.S. Verma	M.E. (EPS)	Asst.Prof	Renewable energy & control system	7
4	Prof. P. M. Mankar	M.E. (EPS)	Asst. Prof	Non Renewable Sources & Machine	5
5	Prof. S. R. Shahu	M.E. (EPS)	Asst.Prof	Power system	4
6	Prof. A. H. Hade	M.E. (EEE)	Asst.Prof	Electrical & Electronics	4
7	Prof. A. A. Malik	M. Tech (EPS)	Asst.Prof	Power system	2
8	Prof. R. V. Ambadkar	M.E. (EPS)	Asst.Prof	Power system	3
9	Prof. R. R. Ulhe	M.Tech (EPS)	Asst.Prof	Power system	3
10	Prof. A. N. Kakde	M.Tech (EPS)	Asst.Prof	Power system	2

| 11 | Prof. Pratiksha Junghare | M.E. (App.) | Lecturer | Power system | 3 |
| 12 | Prof. Nikita Sawade | M.E. | Asst. Prof. | Power system | 2 |

Shift – II:

Sr No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. H.S. Kulat	PhD (Pursuing)	Asst. Prof	Control System	17
2	Prof.A. S. Telang	PhD (Pursuing)	Asst. Prof	Power system	15
3	Prof. A. D. Tekade	M.E. (EPS)	Asst. Prof	Power System	7
4	Prof. S. A. Jalit	ME (EPS)	Asst.Prof	Power system	6
5	Prof. M. A. Salodkar	M.E. (EPS)	Asst.Prof	Power system	4
6	Prof. T. A. Mohammad	M.E. (EPS)	Asst.Prof	Power system	4
7	Prof. J. B. Mokalkar	M.E. (App.)	Asst.Prof	Power system	6
8	Prof S.V. Pande	M.E. (EPS)	Asst.Prof	Power system	2
9	Prof. M. R. Natkut	M.E. (EPS)	Asst.Prof	Power system	2
10	Prof. M. S. Thakare	M.Tech (EPS)	Asst.Prof	Power system	1
11	Prof. R. D. Sonone	M.E. (App.)	Lecturer	Power system	5
12	Prof. P. A. Kale	M.E. (EEE)	Asst.Prof	Digital electronics Comm Engg	2

Faculty Profile (PG) with name, qualification, designation, specialization

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr. S. B. Warkad	Ph.D	Professor	Power System	20
2	Prof. A. A.Ghute	M. Tech(EPS)	Asst.Prof	Power electronics application	6
3	Prof. Yogita Khair	M. Tech(EPS)	Asst.Prof.	Power System Optimization	9
4	Dr. Vishram Bapat	M. Tech. Ph. D	Adjunct Faculty	Power System	35

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13. Student –Teacher Ratio (programme-wise):

Degree	Ratio
UG	15:1
PG	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical staff	0	0
Administrative Staff	0	0

15. Qualifications of teaching faculty with D. Sc / D. Litt/ Ph. D/ M. Phil./ PG.

Degree	No. of Faculty
Ph.D	2
M. E./ M. Tech.	24

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Proposal Category	Title	Name of Faculty	Grant Received
1	IEDC	Maximum Utilization of Solar Energy Using Inc Conductance MPPT with DCM.	Atul A Ghute	1 Lakh
2	IEDC	House utility Land Limiting & Control Mechanism	Yogita Khair	1 Lakh
3	IEDC	Hybrid Pesticide Pump	Yogita Khair	1 Lakh
4	IEDC	Seed Sowing Robot	Yogita Khair	1 Lakh
5	IEDC	Roof Top Wind Generator	Yogita Khair	1 Lakh
6	IEDC	Gravity light	Atul A Ghute	1 Lakh
7	IEDC	Spring Operated LED Light System	Atul A Ghute	1 Lakh

| 8 | IEDC | Motorized Personal Transportation Device | Yogita Khair | 1 Lakh |
| 9 | IEDC | Smart Irrigation System | Dr. S. B. Warkad | 1 Lakh |

18. Research Centre/ facility recognized by the University: Nil

19. Publications:

- **Publication per faculty**
- **Number of papers published in peer reviewed journals (national/ international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities, International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc.):**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ ISSN numbers with details of publishers**
   Citation Index SNIP
- **SJR**
- **Impact factor: 0.1to 4.7***
- **h-index.**
- **National conference   : 41**
- **International journals   : 52**
- **National Journals: 10**
- **International conference   : 27**

Sr. No.	Name	National Conference	International Conference	National Journal	International Journal
1	Dr. S.B. Warkad	18	13	3	22
2	Prof. H. S. Kulat	7	1	5	1
3	Prof. D. A. Shahakar	8	4	-	2
4	Prof. P. R.Rane	-	-	-	1
5	Prof. A. S.Telang	1	1	-	-

6	Prof. A. A. Ghute	1	-	-	2
7	Prof. Yogita Khair	3	2	-	2
8	Prof. P.M. Mankar	-	-	2	2
9	Prof. P. S. Varma	-	1	-	2
10	Prof. A. D. Tekade	1	-	-	2
11	Prof. A. N. Belonkar	-	1	-	1
12	Prof. M. A. Salodkar	-	-	-	2
13	Prof. T. A. Mohammad	-	-	-	2
14	Prof. A. H. Hade	-	-	-	2
15	Prof. V. R. Ambadkar	-	-	-	2
16	Prof. A. A. Malik	-	-	-	1
17	Prof. S. V. Pande	-	1	-	2
18	Prof. M. R. Natkut	-	1	-	
19	Prof. R. R. Ulhe	-	-	-	2
20	Prof .A. N. Kakde	-	1	-	2
21	Prof. M. S. Thakare	-	-	-	1
22	Prof. P. A. Kale	-	1	-	2

Books/Monograph Published:

Sr. No.	Title of the Book/ Monograph	Publisher	Author (s)
1	"Electricity Sector Reforms and Electricity Pricing in Developing Countries: A Study in India"	LAP LAMBERT Academic Publishing GmbH & Co., Saarbrucken, Germany.	Dr. S. B. Warkad
2	Electrical Engineering	Excel publications	Prof.Yogita Khair

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees, b) International Committees, c) Editorial Boards

Sr. No.	Professional Body/ Society	Name of Faculty Members	Registration No.
1	IEEE	Dr. S.B.Warkad	90645825
2	ISTE	Dr. S.B.Warkad	LM-22510

3	IE	Dr. S. B. Warkad	M-137700-5
4	IET	Dr. S. B. Warkad	PIEI00002
5	IACSIT	Dr. S. B. Warkad	80344630
6	IAENG	Dr. S. B. Warkad	13869
7	IAES	Dr. S. B. Warkad	92000002
8	ESR	Dr. S. B. Warkad	4572390
9	IRED	Dr. S. B. Warkad	AM10100052390
10	Member of Advisor/ Editorial Board	Dr. S. B. Warkad	IJAIEM (ISSN 2319 – 4847)
11	Member of Editorial Board	Dr. S. B. Warkad	IJEMR (ISSN 2250 – 0758)
12	Technical Program Committee	Dr. S. B. Warkad	ICACCA 2016
13	Member, National Advisory Board	Dr. S. B. Warkad	ICARET 2012
14	Associate Editor	Dr. S. B. Warkad	IJEEE (ISSN: 2231–5284), (ISSN: 0976–8106)
15	Executive Editor	Dr. S. B. Warkad	IJNN (ISSN: 2249–2763)
16	Member–Editorial Board	Dr. S. B. Warkad	IJAET (ISSN: 2231-1963)
17	Member–Editorial Board and	Dr. S. B. Warkad	IACSIT, Singapore (ISSN: 1793-8198)
18	Member–Editorial Board and	Dr. S. B. Warkad	IJETT (ISSN: 2231-5381)
19	Member–Editorial Board and	Dr. S. B. Warkad	IJSCE), India (ISSN: 2231-2307)
20	Member–Editorial Board	Dr. S. B. Warkad	IJISME (ISSN: 2319-6386)
21	Member–Editorial Board	Dr. S. B. Warkad	IJRDET (ISSN: 2347-6435)
22	Member–Editorial Board	Dr. S. B. Warkad	URJA
23	Member Advisory Board	Dr. S. B. Warkad	IJEIT, UK (ISSN: 2277-3754)
24	Advisory Board member	Dr. S. B. Warkad	IJIRMPS
25	Advisory/Editorial Board member	Dr. S. B. Warkad	IJETAE (ISSN 2250–2459)
26	LM-ISTE	Prof. H.S. Kulat	LM-2177

27	ISTE	Prof. A.A. Ghute	LM 103681
28	ISTE	Prof. Yogita Khair	LM 77012
29	ISTE	Prof. P.S. Verma	LM103683
30	ISTE	Prof. A. D. Tekade	LM103681
31	Member–Editorial	Prof. D. A. Shahakar	IJET (ISSN: 0974-3588)
32	Member–Editorial	Prof. D. A. Shahakar	AESJ (ISSN: 0975-6736)

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programmed

Year	2013-2014	2014-2015	2015-16
Electrical Engg.	100%	100%	100%

c) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty

Sr. No.	Name of Faculty	National/ International
1	Dr. S.B.Warkad	Best Paper Award (Gold Medal) in The Institution of Engineers (India) in 26th Indian Engineering Congress at Bangalore on December 16, 2011
2	Prof. Yogita Khair	Best Paper Award in International Conference at Nagpur 2011
3	Prof. A. A. Ghute	Best Faculty Award in Techelons 2012-13 in PRPCE Amravati
4	Prof. Yogita Khair	Best Faculty Award in Techelons 2012-13 in PRPCE Amravati

Awards / Recognitions received by students

Sr. No.	Session	Year	Name of Student	Event/ Institute
1	2012-13	2013	Daya Mohan Joshi	Junk Art (P.R.P.C.E.M.Amt)
2	2012-13	2013	Daya Mohan Joshi	"HIRAKANI" (P.R.P.C.E.M.Amt)
3	2012-13	2013	Daya Mohan Joshi	Top coder
4	2013-14	2014	Daya Mohan Joshi	Anveshan
5	2014-15	2015	Nikhil N. Pande	UNMESH-2015(GS)
6	2012-13	2013	Nikhil N. Pande	Circuit mania
7	2012-13	2013	Nandkishor Adhao	Circuit mania
8	2013-14	2014	Nandkishor Adhao	Robogenous
8	2014-15	2015	Nandkishor Adhao	Robotics
10	2013-14	2014	Nandkishor Adhao	Roborace
11	2013-14	2014	Daya mohan joshi	committee of accommodation
12	2014-15	2015	Daya mohan joshi	Housie Game Anchoring
13	2013-14	2014	Daya mohan joshi	Followup-zonal level youth convention
14	2013-14	2014	Nikhil N. Pande	PRAJWALAN 2014 (ROBORACE)
15	2012-13	2013	Nikhil N. Pande	Town planning
16	2012-13	2013	Nikhil N. Pande	Junk art (P.R.P.C.E.M.Amt)
17	2013-14	2014	Nikhil N. Pande	Top coder
18	2014-15	2015	Nandkishor Adhao	ROBOTICS
19	2013-14	2014	Nandkishor Adhao	Follow up-zonal level youth convention
20	2012-13	2013	Nandkishor Adhao	Junk art (P.R.P.C.E.M.Amt)
21	2014-15	2015	Nandkishor Adhao	(matlab) PRAJWALAN 15
22	2013-14	2014	Nandkishor Adhao	Paper presentation
23	2013-14	2014	Nandkishor Adhao	IBSS E-DAZZIED2014 (Roborace)
24	2013-14	2014	Nandkishor Adhao	VIDYOTAN2014(Roborace)

24. List of eminent academicians and scientists / visitors to the department

Sr. No.	Name of eminent Academicians/ Scientists/ Visitors/ Industry Experts	Subject/Topic	Date
1	Mr. Sudhir Morey	Personality Development	26-07-2016
2	Mr. Sudhir Morey	Personality Development	20-07-2015
3	Dr. S. A. Baig	Opportunities in Electrical Engg. In India & Foreign Countries	20-07-2015
4	Dr. M. V. Aware	Applications of Power System in Electrical Engg	23-07-2015
5	Prof. M. M. Ansari	Electrical Machines	22-08-2015
6	Mr. Swapnil Wankhade	Opportunities in Administrative Services	31-08-2015
7	Mr. Shripad Pathak	Motivation Towards Professional Engineers & opportunities in power sector	30-09-2015
8	Mr. Milind Patre	Motivational Speech	26/07/2014
9	Mr. Shankarbaba Papalkar	Social Responsibilities	13/09/2013
10	Prof. G. R. Shekapure	Career Guidance	05/10/2013
11	Mr. Pradeep Chawre	Project Evaluation	08/08/2012
12	Mr. Sumant Tekade	Time Management in Shivajian Way	25/08/2012
13	Prof. P. P. Bedekar	Load Flow Studies	27/03/2013
14	Dr. Milind Pande	Effective Training & Placement	06/04/2013
15	Dr. Preeti Bajaj	Effective communication & future trends in corporate world	03/03/2013
16	Mr. P. P. Malwe	Hot line Maintainance	31/12/2012
17	Mr. A. G. Patil	Understanding Power Quality	06/02/2013

25. Seminars/ Conferences/ Workshops organized & the source of funding

a) National

Sr. No.	Particular	Name of Event	Source of Funding	Date	Remark
1	Workshop	Workshop on PCB & Circuit Design using Proteous Simulator	Self Finance	19/08/2016 to 20/08/2016	For Second Year student
2	Workshop	Workshop on MatLAB/ Simulink Basics	Self Finance	25/08/2016 to 27/08/2016	For Second Year student
3	Workshop	Workshop on PLC & SCADA (Shift-1)	Self Finance	29/08/2016 to 06/09/2016	For Final Year student
4	Workshop	Workshop on PLC & SCADA (Shift-2)	Self Finance	07/09/2016 to 15/09/2016	For Final Year student
5	Workshop	Soft skill training by CNC++	Self Finance	18/07/2016 to 26/07/2016	For Final Year student
6	Workshop	Soft skill training by Globarena	Self Finance	3/3/2016 to 5/3/2016	For Final Year student
7	Workshop	Workshop on microcontroller by MDB Softtech Pvt. Ltd.	Self Finance	18/1/2016 to 23/01/2016	For Final Year student
8	Workshop	Workshop on microcontroller by MDB Softtech Pvt. Ltd	Self Finance	11/01/2016 to 16/01/2016	For Final Year student
9	Workshop	Workshop on microcontroller by MDB Softtech Pvt. Ltd	Self Finance	4/01/2016 to 9/01/2016	For Final Year student
10	Workshop	Matlab Interfacing With Hardware Device	Self Finance	26/06/2015	For Final Year student
11	Workshop	Workshop on Solar Lamp	Self Finance	8/2/2015	For Third Year student
12	Seminar	Workshop on PLC & SCADA	Self Finance	12/2/2015	For Final Year student
13	Workshop	Soft skill training by Globarena	Self Finance	26/12/2014 to 31/12/2014	For Final Year student
14	Workshop	Proteus Software	Self Finance	27-09-2014 to 28-09-2014	For Final Year student
15	Workshop	Soft skill training by Globarena	Self Finance	09/07/2014 to 18/07/2014	For Final Year student
16	Workshop	Workshop on Embedded System by Prolific System Pvt. Lt.	Self Finance	22/08/2013 to 27/08/2013	For Final Year student

26. Student profile programme/course wise:

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Electrical Engg(UG)(First Shift)	60	60	36	24
	Electrical Engg(UG)(Second Shift)	60	54	38	16
	Electrical Power System(PG)	24	06	02	04
2015-16	Electrical Engg(UG)(First Shift)	60	63	44	19
	Electrical Engg(UG)(Second Shift)	60	60	49	11
	Electrical Power System(PG)	24	15	06	09
2014-15	Electrical Engg(UG)(First Shift)	60	61	34	27
	Electrical Engg(UG)(Second Shift)	60	35	28	07
	Electrical Power System(PG)	24	24	10	14
2013-14	Electrical Engg(UG)(First Shift)	60	61	45	16
	Electrical Engg(UG)(Second Shift)	60	40	32	08
	Electrical Power System(PG)	24	24	9	15
2012-13	Electrical Engg(UG)	60	63	48	15
	Electrical Power System(PG)	24	24	13	11
2011-12	Electrical Engg(UG)	60	62	41	21
2010-11	Electrical Engg(UG)	60	60	45	15

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
Electrical Engg.	2016-17	100%	Nil	Nil
	2015-16	100%	Nil	Nil
	2014-15	100%	Nil	Nil
	2013-14	100%	Nil	Nil
	2012-13	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	Number of students cleared GATE exam
2015-16	NIL
2014-15	1
2013-14	2
2012-13	1

29. Student progression

Student progression	Number			Against %enrolled		
Batch	2013	2014	2015	2013	2014	2015
UG to PG	11	3	1	18.96	4.61	1.14
PG to PhD	NIL	NIL	NIL	NIL	NIL	NIL
Campus Recruitment	5	5	16	8.62	7.69	26.47
Other Campus Recruitment	4	NIL	NIL	6.89	NIL	NIL

Campus selection:

Students Placed: 2013-14 batch

Sr. No.	Name of Students	Company Name
1	Aashish Telharkar	Abellon Energy Pvt . Ltd
2	Kunal Narse	Bharati airtel pvt. Ltd
3	Nikhil Prakashrao Umale	John Energy Ltd.
4	Chaitanya Mankar	Abelon Pvt . Ltd
5	Aparna Ghodaki	Bharati airtel pvt. Ltd

Students Placed: 2014-15 batch

Sr. No.	Name of Students	Company Name
1	Akshay M. Nandane	TCS Pvt. Ltd
2	Ajinkyaa Dilip Parate	Wind world Pvt. Ltd
3	Kimaya V. Samarth	ASTRAL Pvt. Ltd
4	Kapil Kotiwar	Shriram Transport finance Pvt. Ltd
5	Harshal Guhe	Shriram Transport finance Pvt. Ltd

Students Placed: 2015-16 batch

Sr. No.	Name of Students	Company Name
1	Nikhil Pande	TCS Pvt. Ltd, Epic Research Pvt.Ltd
2	Mangesh Band	IWS Pvt. Ltd, Triangle Tele Inc.Pvt.Ltd
3	Sandeep Umale	IWS Pvt. Ltd
4	Akshay Kathole	IWS Pvt. Ltd
5	Ashwini Jaysingpure	RDP Telecom
6	Pavan Virulkar	RDP Telecom
7	Nandkishore Adhao	RDP Telecom, Triangle Tele Inc.Pvt.Ltd
8	Janhvi Navgrah	POMPIEE TECH, CMS IT SOL
9	Saurabh Jaysingkar	POMPIEE TECH
10	Ashwini Pahurkar	POMPIEE TECH
11	Pooja Wankhade	CMS IT SOL
12	Nitesh Ambidukhe	CMS IT SOL
13	Kanchan Barbudhe	Epic Research Pvt.Ltd, RDP Telecom
14	Shradha Girnale	Epic Research Pvt.Ltd
15	Sagar Anasane	Triangle Tele Inc.Pvt.Ltd
16	Shivnath Waghmare	Triangle Tele Inc.Pvt.Ltd
17	Ashwini Jaisingpure	Autosys Indore
18	Suchita Damani	Autosys Indore

Students Placed: 2016-17 batch

Sr. No.	Name of Students	Company Name
1	Ankit Patmase	Asahi India Glass Ltd
2	Prajakta Dhole	POMPIEE TECH.
3	Aieshwariya Mehta	POMPIEE TECH.
4	Suraj Sakhre	POMPIEE TECH.
5	Kalyani Borkar	POMPIEE TECH.
6	Nikita Kute	POMPIEE TECH.
7	Aishwarya Mehta	EPIC Research
8	Gayatri Ubhade	EPIC Research
9	Saket Mishra	EPIC Research
10	Vaishnavi Nagaria	EPIC Research

30.Details of Infrastructural facilities

   a) Library

   UG Book:

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International journals
449	2414	09	4

   b)Internet facilities for Staff & Students

Sr. No.	Name of Laboratory	No. of Terminals
1	Computer Lab	24
2	Staff room	04

   c) **Classrooms with ICT facility: 06**

   d) Laboratories

   For UG:

Sr. No.	Name of Laboratory	Total Cost Rs.
1	Control System Lab	158486
2	Switchgear & Protection Lab	322550
3	Network Analysis Lab	51822
4	Measurement Lab	217849
5	Machine Lab	86668
6	Electrical Computer lab	418300
7	Power System & Automation Lab	50000
8	Power Electronics Lab	24000

   For PG:

Sr. No.	Name of Laboratory	Total Cost Rs.
1	Power System Research Lab	50000

Note: All the Laboratories are well equipped with internet facility.

31. Number of students receiving   financial assistance from college, university, government or other agencies

No. of Students	Category						Year
	SC	**OBC**	**VJNT**	**SBC**	**ST**	**TFWS**	
274	57	168	34	09	00	06	2016-17
360	71	220	44	11	08	06	2015-16
278	52	175	32	07	06	06	2014-15

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Guest Lectures for U. G. Program: BE

Sr. No.	Guest Faculty	Subject/ Topic	Date
1	Mr. Sudhir Morey	Personality Development	26-07-2016
2	Mr. Sudhir Morey	Personality Development	20-07-2015
3	Dr. S. A. Baig	Opportunities in Electrical Engg. In India & Foreign Countries	20-07-2015
4	Dr. M. V. Aware	Applications of Power System in Electrical Engg	23-07-2015
5	Prof. M. M. Ansari	Electrical Machines	22-08-2015
6	Mr. Swapnil Wankhade	Opportunities in Administrative	31-08-2015
7	Mr. Shripad Pathak	Motivation Towards Professional	30-09-2015
8	Mr. Milind Patre	Motivational Speech	26/07/2014
9	Mr. Shankarbaba Papalkar	Social Responsibilities	05/10/2013
10	Prof. G. R. Shekapure	Career Guidance	13/09/2013
11	Mr. Pradeep Chawre	Project Evaluation	06/04/2013
12	Mr. Sumant Tekade	Time Management in Shivajian	27/03/2013
13	Prof. P. P.Bedekar	Load Flow Studies	03/03/2013
14	Dr. Milind Pande	Effective Training & Placement	06/02/2013
15	Dr. Preeti Bajaj	Effective communication & future trends in corporate world	31/12/2012
16	Mr. P. P.Malwe	Hot line Maintainance	25/08/2012
17	Mr. A. G. Patil	Understanding Power Quality	08/08/2012

33. Teaching methods adopted to improve student learning

- Effective black board teaching
- Tutorial session on subject
- Use of power point presentation if necessary
- Conduction of class test after every unit
- Assignments on the topic taught
- Providing question bank.
- Providing study material on demand

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Tree Plantation Program.
- Blood Donation Camp.
- Swachhata Abhiyan.
- General Awareness program in Rural Area.
- NSS Camp

35. SWOC analysis of the department and Future plans

Strengths:

- Good Infrastructure
- Presence of Ph.D. holder

Weaknesses:

- Scope for improvement in intake quality of students
- Scope for improvement in campus placement
- Scope for improvement in consultancy work

Opportunities:

- Tremendous scope for research
- Job opportunities in power sector

Challenges:

- To maintain quality of students
- To increase employability

Evaluative Report of Computer Science & Engineering

1. Name of department **:** Computer Science & Engineering

2. Year of Establishment **:** 2009

3. Names of Programmes/ Courses offered (UG, PG): UG and PG

Name of the Program	Year of Establishment
UG: B. E. (Computer Science & Engineering)	2009-2010
PG: M.E. (Computer Science & Engineering)	2013-2014

4. Names of Interdisciplinary courses and the departments/units involved

Sr. No.	Name of Interdisciplinary Course	Department
1	Mathematics	Applied Science
2	Electronics Devices and Circuits	Electronics & Telecommunication
3	Environmental Science	Civil
4	Analog and Digital ICs	Electronics & Telecommunication
5	Switching Theory and Logic Design	Electronics & Telecommunication
6	Digital Signal Processing	Electronics & Telecommunication
7	Embedded System	Electronics & Telecommunication

5. Annual/semester/choice based credit system (programmewise):

 -U. G. Semester based Credit Grade system (CGS).

 -P. G. Semester based Credit Grade system (CGS).

6. Participation of the department in the courses offered by other departments

Sr. No.	Name of Interdisciplinary course	Department
1	Computer Programming Application	Electronics & Telecommunication
2	Introduction to Computer Network	Electronics & Telecommunication
3	Data communication and Networking	Electronics & Telecommunication
4	E-Commerce	Electronics & Telecommunication
5	Numerical methods and computer programming	Electrical Engineering
6	Computer software Application 2	Mechanical Engineering

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Sr. No.	Name of the Course	Collaborating agency other than University/Industries
1	Soft Skill Training	Globerena
2.	Technical Skills	Web Akruti
3.	Industrial training	Axiom Softech Pvt. Ltd.

8. **Details of courses/ programmes discontinued (if any) with reasons: Nil**

9. **Number of Teaching Post:**

Post(UG+PG)	Sanctioned	Filled
Professor	02	00
Associate Professor	04	00
Assistant Professor	23	29

10. **Faculty profile (UG) with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)**

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. V. B. Gadicha	Ph.D (P)	Asst. Prof.	Information Security	12
2	Prof. C. J. Shelke	M.E.(IT)	Asst. Prof.	Networking	10
3	Prof. P. D. Soni	M.E.(CSE)	Asst. Prof.	Algorithm, Network Security	6
4	Prof. V. B. Bhagat	M.E.(CSE)	Asst. Prof.	Networking, Cloud Computing	4
5	Prof. A. B. Gadicha	M.E.(IT)	Asst. Prof.	Network Security	7
6	Prof. P. P. Pawade	M.E.(IT)	Asst. Prof.	Networking	6
7	Prof. A. S. Kapse	M.E.(CSE)	Asst. Prof.	Database, Network Security	10
8	Prof. Anup Date	M.E.(CSE)	Asst. Prof.	Networking, Cloud Computing	5
9	Prof.D.C.Dhanwani	M.E.(CSE)	Asst. Prof.	Image Processing, Data Mining,NN	4
10	Prof.A.R. Ladole	M.E.(CSE)	Asst. Prof.	Cloud computing, Android OS	2
11	Prof.A.D.Lonare	M.Tech.(CSE)	Asst. Prof.	Database, Data mining,IP	5

12	Prof.S.S.Sagane	M.E.(CSE)	Asst. Prof.	Networking,Cloud Computing	5
13	Prof.S. S. Deshmukh	M.E.(CSE)	Asst. Prof.	Data structures and algorithms	3
14	Prof. M.N. Haque	M.E.(IT)	Asst. Prof.	Data Mining	4
15	Prof. C S Deshmukh	M.E.(IT)	Asst. Prof.	Wireless Network	6
16	Prof. F. M. Shelke	M.E.(CSE)	Asst. Prof.	Network Security, Cloud Computing	3
17	Prof. S. C. Tawalare	M.E.(IT)	Asst. Prof.	Database	5
18	Prof P. P. Bambal	M.E.(CN)(P)	Asst. Prof.	Networking	1
19	Prof. R. P. Yawale	M.E.(CSE)(P)	Asst. Prof.	Image Processing	1
20	Prof. A. A. Tayade	M.E.(CSE)	Asst. Prof.	CO Analyzer	6
21	Prof. Sagar Pande	M.Tech (CSE)	Asst. Prof.	Data mining	1
22	Prof. A. A. Mohod	M. E.	Asstt. Prof.	Data Structure	1
23	Prof. Nitin Chavan	M. E.	Asstt. Prof.	Networking, Cloud Computing	8
24	Prof. Pooja Tekade	M.E.	Asstt. Prof.	Data Structure	5

Faculty Profile (PG) with name, qualification, designation, specialization

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. K. B. Bijwe	M.E.(CSE)	Asst. Prof.	Image Processing	8
2	Prof. M. S.Burange	M.E.(IT)	Asst. Prof.	AI	7
3	Prof. P. V. Kale	M.E.(CSE)	Asst. Prof.	DBMS, XML Parsing & Data Structure	8
4	Prof. K. K.Chhajed	M.E.(CSE)	Asst. Prof.	Network Security, Data Mining	8
5	Prof. P. B. Sambhare	M.Tech.(CSE)	Asst. Prof.	Image Processing	7

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13. Student –Teacher Ratio (programmedwise):

Degree	Ratio
UG	15:1
PG	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	08	08
Administrative Staff	01	01

15. Qualifications of teaching faculty with D. Sc / D.Litt/ Ph. D/ M. phil. / PG.

Degree	No. of Faculty
Ph.D.	Nil
Ph.D. Pursuing	02
PG	29

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/ facility recognized by the University: Nil

19. Publications:
　　　Publication per faculty
- **Number of papers published in peer reviewed journals (national / international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ISSN numbers with details of publishers**

- **Citation Index**
- **SNIP**
- **SJR**
- **Impact factor:**
- **h-index**
- **National Conference: 37**
- **International Conference: 72**
- **National Journal: 11**
- **International journals: 226**

Sr. No.	Name	National Conference	International Conference	National Journal	International Journal
1	Prof. V. B. Gadicha	05	10	0	24
2	Prof. C. J. Shelke	----	10	03	15
3	Prof. P. D. Soni	----	01	----	25
4	Prof. A. S. Kapse	01	03	01	25
5	Prof. V. B. Bhagat	----	05	----	05
6	Prof. A. B. Gadicha	07	21	----	28
7	Prof. P. P. Pawade	05	01	01	07
8	Prof.K.B. Bijwe	03	02	----	12
9	Prof.M.S.Burange	02	----	----	12
10	Prof.P.B.Sambhare	----	03	02	12
11	Prof.N.G.Khan	01	----	----	04
12	Prof.A. V. Dahat	01	03	01	01
13	Prof.K.K.Chhajed	----	01	----	04
14	Prof. P. V. Kale	02	03	----	05
15	Prof. D. C. Dhanwani	----	02	----	06
16	Prof. S. S. Sagane	01	----	02	----
17	Prof. A. D. Lonare	----	01	----	03
18	Prof. A. R. Ladole	----	01	----	03
19	Prof C S Deshmukh	03	01	----	05
20	Prof S S Deshmukh	----	----	----	03
21	Prof M N Haque	01	----	----	02
22	Prof. F. M. Shelke	----	----	----	11
23	Prof. S. R. Sontakke	01	----	----	05
24	Prof. A. A. Tayade	02	1	----	----
25	Prof. S. C. Tawalare	----	01	01	04
26	Prof. R. P. Yawale	----	----	----	03
27	Prof. A. O. Sable	01	01	----	----
28	Prof P. P. Bambal	01	01	----	01
29	Prof.K.S.Hinge	----	----	----	01

20. Areas of consultancy and income generated: Nil

21. Faculty as members in
        a)National committees, b) International Committees, c) Editorial Boards

Sr. No.	Professional Body/ Society	Name of Faculty Members	Registration No.
1	ISTE CSI JOC (Editorial Board) IEJRD (Editorial Board) IJAETNAS(Editorial Board) IORD(Editorial Board)	Prof. V.B.Gadicha	LM-767990 NI- 084212 --------
2	ISTE	Prof. A. S. Kapse	LM-108797
3	ISTE	Prof. V. B. Bhagat	LM-77003
4	ISTE	Prof. A. B. Gadicha	LM-77020
5	ISTE	Prof.K.B.Bijwe	LM-77017
6	ISTE	Prof.M.S.Burange	LM-77018
7	ISTE	Prof.P.B.Sambhare	LM-103669
8	ISTE	Prof.N.G.Khan	LM-103668
9	ISTE	Prof.K.K.Chhajed	LM-73977
10	ISTE	Prof.D.C.Dhanwani	LM-103673
11	ISTE	Prof.S.S.Sagane	LM-81960
12	ISTE	Prof.C S Deshmukh	LM-81961

22. Student projects

a) Percentage of students who have done in-house projects including

interdepartmental/ programmed

Academic Year	Percentage of students who have done in-house projects	Percentage of students placed for projects outside the institution
2015-16	100 %	NIL
2014-15	100 %	NIL
2013-14	100 %	NIL
2012-13	100 %	NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.
        in Research laboratories/ Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students

Sr. No.	Name of Faculty	National/ International Event
1	Prof. V. B. Gadicha	Ist Merit in Master of Engg Summer-2010 in SGBAU
2	Prof. A. B. Gadicha	Ist Merit in Master of Engg Summer-2011 in SGBAU
3	Prof. V. B. Bhagat	Best Teacher Award in International Event-Techelons 12

| 4 | Prof.M.S.Burange | Best Teacher Award in International Event-Techelons 2012. |
| 5 | Prof.A.D.Lonare | Best Paper Award in International Conference- ICPVS-2014. |

Sr. No.	Name of Student	National/International Event
1	Harshwardhan Y. Meshram	National Techfest at PRPCEM Techelons-2015 3rd from zonal level in Robotics.
2	Dinesh D. Jumnani	
3	Priyadarshan L. Joshi	
4	Sumit Shinde	
5	Vikrant Shendarkar	
6	Dinesh D. Jumnani	National Techfest at PRPCEM Techelons-2015 2nd from zonal level in Project Exhibition
7	Jaishree M. Kamble	National Techfest at PRMITR (2015) 1st Rank in Paper Presentation
8	Sneha V. Deshmukh	
9	Bhagyashree S. Dhopte	Php & jhoomla competition at HVPM-2015 2nd prize
10	Varsha Thombare	
11	Kirti Mali	Php & jhoomla competition at HVPM-2015 3rd prize
12	Mamata D. Chaudhari	Quiz competition at P.D. Polytechnic 1st prize
13	Punam P. Dikkar	
14	Varsha Thombare	National Techfest at Sanmati COE-2015 2nd prize in Paper presentation
15	Ruchika N. Dive	National Techfest at GCOE-2015 2nd prize in Project Exhibition
16	Priyanka S. Khorgade	
17	Shreya S. Patel	Seed Infotech Pvt Ltd.-2016 -1st Price.
18	Akshay Mahulkar	Googler - College level tech fest(Spark 2K16)-1st Price
19	Juhi Dakhane	Anchoring- Unmesh 2016 -2nd Price
20	Sonali Harel Minal Dhore	Twins Day Unmesh 2016- 1st Price
21	Mukesh tayade Mumshad Inamdar	Top Coder- Spark 2k16(P.R.Patil College of Engg. & Technology,Amravati-1st Price
22	Taheniyath Shua Seema Bundele Shubhangi Chikte Priya Sakharkar Bhagyshree Dhopte Savinay Bhojane Shubham Devalpalliwar Kunal Shambharkar	Vidyotan-2016 1st Price-Win V-Cup in Treasure Hunt

24. List of Eminent Academicians/ Scientists/ Visitors to the Department:

Sr. No.	Name eminent Academicians/ Scientists/ Visitors/Industry Experts	Subject/Topic	Date
1	Mr Subodh Deshmukh	Personality Development (Wipro Technologies)	18/07/2014
2	Mr. Nakul Deshmukh	Web pages Development	06/07/2015
3	Mr. Umesh Aaglave	Carrier After GATE	08/07/2015
4	Mr. Aditya Tondre	Guest Lecture on GATE Awareness and Importance	25/07/2015
5	Mr. Bharat Sharma	Opportunities in UPSC/MPSC after BE	1/08/2015
6	Mr. Gurmit Sing	Personality Development	18/08/2016
7	The Gate Academy Pvt. Ltd	Gate Awareness	20/07/2016
8	Anthony Thomas	Guest Lecture on "Effective Communication"	April 2016
9	Mr. Madhur Karwa	Guest Lecture on "Aptitude Preparation"	11/08/2016

25. Seminars/Conferences/Workshops organized & the source of funding
a)National

Sr. No.	Particular	Name of Event	Source of Funding	Date
1	Workshop	Workshop on Linux OS Design by Mr. Krushnakant Mane	Self Finance	18/02/2013 to 20/02/2013
2	Workshop	Android Applications Development by Mr.Nakul Deshmukh	Self Finance	23/06/2014 to 04/07/2014
3	Workshop	Soft skill training by Globarena	Self Finance	09/07/2014 to 18/07/2014
4	Workshop	Technical Training by Mr. Ashish Mithole	Self Finance	23/07/2014 to 30/08/2014
5	Workshop	Soft skill training by Globarena	Self Finance	26/12/2014 to 31/12/2014
6	Workshop	Soft skill training by Globarena	Self Finance	03/03/2016 to 05/03/2016
7	Workshop	Web Akruti Pvt.Ltd	Self Finance	13/07/2016 to 30/07/2016
8	Workshop	Workshop on IOT by Axiom Pvt. Ltd	Self Finance	13/01/2017
9	Workshop	Workshop on Android Development by IBase Tech.	Self Finance	20/01/2017 to 23/01/2017

26. Student profile programme/ course-wise:

a) First year UG and PG:

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Computer Science and Engg.(UG)	120	107	59	48
	Computer Science and Engg.(PG)	30	06	01	05
2015-16	Computer Science and Engg.(UG)	120	102	56	46
	Computer Science and Engg.(PG)	30	09	00	09
2014-15	Computer Science and Engg.(PG)	120	75	40	35
	Computer Science and Engg.(UG)	30	30	07	23
2013-14	Computer Science and Engg.(PG)	120	93	39	54
	Computer Science and Engg.(UG)	30	30	12	18
2012-13	Computer Science and Engg.(PG)	60	63	26	37
2011-12	Computer Science and Engg.(UG)	60	62	24	38
2010-11	Computer Science and Engg.(UG)	60	60	29	31

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
BE	2013	100%	NIL	NIL
	2014	100%	NIL	NIL
	2015	100%	NIL	NIL
	2016	100%	NIL	NIL
ME	2013	100%	NIL	NIL
	2014	100%	NIL	NIL
	2015	100%	NIL	NIL
	2016	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	Number of students cleared GATE exam	Number of students cleared CAT exam
2015-16	00	00
2014-15	00	01
2013-14	02	00

29. Student Progression

Student Progression	Number				Against % Enrolled			
Batch	2013	2014	2015	2016	2013	2014	2015	2016
UG to PG	22	08	07	04	32.83	13.56	11.67	7.14
PG to PhD	00	00	00	00	00	00	00	00
Campus Recruitment	06	22	14	17	7.89	37.28	23.33	30.36
Other Campus Recruitment	16	10	12	1	21.05	16.95	20	1.79

Campus selection:

Students Placed: 2012-13 batch

Sr. No.	Name of Students	Company Name
1	Shrikant Borole	Zeon Solutions
2	Shraddha Bhole	Zeon Solutions
3	Kashif Khan	Smart Data
4	Pankaj Waghore	Smart Data
5	Tushar Waydhane	Smart Data
6	Lokesh Bhate	Twist mobile

Students Placed: 2013-14 batch

Sr.No.	Name of the Student	Company Name
1	Ku. Heena Agrawal	Persistent Systems Ltd.
2	Ku. Kajal Harshad Chauhan	Zensar Technologies
3	Ku. Surya J. Khivsara	Smart Data Enterprises, Nagpur
4	Ku. Pooja Sunil Jain	Smart Data Enterprises, Nagpur
5	Apurva Vasant Nandurkar	Smart Data Enterprises, Nagpur
6	Dilesh Kaliram Chauriwar	Smart Data Enterprises, Nagpur
7	Abhijeet N.Manwatkar	Smart Data Enterprises, Nagpur
8	Jagdish Diliprao Sanganwar	Smart Data Enterprises, Nagpur
9	Akash Bambal	Bharati Airtel (Pridefeels)
10	Rajdip Tayade	Bharati Airtel (Pridefeels)
11	Priyanka Khandekar	Bharati Airtel (Pridefeels)

12	Arshiya Sayed	Bharati Airtel (Pridefeels)
13	Mukta Bodhane	Bharati Airtel (Pridefeels)
14	Shital Jambhe	Bharati Airtel (Pridefeels)
15	Mosami Chaudhari	Bharati Airtel (Pridefeels)
16	Supriya Bhichkle	Bharati Airtel (Pridefeels)
17	Shreya Vyas	Bharati Airtel
18	Barekha Ramteke	Bharati Airtel
19	Sonal Futane	Bharati Airtel
20	Shailesh Bhakare	Bharati Airtel
21	Chanchala Ingle	Bharati Airtel
22	Priyanka Chandak	Grace Edunet

Students Placed: 2014-15 batch

Sr. No.	Name of Students	Company Name
1	Mr. Sachin Matte	Quick heal
2	Ku. Komal Thakare	L & T Infotech
3	Ku. kanchan Tale	L & T Infotech
4	Ku.Anuja Raje	L &T Infotech
5	Ku. Nikita Talhar	L & T Infotech
6	Ku. Pooja Hirpurkar	L & T Infotech
7	Ku. Shravan Kalyankar	L & T Infotech
8	Ku. Payal Tale	L & T Infotech
9	Ku. Rashmee Kaware	Enable IT Solution
10	Mr. Akshay Chaudhary	Etkin Software Pvt. Ltd.
11	Ku. Durga Kinge	Etkin Software Pvt. Ltd.
12	Ku. Minal Takarkhede	Etkin Software Pvt. Ltd.
13	Ku. Mayuri Kene	Percept Web Solution
14	Ku. Diksha Gajbhiye	Percept Web Solution

Students Placed: 2015-16 batch

Sr. No.	Name of Students	Company Name
1	Shrutika Goenka	Yodlee, Smart Data, L & T Infot., TCS
2	Ankita Agrawal	FSS
3	Sneha Deshmukh	FSS
4	Sayali Tidke	Eternus, Cyntego
5	Bhashika Raurale	Eternus
6	Akash Modi	FSS
7	Abhilasha Kharate	Cyntego
8	Poonam Chopade	CMS IT Sol.
9	Ruchira Rajas	CMS IT Sol.
10	Kalyani Kadu	CMS IT Sol.
11	Aditya Nerkar	Webtech Developers Pvt. Ltd.
12	Mamta Chaudhary	Cyntego
13	Pooja Deo	Cyntego
14	Nikhil Kolpekwar	Pompeii
15	Akshay Borade	Pompeii
16	Vaibhav Aghadate	HCL Sol.
17	Urvashi Patkar	Triangle Pvt. Ltd

30. Details of Infrastructural facilities

a) Library

UG Books

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
740	4440	08	04

PG Books

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
25	190	03	02

b) Internet Facilities for Staff & Students

Sr. No.	Name of the LAB	Number of PC's	Internet facility Available	Remark
01	Computer Center	50	Yes	
02	Project Lab	30		

c) i) Class Rooms

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with
II Year (Sec-A)	UG	Exclusive	60	Digital Board, LCD Projector, speakers
II Year (Sec-B)	UG	Exclusive	60	
III Year (Sec-A)	UG	Exclusive	60	
III Year (Sec-B)	UG	Exclusive	60	
IV Year (Sec-A)	UG	Exclusive	60	
IV Year (Sec-B)	UG	Exclusive	60	
I Year ME	PG	Exclusive	60	

ii) Laboratories

For UG:

Sr. No.	Curriculum Laboratories Description	Shared / Exclusive	Space/ Number of PC's	Course/ Number of experiments	No. of Major instruments/Important software
01	Computer Center	Exclusive	100	Internet use	Computer Sets, windows 7 OS, windows XP, printer, basic application software.
02	Project Lab	Exclusive	24	Project and Seminar,	Computer Sets, windows 7 OS, basic application software, RSA basic application softwares.
03	Web Technology Lab	Exclusive	50	DSP, AI	Computer Sets, windows XP OS, Prolog, Matlab and basic application softwares.
04	Programming Lab	Exclusive	32	PM,OOP	Computer Sets, windows XP OS, tubo C++,Netbeans, JDK 1.1,basic application softwares.
05	Hardware and Networking Lab	Exclusive	25	STLD, C-Lab(II)	Computer Parts , Network devices and Computer Sets, Xling, basic application softwares.

06	System Software Lab	Exclusive	31	SS,OS	Computer Sets, windows XP OS, Turbo C, basic application software.
07	C-Programming Lab	Exclusive	25	C-Lab(I)	Computer Sets, windows XP OS, Photoshop, Page maker, corol draw, micromedia flash, basic application software.
08	ALP Lab	Shared	25	DAA, ALP	Computer Sets, windows XP OS, TASM, basic application softwares.
09	Database Lab	Shared	25	DBS, CPA	Computer Sets, windows XP OS, SQL.

For PG:

Sr. No.	Curriculum Laboratories Description	Shared / Exclusive	Space/ Number of PCs	Course/ Number of experiments	No. of Major instruments/Important software
01.	PG Lab (Web-Tech lab)	shared	25	RTS,DP, ESD,ACT	Computer Sets, printer, SQL, Turbo C, basic application software.

31. Number of students receiving financial assistance from college, university, government or other agencies

No. of Students	Category						Year
	SC	OBC	VJNT	SBC	ST	TFWS	
222	54	132	22	8	00	6	2016-17
272	55	168	29	10	04	6	2015-16
220	44	137	20	11	02	6	2014-15

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sr. No.	Name of Program	Date	Guest / Speaker	Topic
01	Two days workshop for third year students	12/01/2012 to 13/01/2012	Mr.Nikhil Agrawal Software Engineer from Pune	Basic concepts of Java and Java Project.
02	Seminar	14th January 2012	Ms. Radha Gudadhe MBA (HR) in Cummins college	Personality Development
03	One day workshop for third year students	Second week of February	Mr. Nikhil Agrawal Software Engineer from Pune	Review of project given in previous workshop and

04	Seminar	14th Jully 2012	Mr. Ketan Chandekar Mr. Saket Patrekar	Software Testing
05	Seminar	24th Jully 2012	Mr. Yugandhar Tikhe	Android Applications Development
06	Workshop	28th August 2012	Mr. Sulabh Jain Mr. Sushant Jain	Ethical Hacking
07	Mock Placement	1st and 2nd September 2012	HR and Technical Expert From various software industry	Aptitude test, group discussion, technical
08	Workshop	24,25/08/2013	Mr. Sagar Lachure Mr. Prakash Chandure	Latex software
09	Meditation	14th August 2013	Mr. Daniel	Yoga and meditation
10	Workshop	26/09/13	Mr. Rajan Pani Mr. Sudhish	Creating Android App in Java
11	Workshop	8th and 9th Feb 2014	Mr. Sandipkumar Matheria	Workshop on PHP
12	Seminar	25/03/2014	Mr. Nakul Deshmukh	Android
13	Workshop	14th March 2014	Mr.Aniket Bhalerao (Wipro)	Ethical Hacking
14	Technical Training	23rd July 2014-30th August 2014	Mr.Ashish Mithole	C,C+ +,DS
15	Guest Lecture	18th July 2014	Mr Subodh Deshmukh	Personality Development (Wipro Tech)
16	Workshop	9th 10th and 28th August 2014	IIT Bombay Online Tutorials	Workshop on IIT spoken tutorial
17	Workshop	10th October 2014	Mr. Shrikant Pandey	Linux OS
18	Guest Lecture	6th July 2015	Mr. Nakul Deshmukh	Web pages Development
19	Guest Lecture	8th July 2015	Mr. Umesh Aaglave	Carrier After GATE
20	Guest Lecture	01st October 2015	Mr. Bharat Sharma	Opportunities in UPSC/MPSC after BE
21	Workshop	03rd October 2015	Mr. Sachin Mahure	Live Project Training

22	Guest Lecture on GATE	25th July 2015	Mr. Aditya Tondre	Awareness and Importance
23	Workshop	23rd Jan 2016	Mr. Sachin Mahore	ASP.NET
24	Workshop	24th Feb 2016 & 25th Feb 2016	Miss Lipu Mahanty	C,C++,Java & SQL
25	Workshop	19th March 2016 & 20th March 2016	Mr. Mayank Sharma	Cloud Computing
26	Guest Lecture	18th July 2016	Gurmit Sing	Personality Development
27	Guest Lecture	20th July 2016	The Gate Academy Pvt. Ltd	Gate Awareness

33. Teaching methods adopted to improve student learning

   a. Effective black board teaching

   b. Tutorial session on subject

   c. Use of power point presentation if necessary

   d. Conduction of class test after every unit

   e. Assignments on the topic taught

   f. Providing question bank with model answer.

   g. Providing study material on demand

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

Strengths:
- Good Infrastructure.
- Experienced faculty.
- Healthy atmosphere.

Weaknesses:
- Located in industrially backward area.
- Scope for improvement in consultancy work.

Opportunities:
- Tremendous scope for research.
- Job opportunities in Corporate and Government sector.

Challenges:
- To maintain quality of students.
- To increase employability.

Evaluative Report of Electronics & Telecommunication Engineering

1. **Name of the Department:** Electronics and Telecommunication Engg.

2. **Year of Establishment:** 2009-2010

3. **Names of Programmes/ Courses offered (UG, PG):** UG and PG

Name of the Program	Year of establishment
UG: B. E. (Electronics & Telecommunication Engg.)	2009-2010
PG: M. E. (Electronics & Telecommunication Engg.)	2013-2014

4. **Names of Interdisciplinary courses and the departments/units involved**

Sr. No.	Name of Interdisciplinary Course	Department
1	Mathematics-III	Applied Science
2	Computer Programming And Applications	Computer Science & Engineering
3	Electric Drives & Measurements	Electrical Engineering
4	Industrial Management & Quality Control	Mechanical Engineering
5	Introduction To Computer Networks	Computer Science & Engineering
6	Data Communication Network	Computer Science & Engineering

5. **Annual/ semester/ choice based credit system (programmewise):**

   -U. G. Semester based Credit Grade system (CGS).

   -P. G. Semester based Credit Grade system (CGS).

6. **Participation of the department in the courses offered by other departments**

Sr. No.	Name of Interdisciplinary course	Department
1	Electronic Devices and Circuits	Electrical Engineering
2	Analog and Digital Circuit	Electrical Engineering
3	Power Electronics	Electrical Engineering
4	Electro Magnetic Theory	Electrical Engineering
5	Microprocessor & Microcontroller	Electrical Engineering
6	Wireless Technology	Electrical Engineering
7	Digital Signal Processing	Electrical Engineering

8	Electronic Devices and Circuits	Computer Science & Engineering
9	Analog Digital Integrated Circuit	Computer Science & Engineering
10	Embedded System	Computer Science & Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Sr. No.	Name of the Course	Collaborating agency other than University/Industries
1	Soft Skill Training	Globarena
2	Embedded system	Prolific Systems Pvt Ltd., Nagpur
3	Arduino & Raspberry Pi	MDB Electrosoft, Amravati

8. Details of courses/ programmes discontinued (if any) with reasons: Nil

9. Number of Teaching Post:

Post(UG+PG)	Sanctioned	Filled
Professor	01	00
Associate Professor	02	01
Assistant Professor	12	16

10. Faculty profile (UG) with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr. No	Name of Faculty	Qualification	Designation	Specialization	Experience (Years)
1	Mr. Rahul D. Ghongade	M.E. Ph. D.(p)	Asso. Prof. & Head	Signal & Image processing, ANN	17
2	Mr. Gajanan D. Nagose	M.E.	Asst. Prof.	Electromagnetic Fields	7
3	Mr. Umesh Hore	M.E.	Asst. Prof.	Digital Electronics	14
4	Mr. Akshay Dhande	M.E.	Asst. Prof.	Digital Electronics	6
5	Mr. Vishal Padole	M. Tech.	Asst. Prof.	Electronic System & Communication	6
6	Mr. Vishal B. Langote	M. Tech.	Asst. Prof.	Electronic Circuits, Image Processing	3
7	Mr. Mahendra P. Randive	M. E.	Asst. Prof.	Image Processing, Embedded System Design	2
8	Mr. Aniket R. Pawde	M. E.	Asst. Prof.	VLSI	5
9	Ms. Dewal Patne	M. E.	Asst. Prof.	Communication, Image Processing	1

10	Mr. Ashish R. Bandre	M. E.	Asst. Prof.	Image Processing	5
11	Mr. Rupal Walli	M. E.	Asst. Prof.	Electronics Engineering	4
12	Ms. Ujwala V. Chaudhari	M. E.	Asst. Prof.	FPGA, Microcontrollers	1

Faculty Profile (PG) with name, qualification, designation, specialization

Sr. No.	Name	Qualification	Designation	Specialization	Experience (Years)
1	Mr. P. N. Pusdekar	M. Tech.	Asst. Prof.	Antenna Design, Speech Processing	8
2	Ms. S. K. Nanda	M. E.	Asst. Prof.	Digital Electronics	7
3	Mr. R. D. Sushir	M. E.	Asst. Prof.	Digital Electronics	5.5
4	Mr. S. P. Bhonge	M. Tech.	Asst. Prof.	Image Processing	3
5	Mr. B. R. Mankar	M. E.	Asst. Prof.	Mixed CMOS Design, Signal Processing	4

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

14. Student –Teacher Ratio (programme wise):

Degree	Ratio
UG	15:1
PG	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	08	08
Administrative Staff	01	01

c) **Qualifications of teaching faculty with D. Sc. / D. Litt. / Ph. D. / M. Phil. / PG.**

Degree	Number of Faculty
Ph.D.	00
Ph.D. Pursuing	02
PG	15

d) **Number of faculty with ongoing projects from a) National, b) International funding agencies and grants received: Nil**

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Funding Agency	Title of Project	Name of Faculty	Grant Received
01	DST, New Delhi	Hybrid Solar Cooker	R. D. Ghongade	1,00,000/-
02	DST, New Delhi	Smart City Application for Feature Ready Application	B. R. Mankar	1,00,000/-

18. Research Centre/facility recognized by the University: Nil

 19. Publications:

  Publication per faculty

- **Number of papers published in peer reviewed journals (national / international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) :**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ISSN numbers with details of publishers**
- **Citation Index**
- **SNIP**
- **SJR**
- **Impact factor:**

- **h-index**
- **National Conference: 8**
- **International Conference: 01**
- **National Journal: 00**
- **International journals:27**

Sr. No.	Name of Faculty Member	National Conference	International Conference	National Journal	International Journal
1	Prof. R. D. Ghongade	**08**	**01**	**---**	**08**
2	Prof. P. N. Pusdekar	---	---	---	04
3	Prof. G. D. Nagoshe	---	---	---	---
4	Prof. S. K. Nanda	---	---	---	01
5	Prof. R. D. Sushir	---	---	---	01
6	Prof. Umesh Hore	---	---	---	02
7	Prof. Akshay Dhande	---	---	---	02
8	Prof. Vishal Padole	---	---	---	01
9	Prof. B. R. Mankar	---	---	---	02
10	Prof. S. P. Bhonge	---	01	---	04
14	Prof. Dewal Patne	---	---	---	02

20. Areas of consultancy and income generated: Nil

21. Faculty as members in a) National committees, b) International Committees, c) Editorial Boards

Sr. No.	Name of Faculty Member	Membership of Professional body / Society	Membership No.
1	Prof. R. D. Ghongade	IETE, ISTE	M159671, LM36174
2	Prof. P. N. Pusdekar	ISTE	LM56203
3	Prof. S. K. Nanda	IETE, ISTE	AM227846, LM76377
4	Prof. Umesh Hore	ISTE	LM77016
5	Prof. B. R. Mankar	ISTE	LM 103676
6	Prof. S. P. Bhonge	ISTE	LM 103674
7	Prof. V. B. Langote	ISTE	LM 103677
8	Prof. J. J. Zunzunwala	ISTE	LM 103680

22. Student projects:

a) **Percentage of students who have done in-house projects including inter departmental/ programmed**

e) **Percentage of students placed for projects in organizations outside the Institution i.e. in Research laboratories/ Industry/ other agencies:**

Academic Year	Percentage of students who have done in-house projects	Percentage of students placed for projects outside the institution
2016-17	100 %	NIL
2015-16	100 %	NIL
2014-15	100 %	NIL

23. Awards / Recognitions received by faculty and students:

Sr. No.	Name of Faculty	National/International
1	Prof. S. P. Bhonge	Best Paper Award in International Conference-ICETE2012.
2	Prof. Aniket Trivedi	Best Faculty Award in Techelons 2012
Sr. No.	Name of Student	National/International
3	Mr. Shivray Samdekar	First prize in Paper Presentation (Techelons 2017)
4	Mr. Shashikant Agrawal	National Tech –Fest 2015(Model Exhibition)
		Unmesh 2015(Best Anchor)
		Electrofreakes 2K15,March 2015
5	Miss Arshiya Railiwale & Group	Best Dancer Award Unmesh 2015
6	Miss Arshiya Railiwale	Best Kho – Kho player 2015
		Best Carrom player 2014
7	Pratiksha Domane	1st rank in PPT at Techelons-2015
8	Shubham Raut	2nd rank in PPT at Techelons-2015
9	Lobhesh Yeul Saurabh Suramwar Pankaj Bais Kalyani Mandlik Dipika Golhar	1st prize in Project Exhibition in National Level event "Techelons 2015"

f)   **List of Eminent Academicians/ Scientists/Visitors to the Department:**

Sr. No.	Name of eminent Academicians/ Scientists/ Visitors/ Industry Experts	Subject/Topic	Date
1	Prof Swapnil Dhande, BDCOE, Sevagram	Guest Lecture on Computer Networking	20/07/2012
2	Prolific System, Nagpur	Guest Lecture on Industrial Automation	07/08/2012
3	Dr. Avinsh Saoji	Guest lecture on Personality Development	03/09/2012
4	Mrs. Sindhutai Sapkal	Guest lecture on Women's Empowerment	18/09/2012
5	Dr. U. A. Belorkar , HVPM, Amravati	Guest Lecture on Introduction to VLSI Technology	26/07/2013
6	Prof Gaurav Raut, PRPCE ,Amravati	Guest Lecture on Embedded System	29/07/2013
7	Dr.Avinsh Saoji, Amravati	Guest Lecture on Personality Development	10/08/2013
8	Mrs. Nikki Arora ,Amravati	Guest Lecture on communication skill	27/08/2014
9	Mr.Sunil Dhote	Guest Lecture on Microprocessor based Applications	27/02/2015
10	Mr. Yadav Tarde	Environment Awareness	12/08/2016

25. Seminars/ Conferences/ Workshops organized & the source of funding

a)National

Sr. No.	Particular	Name of Event	Source of Funding	Date
1	Workshop	Embedded system with Arduino and Interfacing through MATLAB.	Self Finance	30/08/2016 to 03/09/2016
2	Workshop	Matlab Interfacing With Hardware Device	Self Finance	26/06/2015
3	Workshop	Soft skill training by Globarena	Self Finance	26/12/2014 to 31/12/2014
4	Workshop	Workshop on C, C++ by Mr. Ashish Mithole	Self Finance	04/08/2014 to 20/08/2014
5	Workshop	Soft skill training by Globarena	Self Finance	09/07/2014 to 18/07/2014

6.	Workshop	Workshop on Embedded System by Prolific System Pvt. Ltd.	Self Finance	22/08/2013 to 27/08/2013

g) **Student profile programme/ coursewise:**

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Electronics & Telecommunication Engg.(UG)	60	26	07	19
	Electronics & Telecommunication Engg. (PG)	30	02	00	02
2015-16	Electronics & Telecommunication Engg.(UG)	60	39	19	20
	Electronics & Telecommunication Engg. (PG)	30	16	01	15
2014-15	Electronics & Telecommunication Engg.(UG)	60	62	34	28
	Electronics & Telecommunication Engg. (PG)	30	30	12	18
2013-14	Electronics & Telecommunication Engg. (UG)	60	59	26	33
	Electronics & Telecommunication Engg. (PG)	30	30	8	22
2012-13	Electronics & Telecommunication Engg. (UG)	60	63	36	27
2011-12	Electronics & Telecommunication Engg. (UG)	60	62	42	20
2010-11	Electronics & Telecommunication Engg. (UG)	60	60	36	24

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
BE	2013	100%	NIL	NIL
	2014	100%	NIL	NIL
	2015	100%	NIL	NIL
	2016	100%	NIL	NIL

	2013	100%	NIL	NIL
ME	2014	100%	NIL	NIL
	2015	100%	NIL	NIL
	2016	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Year	Number of students cleared GATE exam
2016-17	02
2015-16	01
2014-15	Nil
2013-14	01

29. Student Progression

Student progression	Number			Against enrolled		
Batch	2013-14	2014-15	2015-16	2013-14	2014-15	2015-16
UG to PG	12	09	02	21	13	03
PG to PhD	00	00	00	00	00	00
Campus Recruitment	13	12	27	23	18	42
Other Campus Recruitment	12	18	03	21	26	05

Campus selection:

Students Placed: 2013-14 batch

Sr. No.	Name of Student	Company Name
1	Chanda Rajurkar	Bharati Airtel/Genpact/Sutherland Global Corp.
2	Sonal Kadu	Bharati Airtel/Sutherland Global Corp.
3	Rashmi Patil	Bharati Airtel/Genpact
4	Shital Gulhane	Bharati Airtel
5	Sneha Bhendarkar	Bharati Airtel
6	Sneha Gohade	Bharati Airtel/Sutherland Global Corp.
7	Payal Mangale	Bharati Airtel/Sutherland Global Corp.
8	Neha Deshmukh	Bharati Airtel
9	Sharyu Shingane	Sutherland Global Corp.
10	Mrunmayee Thorat	Sutherland Global Corp.

11	Neha Balani	Sutherland Global Corp.
12	Aniket Pundkar	Sutherland Global Corp.
13	Shakti gundale	Varroc Engg. Pvt. Ltd

Students Placed: 2014-15 batch

Sr. No.	Name of Student	Company Name
1	Aniket Raut	L&T InfoTech
2	Saurabh Suramwar	L&T InfoTech
3	Anshuman Parade	L&T InfoTech
4	Ajinkya Thawali	TCS/ Horizon Telecom
5	Pankajkumar Bais	Horizon Telecom
6	Deepika Golhar	Horizon Telecom
7	Samrudha Karangale	HCL Technology/Trivinum Education Services
8	Tushar Waghmare	Clear Path Technology
9	Rajat Pusatkar	Clear Path Technology
10	Chandrashekhar	Trivinum Education Services
11	Pravin Pawar	Shriram Transport Finance Ltd.
12	Yogesh Anasane	Shriram Transport Finance Ltd.

Students Placed: 2015-16 batch

Sr. No.	Name of Student	Company Name
1	Sumedh Gawai	TCS, CMS IT Services,
2	Shubham Raut	TCS, HCL Technology
3	Akshay Mahalle	RDP Telecom, IWS Telecom, SCOPE Telecom
4	Bhagyashri Kale	HCL Technology, CMS IT Services
5	Gauri Pathare	HCL Technology, CMS IT Services
6	Darshan Sable	HCL Technology
7	Siddesh Alone	CMS IT Services, IWS Telecom
8	Vinee Masram	CMS IT Services
9	Nayana Vitewar	CMS IT Services
10	Nikita Borchate	CMS IT Services
11	Sneha Aglave	CMS IT Services
12	Sneha Kothe	CMS IT Services
13	Sanchita Mangale	CMS IT Services,
14	Ashlesha Patil	CMS IT Services
15	Sumit Savarakar	RDP Telecom
16	Chetan Gore	SCOPE Telecom

17	Kiran Waghmare	SCOPE Telecom
18	Prafull Bhande	Pompeii Technology
19	Akshay Shinde	IWS Telecom
20	Akshay Thosar	IWS Telecom
21	Darshan Sabale	IWS Telecom
22	Gaurav Pinjani	SCOPE Telecom
23	GopalDamdar	SCOPE Telecom
24	Chetan Vaidya	SCOPE Telecom
25	NiketanWankhade	SCOPE Telecom
26	Rajesh Mahalle	SCOPE Telecom
27	Bhushan Wankhade	SCOPE Telecom

Students Placed: 2016-17 batch

Sr. No.	Name of Students	Company Name
1	Avanti Kanghe	Neosoft Technology, Pune
2	Sneha Shinde	Amazon, Pune
3	Avanti Kanghe	Amazon, Pune
4	Atmaram Mandle	UNITELWORKS WIRELESS SOLUTIONS
5	Prachi Patil	UNITELWORKS WIRELESS SOLUTIONS
6	Divya Dhole	UNITELWORKS WIRELESS SOLUTIONS
7	Ranu Purohit	UNITELWORKS WIRELESS SOLUTIONS
8	Dinesh Bhogekar	UNITELWORKS WIRELESS SOLUTIONS
9	Nikhil Chechare	UNITELWORKS WIRELESS SOLUTIONS
10	Shivray Samdekar	UNITELWORKS WIRELESS SOLUTIONS
11	Sneha Shinde	UNITELWORKS WIRELESS SOLUTIONS
12	Shahikant Agrawal	EPIC Research Pvt. Ltd
13	Ranu Purohit	EPIC Research Pvt. Ltd
14	Shivray Samdekar	IWS Telecom Pvt Ltd
15	Anees Shaikh	IWS Telecom Pvt Ltd
16	Shahikant Agrawal	IWS Telecom Pvt Ltd

30. Details of Infrastructural facilities

a) **Library**

UG Books

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
295	2929	06	02

PG Books

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
25	210	05	05

h) **Internet Facilities for Staff & Students**

Sr. No.	Name of the Lab/Office	Number of PC's	Internet facility Available
01.	EDC Lab	---	---
02.	Communication Engg Lab	---	Yes
03.	µP & µC Lab	---	---
04.	DSP Lab	24	Yes
05.	Power Electronics Lab	---	---
06.	DIC Lab	---	---
07.	UHF Lab	---	---
08	Electronic Workshop & Project Lab	01	yes
09.	HOD office	03	Yes

c) i) **Class Rooms**

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with
II Year	UG	Exclusive	60	LCD Projector / Desktop Terminal/ White Board/ etc
III Year	UG	Exclusive	60	
IV Year	UG	Exclusive	60	
PG	PG	Exclusive	30	White Board

ii) Laboratories: Department has total 8 Labs

For UG and PG: 7 Labs

Sr. No.	Curriculum Laboratories Description	Shared / Exclusive	Space/ Number of students	Course/ Number of experiments	No. of Major instruments/ Important software
01.	EDC Lab	Exclusive	25	EDC-I, EDC-II	CRO, Power Supply, Analog Lab, Function Generator,
02.	Communication Engg	Exclusive	25	CE-II, DCOM	CRO, DSO, AM Transmitter/Receiver Trainer, Frequency Modulation/Demodulation Trainer, Power Supply.
03.	μP & μC Lab	Exclusive	25	Introduction to Microprocessor, Microprocessor & micro.,Micro. & Applications	CRO, Analog Lab, Power Supply, Microprocessor 8086,8085 Trainer, Microcontroller 8051 Trainer, Interfacing Kits
04.	DSP Lab	Exclusive	25	DSP	MATLAB software, Microwind software, Computers.
05.	Power Electronics & Instrumentation Lab	Exclusive	25	PE, INSTRU	CRO, DSO, Analog Lab, Power Supply, Single Phase Parallel Inverter,
06.	IC Lab	Exclusive	25	DIC, ADIC	CRO, Analog Lab, Power Supply, Digital Lab, MUX- DEMUX Kit, Analog to Digital Kit, Digital to Analog Kit.
07.	UHF Lab	Exclusive	25	UHF, RF & Microwave	CRO, Power Supply, Microwave Test bench,
08	Electronic Workshop & Project Lab	Exclusive	25	ED&C, Project	CRO, Power Supply, PCB lab

31. Number of students receiving financial assistance from college, university, government or other agencies

No. of Students	Category						Year
	SC	OBC	VJNT	SBC	ST	TFWS	
126	28	70	17	8	00	03	2016-17
192	37	110	25	12	5	03	2014-15
215	39	122	27	15	9	03	2013-14

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sr. No.	Name of Program	Date	Guest / Speaker	Topic
01	Soft skill training for final year students	12/09/2016 - 17/09/2016	Barclays	Soft skill Training
02	Workshop for 3rd Year Students by MDB Electrosoft	30/08/2016 - 03/09/2016	Mr. Mangesh Bharati	Embedded systems with Arduino & interfacing through MATLAB
03	Special Lecture for 2nd & 3rd year Students	12/08/2016	Mr. Yadav Tarde	Environment Awareness
04	Special course for final year students	20/06/16 - 04/08/16	Mr. Sumedh Gawai (TCS)	Aptitude Training
05	Workshop for Final Year Students	21/07/2016 - 02/08/2016	Prof. D. C. Dhanwani	C & C++ Language
06	Workshop for 3rd Year Students	22/02/2016 - 26/02/2016	Mr. Mangesh Bharati	Entrepreneurship, Arduino & Raspberry Pi
07	Guest Lecture	27/02/2015	Mr.Sunil Dhote	Microprocessor
08	Guest Lecture	27/08/2014	Mrs. Nikki Arora	Communication skill
09	Workshop for Final Year Students	04/08/2014 - 20/08/2014	Mr. Ashish Mithole	Workshop on C, C++

33. Teaching methods adopted to improve student learning

a. Effective black board teaching

b. Tutorial session on subject

c. Use of power point presentation if necessary

d. Conduction of class test after every unit

e. Assignments on the topic taught

f. Providing question bank with model answer.

g. Providing study material on demand

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Robotics awareness program for outside students.
- Workshop on how to make solar light to save energy.
- Tree Plantation
- Blood Donation Camp

35. SWOC analysis of the department and Future plans

Strength:

- Qualified, highly motivated and devoted faculty.
- Up-to-date facilities and infrastructure like teaching aids, networked computers.
- Good result and placement record.
- Pleasant number of students that have become entrepreneurs.
- Departmental Library with ample connections of various magazines and books.
- Various guest lecturers from the entrepreneurs, corporate personnel and academicians for the students and the faculty.
- Classrooms are equipped with Internet facility and Projectors.
- Dedicated and experienced supporting staff.
- Highly Equipped Laboratories

.

Weakness

- Scope for improvement in consultancy work
- Located in industrially backward area
- Lack of research activities

Opportunities

- Growing demand for people having technical skills.
- Research opportunities in specialized and niche areas Collaborations with industry.
- Industry oriented training.
- Scope for more student placements.
- Workshops and seminars for the faculty to develop their skills.
- Student participation in club activities, inter college Competitions, etc.

Challenges

- ➤ Competition from new entrants at local, national & international level
- ➤ Technology changes that affects the future growth and productivity.
- ➤ Students with diverse backgrounds.
- ➤ Constant changes in Business Scenario.
- ➤ Adapting to changing student expectations.

Future plans of the department.

- ➤ To provide a congenial academic environment and an exhilarating campus life.
- ➤ To provide state-of the-art research facilities to our students in their areas of interests and specialization.
- ➤ Conducting Major/Minor Research Projects.
- ➤ To offer consultancy services.
- ➤ To Establish a Research Center
- ➤ Organization of workshops, STTP, International conference.

Evaluative Report of Civil Engineering

1. Name of the Department: Department of Civil Engineering

2. Year of Establishment: 2013

3. Names of Programmes/ Courses offered (UG,PG):

Name of the Program	Year of establishment
UG: Bachelor of Engineering	2013

4. Names of Interdisciplinary courses and the departments/ units involved:

Introduction to Earthquake Engineering, Disaster Management

Sr. No.	Name of Interdisciplinary Course	Department
1	Fundamental of Architecture design	Architecture
2	Non conventional energy system	Dept. of Mechanical Engineering

5. Annual/semester/ choice based credit system (programmewise):

Bachelor Of Engineering (Civil) -Semester based Credit Grade system (CGS).

6. Participation of the department in the courses offered by other departments

Sr. No.	Name of Interdisciplinary course	Department
1	Strength of Materials	Dept. of Mechanical Engineering
2	Engg. Mechanics	First year
3	Environmental Engg.	All departments for testing and research
4	RCC	All departments for testing and research

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

8. Details of courses/ programmes discontinued (if any) with reasons: Nil

9.   Number of Teaching Post:

Post(UG+PG)	Sanctioned	Filled
Professor	**01**	**00**
Associate Professor	02	00
Assistant Professor	09	12

10. Faculty profile (UG) with name, qualification, designation, specialization,

(D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Sr. No	Name of Faculty	Qualification	Designation	Specialization	Experience (Years)
1	Prof. Mohd. Zuhair	M.E	Asst. Prof.	Structural Engg.	09
2	Prof. Sachin Saraf	M.E	Asst. Prof	GeotechEngg.	11
3	Prof. Nilesh Bhople	M.E	Asst. Prof.	Structural Engg.	11
4	Prof. Pallavi Bokey	M.E	Asst Prof.	GeotechEngg.	09
5	Prof. A.K. Chitkeshwar	M.Tech.	Asst Prof.	Structural Engg.	07
6	Prof. S. V. Dhoke	M.Tech.	Asst Prof.	Structural Engg.	08
7	Prof. A. R. Wadnerkar	M.Tech	Asst Prof	Structural Engg.	04
8	Prof. S. R. Shirbhate	M.Tech	Asst Prof	Structural Engg.	05
9	Prof. Mohd. Abdul Rehman	M.E	Asst Prof	Structural Engg.	07
10	Prof. M. S. Deshmukh	M.E	Asst Prof	Environmental Engg.	09
11	Prof. R.S. Ingole	M.Tech	Asst Prof	Environmental Engg.	1.5
12	Prof. S. Gosatkar	M.Tech	Asst Prof	Environmental Engg.	1.0

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13.   Student –Teacher Ratio (programmewise):

Degree	Ratio
UG	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Technical Staff	08	08
Administrative Staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.: Refer section 10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received:

Sr. No.	Funding Agency	Title of Project	Name of Faculty	Grant Received
01	IEDC	Self compacting concrete at elevated temperatures	Prof. Mohd. Zuhair	100000/-
02	IEDC	Use of waste plastic in flexible pavement	Prof. A. R. Wadnerkar	100000/-
03	IEDC	Effect of fire on compressive strength of concrete	Prof. Mohd. Zuhair	100000/-

18. Research Centre/ facility recognized by the University: Nil

19. Publications:

Publication per faculty

- **Number of papers published in peer reviewed journals (national / international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) :**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ISSN numbers with details of publishers**

- **Citation Index**

- **SNIP**

- **SJR**

- **Impact factor:**

- **h-index**

- National Conference: 10

- International Conference: 06

- National Journal: 00

- International journals:11

Sr. No.	Name of Faculty Member	National Conference	International Conference	National Journal	International Journal
1	Prof. Mohd.Zuhair	01	01	-	02
2	Prof. SachinSaraf	01	-	-	01
3	Prof. NileshBhople	01	-	-	01
4	Prof. PallaviBokey	-	-	-	01
5	Prof. A.K. Chitkeshwar	02	-	-	-
6	Prof. Subhodh V. Dhoke	02	-	-	-
7	Prof. Amit R. Wadnerkar	01	-	-	-
8	Prof. Snehal R. Shirbhate	01	-	-	01
9	Prof. Mohd. Abdul Rehman	-	-	-	01
10	Prof. M. S. Deshmukh	-	-	-	-
11	Prof. R.S. Ingole	-	03	-	04
12	Prof. Sayali Gosatkar	01	02	-	-

20. Areas of consultancy and income generated:

Year	Broad area in which consultancy services provided	Types of consultancy services	Revenue Generated	Name of Faculty(s) involved
16-17	Civil Engineering	Related to strength of material and reinforced cement concrete	46030/-	Prof. N.P. Bhopale, Prof. Mohd. Zuhair

21. Faculty as members in a)National committees, b) International Committees, c) Editorial Boards: Nil

22. Student projects:

a)Percentage of students who have done in-houseprojects including interdepartmental/ programmed: 100%

b) Percentage of students placed for projects in organizations outside the Institution i.e.in Research laboratories/Industry/ other agencies: 0%

23. Awards / Recognitions received by faculty and students:

Sr. No.	Name of Student	National/International
01	Ujjwal Pande	National

24. List of Eminent Academicians/ Scientists/Visitors to the Department:

Sr. No.	Name eminent Academicians/ Scientists/ Visitors/ Industry Experts	Subject/Topic	Date
1	Dr.R. K. Ingale VNIT Nagpur	Introduction to finite method	01 Jan 2015
2	Dr. K. N. Kadam GCOE Amravati	Introduction to finite method	01 Jan 2015
3	Dr. Nitin Katariya PRMITR Amravati	Introduction to finite method	01 Jan 2015

25. Seminars/Conferences/ Workshops organized & the source of funding a) National

Sr. No.	Particular	Name of Event	Source of Funding	Date
1	Workshop	Two days workshop on "Introduction to FEM"	Self	01 & 02 Jan 15

26. Student profile programme/ course wise:

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Civil Engineering	63	62	43	19
2015-16	Civil Engineering	63	62	48	14
2014-15	Civil Engineering	63	63	46	17
2013-14	Civil Engineering	63	56	44	12

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
BE	2013-14	100%	Nil	Nil
	2014-15	100%	Nil	Nil
	2015-16	100%	Nil	Nil
	2016-17	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student Progression: NA

30. Details of Infrastructural facilities

a) Library

UG Books

Total No. of Titles	Total No. of Volumes	Total No. of Journals	Total No. of International Journals
206	1656	04(National)	02(International)

b) Internet Facilities for Staff & Students

Sr.No.	Name of the Lab/Office	Number of PC's	Internet facility Available	Remark
01.	Computer Lab	23	Yes	

c) i) Class Rooms

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with
Second year	Lectures	Exclusive	75 students	Green board, LCD projector
Third year	Lectures	Exclusive	75 students	
Final year	Lectures	Exclusive	75 students	

ii) Laboratories: Department has total Labs

   For UG: 10 Labs

Sr. No.	Curriculum Laboratories Description	Shared / Exclusive	Space/ Number of students	Course/ Number of experiments	No. of Major instruments/ Important software
01.	Reinforced Cement Concrete	Exclusive	30	10	11
02.	Surveying	Exclusive	30	09	08
03.	Transportation Engineering	Exclusive	30	10	14
04.	Geotechnical Engineering	Exclusive	30	20	14
05.	Strength of material	Exclusive	30	10	04
06.	Computer Lab	Exclusive	30	14	02
07.	Fluid Mechanics	Exclusive	30	18	11
08	Geology	Exclusive	30	07	-
09	Environmental Engineering	Exclusive	30	15	10
10	Engineering Mechanics	Exclusive	30	08	05

31. Number of students receiving   financial assistance from college, university, government or other agencies

No. of Students	Category						Year
	SC	OBC	VJNT	SBC	ST	TFWS	
62	12	29	08	03	03	03	16-17
62	10	33	07	01	01	03	15-16
63	02	39	03	02	02	03	14-15
56	09	21	02	03	01	03	13-14

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sr. No.	Name of Program	Date	Guest / Speaker	Topic
01	Special Lecture	02-09-2015	Mr.R.D.Tembhe	Job Opportunities in Civil Engineering
02	Special Lecture	27-02-2016	Mr. Nawab	Mix Design
03	Special Lecture	13-03-2016	Mr. Raju Bhele	Practical difficulties on Site.
04	Special Social Lecture	19/03/2016	Mr. Yashvant Gosavi	Athmhatya Grasth Shetkari KumBiyanna Arthik Madat Upkram
05	Special Lecture	17/09/2016	Dr. Samadhan Morkhade	Motivational Lecture
06	Workshop	02/01/17 to 07/01/17	Prof. M. S. Deshmukh	AutoCAD
07	Workshop	02/01/17 to 07/01/17	Prof. S. V. Dhoke	ETABS
08	Workshop	30/03/17 to 31/03/17	M/S P. N. Surveyors	Total Station

33. Teaching methods adopted to improve student learning

- Use of PPTs and videos
- Objective type test on each unit.
- Industrial site visits
- Photographs of actual sites

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Blood donation camp

- Tree plantation

- Distribution of necessary daily needs to anath ashram.

35. SWOC analysis of the department and Future plans

Strengths:

- Practical oriented and applications based teaching

- Availability of quality equipments for testing and research.

- Good students enrollment.

Weakness:

- Lack of industrial area in surrounding area.

Opportunities:

- Large requirements of engineers due to smart city project.

- Growth of industrial area near Amravati.

Concerns:

- Lack of local employment

Evaluative Report of First year Engineering

3. Name of the Department: First Year Engineering

4. Year of Establishment: 2009

5. Names of Programmes/ Courses offered (UG, PG): UG – Bachelor of Engineering

4. Names of Interdisciplinary courses and the departments/units involved: Nil

5. Annual/semester/choice based credit system (programmewise):

-U. G. Semester based Credit Grade system (CGS).

6. Participation of the department in the courses offered by other departments

Sr. No.	Subject Code	Subject
1	--	Engineering Mathematics-III (All UG Courses)
2	4EP04	Engineering Mathematics-IV (Electrical Engineering)
3	1MTE1	Advanced Mathematics (M. E. Thermal Engineering)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

8. Details of courses/ programmes discontinued (if any) with reasons: Nil

9. Number of Teaching Post:

Post (UG+PG)	Sanctioned	Filled
Professor	**01**	**01**
Associate Professor	Nil	Nil
Assistant Professor	15	31

10. Faculty profile (UG) with name, qualification, designation, specialization, (D.Sc./ D. Litt./ Ph.D. / M. Phil. etc.,)

Sr. No	Name of Faculty	Qualification	Designation	Specialization	Experience (Years)
1	Dr. S. D. Wakde	Ph. D, M.Sc. (Phy.),B.Ed.	Principal	Glasses Ionics; Material Science	30
2	Dr. N.A. Kalambe	Ph. D, M.Sc.Chem, B Ed., M. Phil,	Asst. Prof.	Physical Chem.	9

3	Dr. N. R. Thakare	Ph.D , M.Sc. (Phy), B.Ed.	Asst. Prof.	Material Science & Ionic Battery	17
4	Prof. G. B. Malviya	M.Sc (Maths), M.Phil. Ph.D(p)	Asst. Prof.	Relativity	12
5	Dr. A.D. Bhoyar	M.Sc (Chem), B.Ed., Ph.D	Asst. Prof.	Organic Chem.	15
6	Dr. S. A. Khapare	M. Sc (Maths), M. Phil. Ph.D	Asst. Prof.	Integral Transform	16
7	Prof. S.P. Shahare	M. Sc (Maths), M. Phil, B.Ed, Ph. D(P)	Asst. Prof.	Relativity	9.5
8	Prof. A .B. Dakre	M.Sc.(Phy)	Asst. Prof.	Polymer	7.5
9	Prof. S. S. Nerkar	M. Sc (Math),B.Ed.	Asst. Prof.	Relativity	7
10	Prof. N.R. Bobade	ME (Civil)	Asst. Prof.		5
11	Prof. S. S. Khan	M. Sc(Math), B.Ed.	Asst. Prof.	Relativity	5
12	Prof. S.A. Garud	B.E.(Mech), ME (CAD-CAM)	Asst. Prof.		5
13	Dr. Y. K. More	Ph. D, M.Sc.	Asst. Prof.	Condensed Matter Physics	3
14	Prof. B. D. Burange	M.Sc. (EVS)	Asst. Prof.	Environmental Science	1
15	Prof. S. Gadhave	M.Sc. (Maths)	Asst. Prof.		3
16	Dr. M. C. Golchha	Ph.D, M.Sc.(Phy.)	Asst. Prof.		7
17	Prof. K.S. Lilhare	M.Sc (Math), B.Ed.	Asst. Prof.		5
18	Dr.Y. K. Vyawahare	Ph.D, M.Sc. (Chem.), B.Ed.	Asst. Prof.	Inorganic & Catalysis	11
19	Prof. A.V. Dahat	M.Tech. (CSE)	Asst. Prof.		6
20	Prof.P.A. Deshmukh	M.E. (civil)	Asst. Prof.		5
21	Prof. M. M. Gupta	M.Sc., B.Ed	Asst. Prof.	Organic Chemistry	5
22	Prof. S. A. Thakare	M.P. Ed.	Asst. Prof.		9
23	Prof. S. H.Telkhade	M.Phil, M.A.(English) B.Ed., SET, NET	Asst. Prof.	Literature (Fiction)	10
24	Prof. S. R. Gujar	M.E.	Asst. Prof.		1
25	Mr. N. D. Sontakke	M. Tech	Asst. Prof.		1
26	Prof. N. K. Chavhan	M.Sc.(Geology)	Asst. Prof.	Geology	5
27	Prof.P. N.Deshmukh	M. Tech.(S.E.)	Asst. Prof.	Structure	5
28	Prof. S. A. Kohale	M. E.(App.)	Asst. Prof.		3
29	Prof. S. V. Sonkhaskar	M. E.(App.)	Asst. Prof.		2.5

30	Prof. S. R. Sontakke	M. E.	Asst. Prof.		4.4
31	Prof.S. A. Bhojne	M.Sc (Maths), M.Phil, B.Ed, Ph.D(P)	Asst. Prof.	Relativity	10
32	Dr. N. V. Chore	M.Lib, Ph.D	Asst. Prof.	Research Methodology & IT	10

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13. Student –Teacher Ratio (programmewise): UG: First Year Engineering -15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Administrative Staff	2	2
Support Staff (Technical)	8	8

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

Degree	No. of Faculty
Ph. D.	09
M. Phil.	06
PG	32

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/facility recognized by the University: Nil

19. Publications:

Publication per faculty

- **Number of papers published in peer reviewed journals (national / international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) :**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ISSN numbers with details of publishers**
- **Citation Index**
- **SNIP**
- **SJR**
- **Impact factor:**
- **h-index**
- National Conference:
- **International Conference:**
- **National Journal:**
- **International journals:**

Sr. No.	Name of Faculty Member	National Conference	International Conference	National Journal	International Journal	Books
1	Dr. S. D. Wakade	9	2	6	4	4
2	Dr. N.A. Kalambe	4	NIL	2	8	NIL
3	Dr. N. R. Thakare	2	NIL	2	2	1
4	Prof. G. B. Malviya	2	2	1	2	2
5	Dr. A. D. Bhoyar	1	1	NIL	NIL	1
6	Dr. S. A. Khapare	2	8	NIL	23	NIL
7	Prof. S.P. Shahare	1	2	NIL	4	NIL
8	Prof. A .B. Dakre	1	NIL	1	1	NIL
9	Prof. S. S. Nerkar	1	2	-	1	2

10	Prof. N.R. Bobade	2	NIL	2	2	NIL
11	Prof. S. S. Khan	1	2	-	-	NIL
13	Dr. Y. K. More	1	2	NIL	7	NIL
14	Prof. B. D. Burange	1	NIL	NIL	NIL	NIL
16	Dr. M. C. Golchha	NIL	NIL	NIL	2	NIL
18	Dr. Y. K. Vyawahare	1	NIL	1	1	NIL
19	Prof. A.V. Dahat	NIL	NIL	NIL	1	NIL
22	Prof. S, A. Thakare	NIL	NIL	NIL	1	NIL
23	Prof. S. H. Telkhade	4	1	NIL	1	NIL
24	Prof. S. R. Gujar	NIL	NIL	NIL	1	NIL
25	Mr. N. D. Sontakke	1	NIL	NIL	NIL	NIL
26	Prof. N. K. Chavhan	NIL	2	NIL	2	NIL
27	Prof. P. N. Deshmukh	2	1	NIL	3	NIL
31	Prof. S. A. Bhojne	3	7	6	1	NIL
32	Dr. N. V. Chore	4	1	2	1	NIL

20. Areas of consultancy and income generated: Nil

21. Faculty as members in a)National committees, b) International Committees,
   c) Editorial Boards

Sr. No.	Name of Faculty Member	National/ International Committees	Any other Committees/ Board
1	Dr. S. D. Wakde	----	Member, Board of Studies in Humanities & Sciences, SGBAU, Amravati

22. Student projects:

a) **Percentage of students who have done in-house projects including interdepartmental/ programmed: NA**

b) **Percentage of students placed for projects in organizations outside the Institution i.e. in Research laboratories/Industry/ other agencies: NA**

23. Awards / Recognitions received by faculty and students: Nil

24. List of Eminent Academicians/ Scientists/Visitors to the Department:

Sr. No.	Name of eminent Academicians/ Scientists/ Visitors/ Industry Experts	Subject/Topic	Date
1	Dr. Vikram Singh	Motivational and Academic talk	12/1/2015
2	Swami Nikhileshwaranand	Spirituality and Education	14/1/2015
3	Dr. Uddhavji Gadekar	Motivational Program	21/08/2015
4	Prof. H.Y. Mohod	ISTE student chapter	22/3/2016
5	Dr. Vishram Bapat	ISTE Faculty chapter	16/4/2016
8	Dr. Vivek M. Nanoti	Effective use of Advanced Technology in Engg. Education	5/12/2016
9	Mr. Swapnil Gawande	Patent filing	7/12/2016
10	Mr. Sanjay Jadhao	Entrepreneurship Guidance	26/02/2017
11	Dr. Priya Mohod	Sexual Harassment at work place	27/2/2017
12	Mrs. Kirantai Mahalle	Social awareness	8/3/2017

25. Seminars/Conferences/ Workshops organized & the source of funding: Nil

26. Student profile programme/course wise:

Year	Name of the Programme	Intake	Admitted	Enrolled	
				*M	*F
2016-17	Bachelor of Enggg. (First Year)	480	430	291	139
2015-16	Bachelor of Enggg. (First Year)	480	452	331	121
2014-15	Bachelor of Enggg. (First Year)	480	422	288	134
2013-14	Bachelor of Enggg. (First Year)	480	435	293	142

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
BE	2016-17	100%	Nil	Nil
	2015-16	100%	Nil	Nil
	2014-15	100%	Nil	Nil
	2013-14	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NA

29. Student Progression : NA

30. Details of Infrastructural facilities

   a) Library

   UG Books

Year	Number of Titles			
	2013-14	**2014-15**	**2015-16**	**2016-17**
Engg. Drawing	03	--	--	01
Engg. Mechanics	27	04	--	01
Chemistry	20	--	--	01
Electrical Engg.	15	--	--	01
Mathematics	46	01	01	02
Physics	12	--	--	01
Computer Prog.	06	--	--	01

b) Internet Facilities for Staff & Students : yes

c)   i) Class Rooms :08

       ii) Laboratories: Department has 5 labs.

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	Students Category B E First Year 2013 to 2016										
	SC		OBC		VJNT		SBC		ST		EBC
	Scholarship	Free Ship	Scholarship	Free Ship	Scholarship	Free Ship	Scholarship	Free Ship	Scholarship	Free Ship	
2013	41	20	112	45	20	8	4	7	9	4	25
2014	40	15	139	33	22	12	12	3	2	1	13
2015	43	21	144	38	34	9	5	4	2	2	10
2016	41	18	145	56	30	11	7	2	1	4	19

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- Expert Talk on Personality development by Mr. Sudhir More.
- Motivational Program "Hum Honge Kamyab" by Paneri Pasad and Kanchanmala Pande (handicapped Swimmers) on 12/09/2014.
- "Inspirational & Spiritual Thoughts from Gramgeeta & Rural Development" by Dr. Udhadharaoji Gadekar on 21/08/2015
- One day Workshop for First year on "Women Empowerment" by Hon. Kirantai Mahalle & Dr. Priya Mohod on 08/03/2017.

33. Teaching methods adopted to improve student learning

- **Modes of delivery (MD) in theory courses:** Lecture using Chalk & Board and audio-visual
- **Modes of delivery in Lab courses:** Demo through Models and Audio/Video modes of delivery

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Students Participate in Blood donation camp
- Involved in Tree plantation activity.
- Participate in NSS camp.

35. SWOC analysis of the department and Future plans

Strength:

- Qualified and experienced faculty members.

- Excellent team work among faculty and students

- Students –Teachers guardian scheme, One to one counseling and regular parents' meetings.

- Motivation of students for betterment of university results and placement activity

Weakness:

- Students prefer going to Pune or Mumbai for studies, therefore the input comes from rural area.

- Due to lack of autonomy, curriculum by university has to be adopted.

Challenges:

- To improve the communication skills of students coming from rural areas.

- Uplifting the level of students to face campus interviews.

Evaluative Report of MBA

1. **Name of the Department:** MBA (Master in Business Administration)

2. **Year of Establishment:** 2009

3. **Names of Programmes/ Courses offered (UG, PG) :** PG

Name of the Program	Year of establishment
MBA	2009

4. **Names of Interdisciplinary courses and the departments/ units involved: NA**

5. **Annual/semester/ choice based credit system (programmewise):**

   -P. G. Semester based Credit Grade system (CGS).

6. **Participation of the department in the courses offered by other departments: NA**

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil**

8. **Details of courses/ programmes discontinued (if any) with reasons: NIL**

9. **Number of Teaching Post:**

Post (PG)	Sanctioned	Filled
Professor	01	00
Associate Professor	02	00
Assistant Professor	05	08

10. **Faculty profile (PG) with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,):**

Sr. No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Prof. S. R. Shah	MBA, M.Com, PGDIBO, PhD (P)	Asst. Prof.	Finance	09

2	Prof. N. S. Kariya	MBA, MIRPM, MSc (Statistics)	Asst. Prof.	Marketing	15
3	Prof. A. N. Tondre	MBA, DBM, PDHRM MA, Bed, Mphil, PhD (P)	Asst. Prof.	Human Resource Management	08
4	Prof. V. A. Ingole	MBA	Asst. Prof.	Finance	06
5	Prof. S. K. Singh	MBA	Asst. Prof.	Marketing	07
6	Prof. P. W. Nimbhorkar	B.A ,MBA	Asst. Prof.	Human Resource Management	06
7	Prof. M. I. Qureshi	BBA, MBA, PhD (P)	Asst. Prof.	HRM, MRKT	04
8	Prof. M. D. Upadhyay	MBA	Asst. Prof.	Human Resource Management, Finance	03

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13. Student –Teacher Ratio (programme-wise):

Degree	Ratio
PG	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Staff	Sanctioned	Filled
Administrative staff	01	01

15. Qualifications of teaching faculty with D. Sc./ D. Litt./ Ph. D./ M.Phil./ PG.

Degree	No. of Faculty
MBA	08
M. Phil	01

16. Number of faculty with ongoing projects from a) National and b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and

total grants received: **Nil**

18. Research Centre/ facility recognized by the University: Nil

19. Publications:

- **Publication per faculty**
- **Number of papers published in peer reviewed journals (national/ international) by faculty and students**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities, International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc.):**
  - **Monographs**
  - **Chapter in Books**
  - **Books Edited**
  - **Books with ISBN/ISSN numbers with details of publishers**
  - **Citation Index**
  - **SNIP**
  - **SJR**
  - **Impact factor:**
  - **h-index**
  - **National/International Conference: 73**
  - **National Journal: 46**
  - **International journals:33**

Sr. No.	Name of Faculty Member	National Conference + International Conference	National Journal	International Journal
1	Prof. S. R. Shah	06	03	03
2	Prof. N. S. Kariya	15	14	01
3	Prof. A.N. Tondre	25	10	15
4	Prof. S. K. Singh	11	07	04
5	Prof. P. W. Nimbhorkar	02	01	01
6	Prof. V. A. Ingole	14	8	6
7	Prof. M. I. Qureshi	06	03	03

20. Areas of consultancy and income generated: Nil

21. Faculty as members in
   a)National committees, b) International Committees, c) Editorial Boards: Nil

22. Student projects
   a) Percentage of students who have done in-house projects including interdepartmental/programmed: NA

   b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies: NA

23. Awards / Recognitions received by faculty and students: Nil

25. List of eminent academicians and scientists/ visitors to the department

Eminent Academicians	Scientists/ Visitors
Mohd. Yunus	Chetan Bhagat, Balasaheb Darade, Ashok Khade(DAS Offshore)

25. Seminars/Conferences/Workshops organized& the source of funding
   a)National: NIL

26. Student profile programme/ coursewise:

Name of the Course/ Programme	Year	Applications Received	Selected	Enrolled	
				*M	*F
MBA	2012-13	60	60	29	31
	2013-14	33	33	22	11
	2014-15	53	53	25	28
	2015-16	55	55	38	17
	2016-17	56	56	28	28

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
MBA	2012-13	100%	NIL	NIL
	2013-14	100%	NIL	NIL
	2014-15	100%	NIL	NIL
	2015-16	100%	NIL	NIL

2016-17	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NIL

29. Student progression

Student progression	Number		
	2013-14	**2014-15**	**2015-16**
Campus Selection	16	16	23
Other than campus recruitment	13	11	15

Campus selection:

Students Placed: 2013-14 batch

Sr. No.	Name of Students	Company Name
1	Meghana chitrakar	HDFC
2	Darshana Chitrakar	HDFC
3	Preeti Patil	HDFC
4	Vaibhav Nichal	Axis Bank
5	Aman Munot	Axis Bank
6	Aman Munot	HDFC Bank
7	Prachi Deshkar	HDFC Bank
8	Pranay Laddha	HDFC Bank
9	Madhuri Chopda	IIFL
10	Avinash Lunge	IIFL
11	Sapana Chhangani	IIFL
12	Deepali Chauhan	Genpact
13	Ankita Dube	Genpact
14	Preeti Gedam	Genpact
15	Preeti Gedam	E-wiz
16	Ashish Sisodiya	IIFL

Students Placed: 2014-15 batch

Sr. No.	Name of Students	Company Name
1	Mayuri Pawade	Percept Web Solutions
2	Raunak Bhatia	Metro Global
3	Dimple Sawade	Percept Web solutions

4	Vidhi Sarvaiyya	Percept Web solutions
5	Naina Bhati	Vodafone
6	Zubair Ahmad	Reliance Food
7	Sagar Varhade	Gyan Ganga Group
8	KUnal Labhashetwar	Gyan Ganga Group
9	Aslam Shah	SSFL
10	Deepak Badghare	HDFC Life
11	Ashish Sisodiya	Gateforum
12	Raunak Bhatia	Percept Web Solutions
13	Rohit Umap	Gyan Ganga group
14	Aslam Shah	HDFC Life
15	Sayali Sahastrabuddhe	E-Streets.in
16	Kunal Labhshetwar	Shreeram City Finance

Students Placed: 2015-16 batch

Sr. No.	Name of Students	Company Name
1	Subham Dongre	Swatantra Microfin.
2	Suraj Gaiki	Swatantra Microfin.
3	Sahezad Ahmad	Bizporto
4	Parag Mokalkar	HDFC Bank
5	Sahezad Ahmad	Nexteducation
6	Sanket Wakode	HDFC Life
7	Subham Dongre	HDFC Life
8	Aarti Amzare	HDFC Life
9	Mamta Pachre	HDFC Life
10	Amit Yadav	Universal Education
11	Rupali Mungle	IndusInd Bank
12	Arti Amzare	IndusInd Bank
13	Diksha Rathod	IndusInd Bank
14	Amit Kumar Mohod	Pyramid Group
15	Anjali Warjurkar	Nander Coop. Bank
16	Milind Thute	Piramal Healthcare

17	Rina Bhavsar	Yawatmal Coop.Bank
18	Sandeep Hire	Kishan Motors
19	Komal Bhumbar	Govt. Service
20	Vivek Thakre	Mahindra Finance
21	Payal Malani	IndusInd Bank
22	Amit Yadav	Decimal Solution
23	Sagar Dhokne	Reliance Food

Students Placed: 2016-17 batch

Sr. No.	Name of Students	Company Name
1	Payal Rathi	Metro Global
2	Akshay Falke	Metro Global
3	Shubham Gudadhe	Metro Global
4	Suraj Dakare	Cordova Publications
5	Akshay Pandey	Goyal Ganga Group
6	Avinash Sukhdeve	Goyal Ganga Group

30. Details of Infrastructural facilities

a) **Library**

Total No. of Titles	Total No. of Volumes	Total No. of journals	Total No. of International Journals
959	5694	-	-

b) **Internet facilities for Staff & Students: Available**

   i) **Classrooms with ICT facility: yes**

   ii) **Laboratories: NA**

31. Number of students receiving   financial assistance from college, university, government or other agencies

No. of Students	Category					Year
	SC	OBC	VJNT	SBC	ST	

45	5	33	6	1	0	2014-15
48	14	31	3	0	0	2015-16
94	14	43	06	01	01	2016-17

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts.

GUEST LECTURE REPORT (2013-14)

Sr. No.	Name of Guest	Date	Time	Topics
1	Prof. Mahavir Bhattad	17/08/13	12:30AM-1:30PM	Job Opportunities
2	Mr. M. Ashraf	29/08/13	1PM- 2PM	Employability Skills
3	Dr. Avinash Moharil	27/09/13	11:30AM-12:30PM	Success
4	Dennis Rechard Philip	05/10/13	11:30 AM-1PM	Corporate Skills
5	Mr. Kiran Paturkar	09/10/13	3:30 AM-5PM	Life & Success
6	Dr. S. K. Sharma	11/10/13	3:30 AM-5PM	Self-Actualisation
7	Mr. Sarang Yande	22/10/13	12:15PM-1PM	Soft Skills
8	Mr. Saurabh Khati	22/10/13	1PM-2:30PM	Financial Investment

GUEST LECTURE REPORT (2014-15)

Sr. No.	Name of guest	Date	Time	Topic
1	Prof. Nadim Khan	10/09/14	10 AM-11:54 AM	Job Interview
2	Mr. Prakashanand	16/09/14	11AM-12:30PM	Minding the mind
3	Mr. Sagar Reddy	29/09/14	12:15PM-1:15PM	Motivation
4	Prof. D. V. Sonule	01/10/14	11:30AM-1:00PM	Application of management in new scenario
5	Miss. Pratima Bhaltilak	26/02/15	1PM - 2PM	Opportunity & skills required
6	Mr. Amol S Dabre	04/04/15	11:30AM-1:00PM	Share Market
7	Mr. Uday Puri	29/04/15	10:30AM -11:30AM	Opportunity & skills training for SME
8	Mr. Pradip Chachre	29/04/15	11: 30AM-12:30PM	Opportunity in rural industries.

GUEST LECTURE REPORT (2015-16)

Sr. No.	Name of Guest	Date	Time	Topic
1	Shri Balasaheb Vaidya	21/08/2015	11:00 am -1:00 pm	Agri Business

2	Anant Gulakse	24/08/2015	11:00 am -1:00 pm	Professional Development
3	Shri Vishwasrao Lapalkar	27/8/2015	11:00 am - 1:00 pm	Yuva Bharat Safal Bharat
4	Mr. Sagar nachane	23/9/2015	9:00 am - 11:00 am	Stock Market Functioning
5	Shri Rajendra Tripathi	13/10/2015	12: pm - 01:30 pm	Telemarketing
6	Shri Vinit Chatri CEO OF Swatantra Micro Fiance	06/10/2015	9:00 am -10:00 am	Micro Finance
7	Mr. P.V.Kulkarni Divisional Manager Personnel LIC	30/10/2015	04:pm -06:00pm	Preventive Vigilance
8	Mr. Yogesh Nagpure Assistant Manager HAVELLS	06/02/2016	09:30 am-11:00 am	Channels of Sales Marketing
9	Mr. Nilesh Mandlecha	22/02/2016	09:00-10:30 am	Investment Awareness Programme by BSE in Collaboration with Money Bee

GUEST LECTURE REPORT (2016-17)

Sr. No	Name of Guest	Date	Time	Topic
1	Shri Shivaji Joshi	11/08/2016	11:00 am to 1:00 pm	Relevance of Shivaji in Management Education
2	Dr. Dilip Singh	30/08/2016	11:00 am to 1:00 pm	Professional Development
3	Mayur Joshi	16/09/2016	11:00 am to 1:00 pm	Yuva Bharat Safal Bharat
4	Dr. Vishram Bapat	03/10/2016	09:00 am to 11:00 am	Stock Market Functioning
5	Sameer Ghule	19/10/2016	12: pm to 01:30 pm	Telemarketing
6	Swami Tanmayanand	19/10/2016	01:00 am to 02:00 pm	Micro Finance

33. Teaching methods adopted to improve student learning
- White Board Teaching
- LCD/ Power point presentation
- Use of Multimedia
- Quiz Contest/ Tutorials
- Guest Lectures
- Seminars
- Collaborative learning

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil

35. SWOC analysis of the department and Future plans

Strength

➢ Well qualified, highly motivated and devoted faculty.

➢ Value adding additional programmes.

➢ Examination & Evaluation Process.

➢ Up-to-date facilities and infrastructure like teaching aids, networked computers.

➢ Seven years of proven experience in professional level education and training with growing emphasis on new technology and consultancy activities to further enhance quality of teaching and training.

➢ Good result and placement record.

➢ Pleasant number of students that have become entrepreneurs.

➢ Departmental Library with ample connections of various newspapers, magazines and books.

➢ Various guest lecturers from the entrepreneurs, corporate personnel and academicians for the students and the faculty.

➢ Classrooms are equipped with Internet facility and Projectors.

➢ Dedicated and experienced supporting staff.

➢ Good Industry Institute Interaction cell.

Weakness

➢ Consultancy work needs to be improved.

➢ Weak employability of students

➢ Little emphasis given to the recruitment of international students.

➢ Lack of Inter-disciplinary projects.

➢ Lack of research activities

Opportunities

➢ Growing demand for people having managerial skills.

➢ Research opportunities in specialized and niche areas Collaborations with industry

➢ more conversations and partnerships with local employers – those in the private, nonprofit, and public sectors – so that our students are more appealing to them

➢ Leader in providing quality-engineering education clubbed with placements.

➢ Industry oriented training

➢ Scope for more student placements

➢ Workshops and seminars conducted for the faculty to develop their skills and academic challenges.

➢ Student participation in club activities, inter college Competitions, etc.,

Challenges

➢ Competition from new entrants at local, national & international level

➢ Technology changes that affects the future growth and productivity.

➢ Students with diverse backgrounds.

➢ Constant changes in Business Scenario.

➢ Adapting to changing student expectations.

Future plans of the department.

➢ To provide a congenial academic environment and an exhilarating campus life.

➢ To provide state-of the-art research facilities to our students in their areas of interests and specialization.

➢ To minimize the Cost.

➢ Conducting Major/Minor Research Projects.

➢ To offer consultancy services.

➢ To Establish a Research Center

➢ Organize workshops, International conference.

Evaluative Report of MCA

1. **Name of the Department:** MCA (Master in Computer Application)

2. **Year of Establishment:** 2011

3. **Names of Programmes / Courses offered (UG, PG) :** PG

Name of the Program	Year of establishment
PG (Master in Computer Application)	2011

4. **Names of Interdisciplinary courses and the departments/ units involved - Nil**

5. **Annual/ semester/ choice based credit system (programmewise):**
    -P. G. Semester based Credit Grade system (CGS)- Master in Computer Application (MCA) Semester based system with prescribed number of credits in each subject – three year program

6. **Participation of the department in the courses offered by other departments: Nil**

7. **Courses in collaboration with other universities, industries, foreign institutions, etc. - Nil**

8. **Details of courses/ programmers discontinued (if any) with reasons: Nil**

9. **Number of Teaching Post:**

Post (PG)	Sanctioned	Filled
Professors	01	00
Associate Professors	02	01

Asst. Professors	09	11

10. Faculty profile (PG) with name, qualification, designation, specialization

Sr. No	Name	Qualification	Designation	Specialization	Experience (Years)
1	Dr. C. A. Dhawale	Ph. D.	Associate Professor and HOD	Image & Video Processing	20
2	Prof. P. S. Thombare	MCA	Asst. Prof.	Data Mining	7
3	Prof. A. S. Bhande	MCA	Asst. Prof.	Data Base Management	4
4	Prof. S. M. Jadhav	MCA	Asst. Prof.	SoftwareProject Management	5
5	Prof. V. M. Kale	MCA	Asst. Prof.	Advance Java	5
6	Prof. R. V. Mahule	MCA	Asst. Prof.	Multimedia Technologies	5
7	Mr. A. K. Jamnerkar	M.E	Asst. Prof.	Data Base Management	2.5
8	Mr. A. O. Sable	M.E	Asst. Prof.	Networking and Artificial Intellig.	1
9	Mr. Mohd. Sharik	M.E	Asst. Prof.	Image Processing	1
10	Mr. Nikhil Karale	M.E	Asst. Prof.	Data Mining	1.7
11	Ms. Puja Vilayatkar	M.E	Asst. Prof.	Image Processing	1
12	Ms. Shruti Tale	M.E	Asst. Prof.	Embedded Systems	1

11. **List of senior visiting faculty: 02**

Sr. No	Name	Qualification	Designation	Experience in Yrs.

| 1 | Ms. Florence Thomas | M.B.A | Visiting Faculty | 15 Years |
| 2 | Ms. Bhagyashri Purwar | MCA | Visiting Faculty | 02 Years |

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty: Nil

13. Student –Teacher Ratio (programme wise):

Degre	Ratio
Post Graduate	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Staff	Sanctioned	Filled
Staff (Technical)	02	02
Administrative staff	01	01

15. Qualifications of teaching faculty with D. Sc. / D. Litt./ Ph. D./ M. Phil./ PG.

Degree	No. of Faculty
Ph. D.	1
MCA	5
M. E.	6

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST, FIST, UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre/ facility recognized by the University: NIL

19. Publications: *

- **Number of papers published in peer reviewed journals (National/ International) by faculty and students: 08**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc.): 07**
- **Monographs**

- **Chapter in Books :02**

- **Books Edited**

- **Books with ISBN/ ISSN numbers with details of publishers**

- **Citation Index : 48**

- **Impact factor: 0.1to 4.7**

- **h-index:**

- **National conference: 21**

- **International journals: 30**

- **National Journals: 00**

- **International conference: 29**

Sr. No.	Name	National Conference	Inter- national Conference	National Journal	International Journal
1	Dr. C. A. Dhawale	19	26	-	15
2	Ms. Rachana Mahule	01	02	-	-
3	Mr. A. K. Jamnekar	--	--	-	02
4	Mr. S. D. Pande	-	01	-	03
5	Mr. N. E. Karale	--	--	-	03
6	Mr. A. P. Date	01	--	-	04
7	Ms. A. A. Mohod	--	--	-	02
8	Mr. S. G. Gujar	--	--	-	01

20. Areas of consultancy and income generated: Nil

21. Faculty as members in
   a) National committees, b) International Committees, c) Editorial Boards

Sr. No.	Professional Body/ Society	Name of Faculty Member	Registration No.
1	Life Member ISTE	Dr. C. A. Dhawale	LM4095
2	Senior Member **IACSIT**	Dr. C. A. Dhawale	**80338892**

3	IAENG	Dr. C. A. Dhawale	63089
4	IJCA (Editorial Board)	Dr. C. A. Dhawale	Editorial Board
5	International Journal of Electronics and Electrical Engineers	Dr. C. A. Dhawale	Editorial Board
6	International Journal of Innovative Research in Information Security	Dr. C. A. Dhawale	Editorial Board
7	International Journal of Advancements in Computing Technology	Dr. C. A. Dhawale	Editorial Board
8	International Journal on Advances in Information Sciences and Service Sciences.	Dr. C. A. Dhawale	Editorial Board
9	International Journal on Advances in Information Sciences and Service Sciences.	Dr. C. A. Dhawale	Editorial Board
10	International Journal on Advances in Information Sciences and Service Sciences.	Dr. C. A. Dhawale	Editorial Board
11	Covenant Journal of Computer Science, Vietnam	Dr. C. A. Dhawale	Editorial Board
12	ISTE (Life Member)	Mr. A. P. Date	LM81970

22. Student projects

   a) Percentage of Students Who Have Done In-House Projects Including

     Interdepartmental/ programmed

Year	2013-2014	2014-2015	2015-16
No. of students doing in-department projects	100%	100%	100%

   b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry/ other agencies: 85%

23. Awards / Recognitions received by faculty and students – Nil

24. List of eminent academicians and scientists / visitors to the department

Sr. No.	Eminent Academicians
1	Dr. V. M. Thakare, SGBAU
2	Dr. A. B. Marathe, Principal, HVPM's College of Engg.

3	Dr. S. P. Deshpande, Head, MCA. HVPM,Amravati.
4	Dr. S. B. Thorat, Director, ITM, Nanded
5	Dr. G. R. Bamnote, Head, CSE Deptt, PRMIT, Badnera
6	Prof. Shaligram Prajapat, Reader, Development Center, DAVV,Indore
7	Dr. S. B. Kishor, Head , Computer Application Deptt, S.P.College, Chandrapur
8	Prof. Kaustubh Sakhare, Associate Professor, MIT, Kothrud, Pune

25. Seminars/ Conferences/ Workshops organized & the source of funding

    a) **National**
    b)

Particulars	Name of Event	Source of Funding	Date	Remark
Workshop	Effective Research Methodology and MATLAB Image	Management of MCA Association	27th & 28th February 2015	National

26. Student profile programme/course wise:

Name of the Course/ Programme	Year	Applications Received	Selected	Enrolled	
				*M	*F
Master in Computer Application	2012-13	60	60	24	36
	2013-14	72	69	33	36
	2014-15	72	56	17	39
	2015-16	32	31	12	19
	2016-17	29	29	06	23

*M=Male *F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same State	% of students From other States	% of students From abroad
MCA	2012-13	100	0	0
	2013-14	100	0	0
	2014-15	100	0	0
	2015-16	100	0	0
	2016-17	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NIL

29. Student progression

Student progression	Against %enrolled
PG to M. Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed 　　1.　Campus selection 　　2.　Other than campus recruitment	30% 50%
Entrepreneurship/Self-employment	10%

Campus selection:

Students Placed: 2013-14batch

Sr. No.	Name of Students	Company Name
1	Madhuri Choube	Office Box
2	Anikita Oza	Tez Minds Pvt Limited
3	Ankita Agrawal	Vyom Lab Pvt.Ltd
4	Snehal Gawande	Ample Softtech Pvt. Ltd.

Students Placed: 2014-15batch

Sr. No.	Name of Students	Company Name
1	Kanchan Tirukh	Wipro Technologies
2	Rupali Deshmukh	Smart Data
3	Dipali Dhone	Wipro Technologies
4	Ravi Raut	Atos Origin

Students Placed: 2015-16batch

Sr. No.	Name of Students	Company Name
1	Mr. Anand Kakad	Caparc Pvt. Ltd
2	Mr. Ankit Desai	Caparc Pvt. Ltd

3	Ms. Pooja R. Raut	Get Logic Pvt Ltd	
4	Ms. Nikhil Zagade	SGIARC, Shegaon	
5	Sonal Vidhani	Smart Data	

Workshops for Students: 2012-2016

Sr. No.	Dates	Topic	Expert	Address
1	23/07/2013 to 1/08/2013	ASP.Net with C#	Prof. Girdhari Agrawal & Prof. Vijay Kale	MCA Deptt
2	17/08/2013 to 01/10/2013	Soft Skill	Tejal Jain	Win n Skill Pvt Ltd, Mumbai
3	8/01/2014 to 9/01/2014	Struts and Hybernate	Prof. Vijay Kale	MCA Deptt
4	04/02/2014	Project Development Guidelines	Prof. A. S.Bhande	MCA Deptt
5	7/02/2014 to 11/02/2014	Database Management System for Project Development	Prof. A. S.Bhande	MCA Deptt
6	10/02/2014 to 14/02/2014	ASP.Net with C#	Prof. Sachin Joshi & Prof. Vijay Kale	MCA Deptt
7	24/02/2014 to 26/02/2014	PHP & MySql	Prof. G. V. Agrawal	MCA Deptt
8	24/04/2014	Personality Development	Dr. Gajanan Shekapure	Ex. Director, BTE, Mumbai
9	31/07/2014 to 5/08/2014	CSS & HTML5	Prof. Vijay Kale & Mr. Mukesh Patel	MCA Deptt
10	3/03/2015 to 4/03/2015	PHP 5.0	Prof.G.V.Agrawal	MCA Deptt
11	20/7/2015 to 24/7/2015	ASP.Net with C#	Prof. Vijay Kale	MCA Deptt
12	08/01/2016 to 12/01/2016	Project Development	Prof. Aparna Bhande	MCA Deptt
13	13/01/2016 to 16/01/2016	PHP 5.0	Prof. G. V. Agrawal	MCA Deptt
14	15/10/2016	Aptitude Preparation	Mr. Pratik Bhattad	T & P Department
15	15/10/2016	Public Speaking & GD Etiquettes	Ms. Ashwini Tondare	MBA Deptt.

16	22/10/2016	Placement Preparation for Reasoning	Mr. Rishikesh Bhagwatkar	T & P Deptt
17	22/10/2016	Interview Techniques	Mr. Sagar Sonkaskar	T & P Deptt.
18	11/1/2017	Project Development Life Cycle	Ms.Aparna Bhande	M.C.A Deptt.
19	13/1/2017 to 19/1/2017	Database Management for Project Development	Ms.Aparna Bhande	M.C.A Deptt.

Workshops Conducted – IIT –Spoken Tutorial –FOSS-IIT Mumbai

Sr. No.	Date	Topic	Organizer
1	11- Apr 2014	PHP-MySQL	Dr. C. A. Dhawale, MCA Dept
2	30- Jun 2014	C & CPP	Dr. C. A. Dhawale, MCA Dept
3	18-Jul.2014	Java	Dr. C. A. Dhawale, MCA Dept
4	13-Aug.2014	C Programming	Dr. C. A. Dhawale, MCA Dept
5	13-Aug-2014	CPP	Dr. C. A. Dhawale, MCA Dept
6	28-Aug-2014	C	Dr. C. A. Dhawale, MCA Dept
7	28-Aug-2014	CPP	Dr. C. A. Dhawale, MCA Dept
8	1-Sept.2014	Java	Dr. C. A. Dhawale, MCA Dept
9	12-Sept 2014	C Programming	Dr. C. A. Dhawale, MCA Dept
10	12-Sept 2014	CPP	Dr. C. A. Dhawale, MCA Dept
11	10-Sept.2015	CPP	Dr. C. A. Dhawale, MCA Dept
12	4-oct.2016	PHP & MySQl	Mr.V.M.Kale
13	5-Oct.2016	C Programming	Mr.V.M.Kale
14	17-Oct.2016	CPP	Mr.V.M.Kale

30. Details of Infrastructural facilities
a) Library: PG Book: 2406

Total No. of Titles	Total No. of Volumes	Total No. of journals	Total No. of International Journals
438	2406	10	8

b) Internet facilities for Staff& Students

Sr. No.	Name of Lab	No. of Terminals
1	Computer Center	45

c) Classrooms with ICT facility: 02

d) Laboratories for PG:

Sr. No.	Lab Name	Total Cost Rs.
1	Computer Center Laboratory	2,269,805/-
2	Web Technology	1,085,300/-

Note: All the Laboratories are well equipped with internet facility.

31. Number of students receiving   financial assistance from college, university, government or other agencies

No. of Students	Category					Year
	SC	OBC	VJNT	SBC	ST	
89	13	70	5	1	0	2014-15
60	05	50	02	02	01	2015-16
40	04	31	01	02	01	2016-17

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sr. No.	Date	Topic	Resource Person	Designation
1	15/02/2013	Agile Python	Mr. Surendra Panpaliya,	Director at GKTCS, Innovations Pvt. Ltd, Pune, Maharashtra.
2	05/04/2013	Motivational Speech	Mr. Sachin B. Kalantre,	Resident Deputy Collector, Amravati
3	18/04/2013	Positive Attitude towards Carrier Development	Mr. Rahul Ranjan Mahiwal,	Collector, Amravati Region, MS
4	06/02/2014	Value Education	Dr.Gajanan Shekapure	Ex. Director, BTE, Mumbai
5	06/07/2015	Open source Technologies	Dr.Shaligram Prjapat	Associate Prof. and In-charge - Development Center (IIPS-DC)Indore, Madya Pradesh
			Dr.Ashok Sharma	Associate Professor & Head, Department of Higher

6	07/07/2015	Company Placement	Mr.Ravi Raut	Education, Government of Jammu and Kashmir
				software Developer in System Integration Department ,Atos India pvt ltd
7	01/09/2015	Company Placement	Ms.Vrushali Kale	Software Developer , Slik Web Solutions, Pune
8	04/07/2016	Placement guidance	Ankita Agrawal	Business Development, Anosales LLC, Pune
9	23/08/2017	How to Grab the opportunities	Ms.Vrushali Kale	Tester , Slik Web Solutions,Pune
10	24/08/2017	Personality Development	Mr.Subodh Deshmukh	Motivational Trainer/Corporate/Academic Trainer , Hyderbad

33. Teaching Methods adopted to Improve Student Learning :

Department of MCA generally follows the practice of board teaching to deliver the course content. This practice generally keeps the student intact with the teacher from understanding as well as from problem solving point of view. The students can take running notes of current topics. The students are motivated to visit the library for text books to elaborate the detail notes.

Apart from regular board and chalk, faculties also use power point presentation of their own notes with the supplements of online video lectures of faculties from IIT and other reputed international universities.

In the beginning of every lecture the students are allowed to ask their queries for the previous taught topic, after the query solving , the faculty start the new topic.

The students are given the assignment, and various case studies, also the practical list based on technical and tricky programs are allocated in the practical session.

Faculties help the students to prepare seminars based on the advanced technologies and also for the project selection.

 In overall the following methods are being adopted by the department to improve student learning.

Lecturing, Tutorials, Internal assignments, Quizzes, Seminar, Mini Projects, workshops on advanced technologies, IITs spoken tutorial online workshops with online tests , guest lectures , placement preparation, placement tests, mock interviews, Group discussion, personality development, Annual Technical events with various competitions.

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

➢ Tree Plantation

➢ Blood Donation Camp

➢ Dindi Program

- ➢ Medical awareness program
- ➢ Passport Camp
- ➢ Art of Living Camp
- ➢ International Industrial Tour

35. SWOC analysis of the department and Future plans

Strengths:

- ➢ Hard working & Enthusiastic Faculty
- ➢ Expertise in multidisciplinary knowledge areas
- ➢ Willing to employ innovative teaching-learning methodologies
- ➢ Good infrastructure
- ➢ Well-equipped laboratories.
- ➢ All Laboratories with Internet facility.

Weaknesses:

- ➢ As the domain has been developing fast, there is need to offer more continuing education programs for faculty and students.

Opportunities:

- ➢ To increase the Percentage of placements of students.
- ➢ Provide the students industrial expected training
- ➢ Involvement of students in research activities in association with faculties.
- ➢ Ample scope to start Research Center.

Challenges:

- ➢ To maintain the quality of students.
- ➢ To improve Student's employability ratio.
- ➢ To provide effective input to lower rank Students.
- ➢ Maintain Academic Quality

Annexure

Annexure – I: First time Approval of AICTE (Executive Summary-7a)

अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
(भारत सरकार का एक सांविधिक निकाय) (A STATUTORY BODY OF THE GOVT. OF INDIA)

F.No. : MS(New-Int)/2009/04
June 15, 2009

LETTER OF APPROVAL *(Part-I-New Integrated Campus)*

To

The Principal Secretary
Higher & Technical Education and Employment Development
Govt. of Maharashtra, Mantralaya
Mumbai-400 032
Maharashtra

Sub: Issuance of Letter of Approval for Development of a New Integrated Campus with Multi-Discipline imparting Technical Education in the name and style of P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Pote Estate, Kathora Road, Amravati – 444 602 Maharashtra.

Sir / Madam,
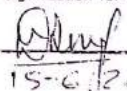
As per the Regulations notified by the Council vide F. No. 37-3/Legal/2004 dated 14TH September 2006 and norms, standards, procedures and conditions prescribed by the Council from time to time and based on the recommendations of the visiting Expert Committee and the EC Sub Committee, I am directed to convey the approval of the Council for the Development of a New Integrated Campus with Multi-Discipline in the name and style of P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Pote Estate, Kathora Road, Amravati – 444 602 Maharashtra for the academic year 2009-10. The Integrated campus has been approved by the Council for the Faculties as per details given below:

S.No.	Name of the Faculty/School as a part of Integrated Campus with Multi-Discipline	Course(s)	Entry level qualification	Approved Intake
1.	Faculty of Engineering	Electrical Engg.	10+2	60
		Electronics & Comm. Engg	10+2	60
		Computer Science & Engg.	10+2	60
		Mechanical Engg.	10+2	60
2.	Faculty of Management	MBA	Graduation	60
	Total			300

2. The approval is valid for two years from the date of issue of this letter. The Society/Trust/Institution shall obtain necessary affiliation/ permission from the concerned affiliating University as per the prescribed schedule of the University/ Admission Authority etc. The Applicant Society/Trust/Institution shall send information about commencement of the above courses to AICTE. Incase, the Institution fails to commence the above mentioned courses for whatsoever reasons during the two years period from the date of issue of this letter, the approval shall automatically become invalid and the applicant society/trust shall have to make a fresh application to AICTE for grant of a fresh approval.

3. The approval is further subject to fulfillment of following conditions.

i. That the management shall provide adequate funds for development of land and building and for providing related infrastructural, instructional and other facilities as per Council's norms and standards laid down by the Council from time to time and for meeting recurring expenditure.

ii. That the admissions shall be made only after adequate infrastructure and all other facilities are provided as per norms and guidelines of the AICTE.

iii. That the admissions shall be made in accordance with the regulations notified by the Council from time to time.

iv. That the admissions to the courses shall be made only after the affiliating University /University under whose ambit the institution is functioning / State Board gives permission to start the course.

v. That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course (s) or alter intake capacity of seats without the prior approval of the Council.

vi. That no excess admissions shall be made by the Institution over and above the approved intake under any circumstances.

vii. That the institutions shall not have any collaborative arrangements with any Indian and/or Foreign Universities for conduct of technical courses other than those approved by AICTE without obtaining prior approval from AICTE.

viii. That the Institution shall not allow conduct of any unapproved course whether technical or non technical in the premises of AICTE approved institution/campus and /or in the name of the Institution without prior permission from AICTE.

ix. That the institution shall operate only from the approved location, and that the institution shall not open any off campus study centers/ extension centers directly or in collaboration with any other institution/ university/ organization for the purpose of imparting technical education without obtaining prior approval from the AICTE.

7वाँ तल, चन्द्रलोक भवन, जनपथ नई दिल्ली–110001
7th Floor, Chander Lok Building, Janpath, New Delhi-110001

15-6-2009

F.No. : MS(New-Int)/2009/04

That the tuition and other fees shall be charged as prescribed by the Competent Authority within the overall criteria prescribed the Council from time to time. No capitation fee shall be charged from the students/guardians of students in any form.

xi   That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the Council or any body or person authorized by it.

xii.   (a)   Director: A Integrated Director may be appointed from any of the disciplines/subjects of technical education being offered in the Campus as per the norms and guidelines laid down for eligibility and selection procedure.

            (b)   Faculty: The Integrated Faculty should be available in each institution as per the existing norms.

            (c)   Non-Teaching staff: The Non – Teaching staff should be available as per the existing norms in each institution. A Registrar/Chief Administrative Officer should be appointed to look after administrative activities of the entire campus. A placement Officer should also be appointed to look after the placement activities of all the Institutions located in the Campus.

            (d)   Other Campus facilities: A common Canteen, common Sports facility and Auditorium etc. may be developed in the Campus for the benefit of students of all the Institutions located in the Campus

            (e)   That all the laboratories, workshops etc. shall be equipped as per the syllabi of the concerned affiliating University /University under whose ambit the institution is functioning, and shall be in operational condition before making admissions.

            (f)   A Central Library covering all the subjects of various institutions located at the same campus with separate libraries located in respective institution/departments is required to be provided. The total no. of books, volumes and journals should be the sum of all the requirement of department/institutions together as per AICTE norms.

            (g)   A Central Computer Center for various institutions located at the same campus with departmental/institutional computer centers located in respective institutions/departments is required to be provided. The no. of computers required are rationalized and the computer student ratio be relaxed up to 1:6.adequate number of terminals, Printers, legal software etc. shall be established as per AICTE norms.

xiii.   That the institution shall furnish requisite returns and reports as desired by AICTE in order to ensure proper maintenance of administrative and academic standards.

xiv.   That the technical institution shall publish an information booklet before commencement of the academic year giving details regarding the institution and courses/programmes being conducted and details of infrastructural facilities including faculty etc. in the form of mandatory disclosure. The information booklet may be made available to the stakeholders of the technical education on cost basis.

xv.   That it shall be mandatory for the technical institution to maintain a web-site providing the prescribed information. The website information must be continuously updated as and when changes take place.

xvi.   That a compliance report in the prescribed format along with mandatory disclosure on fulfillment of the above conditions, shall be submitted each year by the Institution within the time limit prescribed by the Council from time to time.

xvii.   That if Technical Institution fails to disclose the information or suppress and/or misrepresent the information, appropriate action could be initiated including withdrawal of AICTE approval.

xviii.   That a Joint FDR is required to be created for an amount and period prescribed by the Council separately for each institution for from time to time.

xix.   That AICTE may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

xx.   That the AICTE may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc.

xxi.   That the Institution by virtue of the approval given by Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.

xxii.   The Institute shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. © 656/1998. Incase of failure to prevent the instances of ragging by the Institutions, the Council shall take appropriate action including withdrawal of approval.

xxiii.   That the Management shall strictly follow further conditions as may be specified by the Council from time to time.

xxiv.   That the institution shall provide the following facilities for the physically challenged persons.

            a.   Class rooms, toilets and hostels to be made accessible to wheel chair users.
            b.   Resource room for visually impaired students.

c. Accessible Library
d. Counseling Centre for disabled students
e. Facility of Sign Language Interpreter
f. All students needing assistive devices to be provided such devices

4. In the event of non-compliance by any of the Institutions/Schools/Faculties covered under the Integrated campus i.e. in the name and style of P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Pote Estate, Kathora Road, Amravati – 444 602 Maharashtra with regard to guidelines, norms and conditions prescribed from time to time the Council shall be free to take measures for withdrawal of its approval or recognition, without consideration of any related issues and all liabilities arising out of such withdrawal would solely be that of P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Pote Estate, Kathora Road, Amravati – 444 602 Maharashtra.

Yours faithfully,

(Prof. Dev Vrat Singh)
Adviser (E&T)
15-6-2009

Copy to:

1. To Director Of Technical Education,
   Govt. Of Maharashtra,
   Mahapalika Marg, Mumbai-400001.

   (With a request to monitor the compliance of the conditions as laid down in this approval letter and keep the AICTE informed of the same.)

2. The Registrar, Concerned University.

3. AICTE -Western Regional Office
   2nd Floor, Industrial Assurance Building,
   V.N.Road, Opp. Church Gate Rly. Station,
   Church Gate,Mumbai-400 020

4. The Dean/Associate Director
   Faculty of Engineering
   P.R. Pote (Patil) Education &
   Welfare Trust's Group of Institutions,
   Pote Estate, Kathora Road,
   Amravati – 444 602 Maharashtra

   (For ensuring submission of Compliance Report as per AICTE requirements)

5. The Dean/Associate Director
   Faculty of /Management
   P.R. Pote (Patil) Education &
   Welfare Trust's Group of Institutions,
   Pote Estate, Kathora Road,
   Amravati – 444 602 Maharashtra

   (For ensuring submission of Compliance Report as per AICTE requirements)

6. The Director
   P.R. Pote (Patil) Education &
   Welfare Trust's Group of Institutions,
   Pote Estate, Kathora Road,
   Amravati – 444 602 Maharashtra

7. The President/Chairman
   P.R. POTE(PATIL) EDUCATION AND WELFARE TRUST,
   PRAVIN BUILDERS, CAMP ROAD,
   AMRAVATI – 444602
   Ph- 0721-2550780, 9422918525, 9370152208, 9422687901,
   F- 2550782 Email shriprpatilcollege@gmail.com

(Prof. Dev Vrat Singh)
Adviser (E&T)
15-6-2009

Annexure – II: Extension of Approval for 2016-17 (Executive Summary-7c)

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Western/1-2809730158/2016/EOA   Date: 05-Apr-2016

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashta, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2809730158
Name of the Institute	P R POTE(PATIL) EDUCATION & WELFARE TRUST'S, GROUP OF INSTITUTIONS, COLLEGE OF ENGINEERING & MANAGEMENT	Permanent Id	1-4459396
Name of the Society/Trust	P.R. POTE (PATIL) EDUCATION & WELFARE TRUST	Institute Address	KATHORA ROAD AMRAVATI, AMRAVATI, AMRAVATI, Maharashtra, 444602
Institute Type	Unaided - Private	Society/Trust Address	C/O. PRAVIN BUILDERS & DEVLOPERS, CAMP ROAD, AMRAVATI,AMRAVATI,AMRAVATI,Maharashtra,444 602

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2809730158			Course		Affiliating Body		Full/Part Time	Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration Twining Program Approval status
Program	Shift	Level										

Application Number: 1-2809730158
Note: This is a Computer generated Report No signature is required

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Printed By aeb70441

ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	ELECTRICAL POWER SYSTEMS	FULL TIME	Sant Gadge Baba Amravati University, Amravati	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	THERMAL ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	30	30	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	30	30	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	ELECTRICAL ENGINEERING	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA

MANAGEME NT	1st Shift	POS T GRA DUA TE	MASTERS IN BUSINESS ADMINISTRATI ON	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA
MCA	1st Shift	POS T GRA DUA TE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Sant Gadge Baba Amravati University, Amravati	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that P R POTE(PATIL) EDUCATION & WELFARE TRUSTS, GROUP OF INSTITUTIONS, COLLEGE OF ENGINEERING & MANAGEMENT shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. **The Regional Officer,**
   All India Council for Technical Education
   Industrial Assurance Building
   2nd Floor, Nariman Road
   Mumbai - 400 020, Maharashtra

2. **The Director Of Technical Education,**
   Maharashtra

3. **The Registrar,**
   Sant Gadge Baba Amravati University, Amravati

4. **The Principal / Director,**
   P R POTE(PATIL) EDUCATION & WELFARE TRUST'S, GROUP OF INSTITUTIONS, COLLEGE OF ENGINEERING & MANAGEMENT

   KATHORA ROAD
   AMRAVATI,
   AMRAVATI,AMRAVATI,
   Maharashtra,444602

5. **The Secretary / Chairman,**

Application Number: 1-2809730158
Note: This is a Computer generated Report No signature is required

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All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57   FAX: 011-23724183   www.aicte-India.org

P.R. POTE (PATIL) EDUCATION & WELFARE TRUST
C/O. PRAVIN BUILDERS & DEVLOPERS, CAMP ROAD, AMRAVATI,
AMRAVATI,AMRAVATI,
Maharashtra,444602

6.   Guard File(AICTE)

Application Number: 1-2809730158
Note: This is a Computer generated Report No signature is required

Printed By : ae676441

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Letter Printed On 26 April 2016

Annexure III: Approval of Principal and Faculties

Sant Gadge Baba
AMRAVATI UNIVERSITY
AMRAVATI - 444602
(M.S.)

(OFF.) : 2662206, 2662207, 2662208, 2662249, 2662358   FAX NO. 0721-2660949, 2662135   GRAM : AMUNI
bsite : www.amtuni.com

No. SGBAU/8/C- 2 0 5 /2010.
Date : 19 / 05/2010.

To,

The Vice-Chairman,
P.R.Pote (Patil) Education & Welfare Trust,
Amravati

Subject :-   Approval to the recommendations of Selection
Committee for the post of Principal.

Reference:- 1. Your letter No.PRPEWT/APP/61/10, Dated 16/04/2010.

Sir,

The proposal submitted by you vide above referred letter alongwith the report of the Selection Committee for the post of Principal was considered by the Hon'ble Vice-Chancellor in accordance with the provisions of the statute No.2/2001, Direction No. 9/2000, Direction No. 1/2000, Rule No.3/2000, A.I.C.T.E. Notification and Direction No. 19/2006.

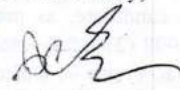In this connection, it is to inform you that, the Hon'ble Vice-Chancellor is pleased to approve the reccomendations of the selection committee recommending the name of **Dr. Mrs. S.D.Wakde** for the post of **Principal** at P.R.Pote (Patil) Edu. & Welf. Trust's, Group of Institutes, College of Engineering & Management Amravati. from the date of her joining.

Yours faithfully,

Dy.Registrar (Coll.)
Sant Gadge Baba
Amravati University,
Amravati

Copy to :-

1. Dr. Mrs. S.D.Wakde, P.R.Pote (Patil) Edu. & Welf. Trust's, Group of Institutes, College of Engineering & Management Amravati.
2. Controller of Examination, Sant Gadge Baba Amravati University.
3. Finance & Accounts Officer, Sant Gadge Baba Amravati University.
4. Dy. Registrar (Acad.), Sant Gadge Baba Amravati University.
5. Dy. Regisrar (B.C. Cell), Sant Gadge Baba Amravati University.
6. Asstt. Registrar (Admn.), Sant Gadge Baba Amravati University.
7. Asstt. Regisrar (Conf.), Sant Gadge Baba Amravati University.
8. Director (N.S.S.), Sant Gadge Baba Amravati University.
9. Director (Physical Education), Sant Gadge Baba Amravati University.

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SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

No. SGBAU/8/C- 1889/2010
Dated : 12/10/2010.

To,
The Principal,
P.R. Pote(Patil Education & Welfare Trust's Group of
Institutions, College of Engineering &
Management, Pote Estate,
Kathora Road,
Amravati.

Subject   :-   **Approval to the recommendations of Selection Committee for the
post of Lecturer & Assistant Professor**

Reference :-   Your letter No. PRPCM/Approval/102/10, dated 20/09/2010.

Sir ,

The proposal submitted by you vide above letter alongwith the report of the Selection Committee for the post of **Lecturer & Assistant Professor** in the subject mentioned in column No. 5 of the following table was considered by the Hon'ble Vice-Chancellor in accordance with the provisions of the Direction No. 1/2000 , Direction No. 19/2006. Rule No. 3/2000 & A.I.C.T.E. Notification No.F.No.1-65/CD/NEC/98-99, dated May 3,2000.

In this connection, it is to inform you that, the Hon'ble Vice-Chancellor is pleased to approve the recommendations of the Selection Committee as mentioned below in Column No. 6.

It is to inform you that, in case the post is reserved for Backward Class Category, the Principal should obtain the Caste Validity Certificate of the competent authority, before issuing the appointment order to the candidate, as prescribed in Govt. Resolution No. (1) एसटीसी-१३९९/प्र.क्र.-२ /का.-१० Dated 9th September,1999 (2)एसटीसी-१०९९/प्र.क्र.-१४ /का.-१०, Dated 16th August ,2000 & Govt. Resolution No. एसबीसी-१२-२०००/२५२/प्र.क्र.-१ /इमाव.-५, Dated 25.1.2000.

TABLE

Sr. No	Name of the Candidate	Category of		Subject	Decision of the Hon'ble Vice-Chancellor
		Post	Candidate		
1	2	3	4	5	6
01.	Mr. A.W. Mahore	Open	Open	Mechanical Engg. (Asst. Pofessor)	Recommendations approved for the session 2010-2011 and onwards Subject to the condition that to obtain Ph.D. degree within a period of 7 years from the date of appointment as Asstt. Prof.
02.	Mr. R.D. Ghongade	Open	Open	Electroncs & Telecom. Engg. (Asst. Pofessor)	Recommendations approved for the session 2010-2011 and onwards Subject to the condition that to obtain Ph.D. degree within a period of 7 years from the date of appointment as Asstt. Prof.
03.	Mr. H.R.Deshmukh	Open	Open	Computer Science & Engg. (Asst. Pofessor)	Recommendations approved for the session 2010-2011 and onwards Subject to the condition that to obtain Ph.D. degree within a period of 7 years from the date of appointment as Asstt. Prof.
04.	Mr. N.R. Thakare	Open	Open	Physics (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
05.	Ku. N.A. Kalambe	Open	OBC	Chemistry (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.

06.	Mr. G.B. Malviya	Open	Open	Mathematics (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
07.	Mr. V.B. Gawande	Open	Open	Mechanical (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
08.	Ku. S.R. Bhagwat	Open	Open	Mechanical (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
09.	Ku. S.S. Dandge	SC	SC	Mechanical (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
10.	Mr. G.D. Dalvi	Open	Open	Electroncs & Telecom. Engg. (Lecturer)	Recommendations approved for the session 2010-2011 and onwards.
11.	Mr. V.B. Gadicha	Open	Open	Computer Science & Engg. (Lecturer)	Recommendations approve' for the session 2010-20.. and onwards.

Yours faithfully,

(Dr.A.D.Chavan),
Dy. Registrar (Coll.)
**Sant Gadge Baba
Amravati University,
Amravati**

Copy to :-
1. All above concerned Teachers.
3. Dy.Registrar (B.C.Cell.), Sant Gadge Baba Amravati University,Amravati

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

No. SGBAU/8/C-2343/2011
Dated : 9 / 12 / 2011.

To,

     The Principal,
     College of Engineering & Management,
     Kathora Road, Amravati.

     Subject   :-   Approval to the recommendations of Selection Committee for the
                       post of Assoc. Professor & Assistant Professor.
     Reference :-   Your letter No. PRPGM/Sub.App./2011/243, dated 22 /09/2011

Sir ,

     The proposal submitted by you vide above letter alongwith the report of the Selection Committee for the post of **Assoc. Professor & Assistant Professor** in the subject mentioned in column No. 5 of the following table was considered by the Hon'ble Vice-Chancellor in accordance with the provisions of the Direction No. 42/2011, Direction No. 63/2010.

     In this connection, it is to inform you that, the Hon'ble Vice-Chancellor is pleased to approve the recommendations of the Selection Committee as mentioned below in Column No. 6.

     It is to inform you that, in case the post is reserved for Backward Class Category, the Principal should obtain the Caste Validity Certificate of the competent authority, before issuing the appointment order to the candidate, as prescribed in Govt. Resolution No. (1) एसटीसी-१३९९/प्र.क्र.-२ /का.-१० Dated 9th September,1999 (2)एसटीसी-१०९९/प्र.क्र.-१४ /का.-१०, Dated 16 August ,2000 & Govt. Resolution No. एसबीसी-१२-२०००/२५२/प्र.क्र.-१ /इमाव.-५, Dated 25.1.2000.

TABLE

Sr. No	Name of the Candidate	Caste Post	Category Candidate	Subject	Decision of the Hon'ble Vice-Chancellor
1	2	3	4	5	6
01.	Dr. R.E. Shelke	Open	Open	Mechanical Engg. (Associate Professor)	Recommendations approved for the session 2011-2012 and onwards.
02	Shri P.S. Ardak	Open	Open	Mechanical Engg. (Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
03.	Shri V.G. Gore	OBC	OBC	Mechanical Engg. (Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
04.	Shri. P.N. Pusdekar	OBC	OBC	Electronic & Tele. Engg. Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
05.	Ku. K.P. Ganorkar	Open	Open	Civil Engg. Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
06.	Shri M.K. Parve	S.C.	S.C.	Civil Engg. (Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
07.	Ku. P.P. Deshmukh	Open	Open	Computer Science (Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.
08.	Ku. S.B. Kamble	SC	SC	Computer Science (Assistant Professor)	Recommendations approved for the session 2011-2012 and onwards.

Yours faithfully,

(Dr.A.D.Chavan),
Dy. Registrar (Cell.)
Sant Gadge Baba University.
Sant Gadge Baba
Amravati University,
Amravati.
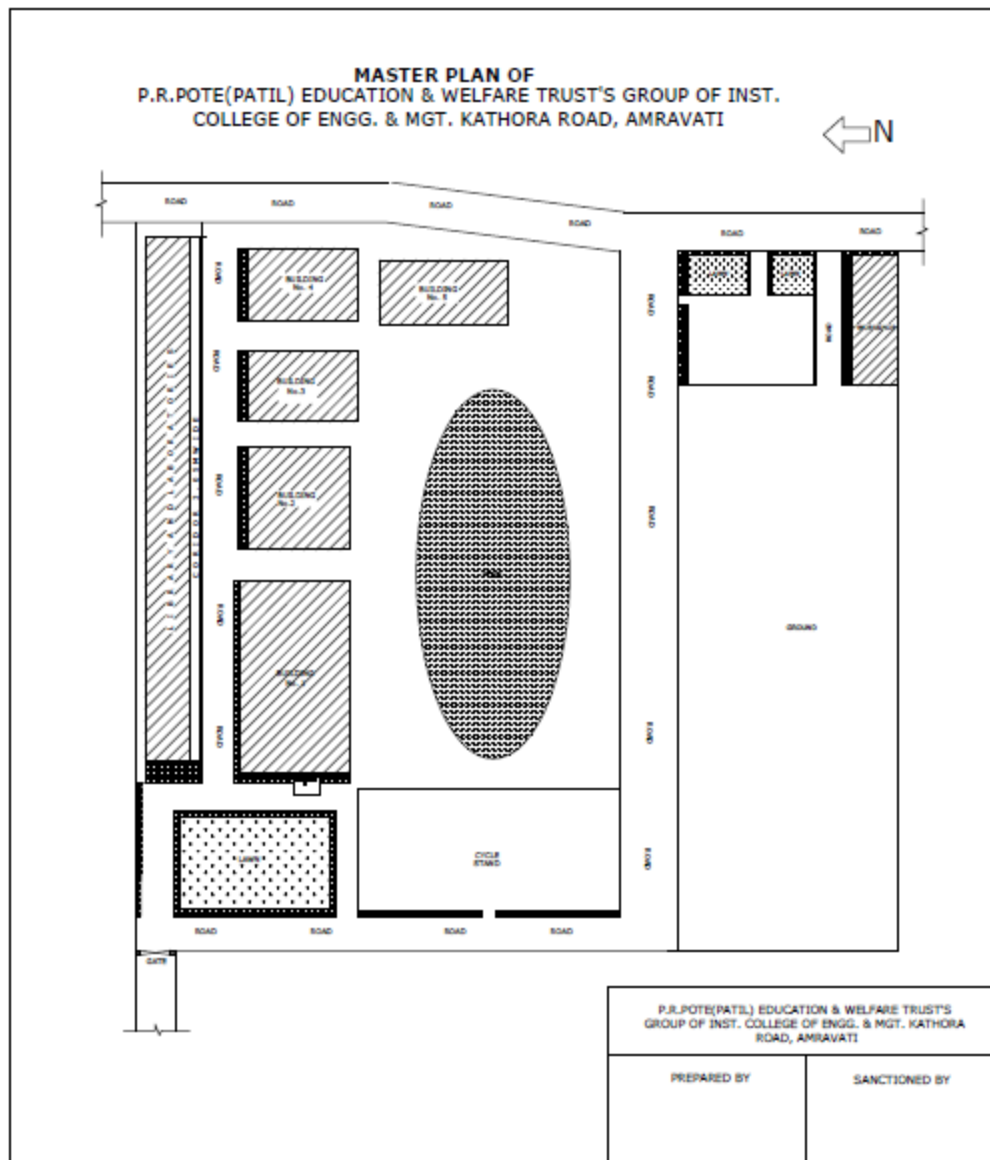
Copy to :-

     1.   All above concerned teachers.
     2.   Dy. Registrar (B.C.Cell.), Sant Gadge Baba Amravati University,Amravati

Annexure IV: Academic Flexibility (Criteria I – Aspect 1.2.3-b)

*Details of Elective Subjects offered

Sr. No.	Programme	Semester	Subject Code	Name of Subjects	Remark
1	B. E. (Computer science & Engineering)	V	5FEIT05	Introduction to Computer Networks	Free Elective
2		VI	6FEIT05	E-Commerce	Free Elective
3		VII	7KS05	Multimedia Technologies	Compulsory Elective
4		VIII	8KS04	Network Security	Compulsory Elective
5	M. E. (Computer science & Engineering)	II	2RMEF4	Network Security	Compulsory Elective
6	B.E.(Electronics & Telecommunication Engg.)	V	5FEKS05	Introduction to Computer Networks	Free Elective
7		VI	6FEKS05	DBMS/ E-Commerce	Free Elective
8		VII	7XT4	Satellite & Fiber Optic Comm.	Compulsory Elective
9		VIII	8XT4	Bio-Medical	Compulsory Elective
10		VIII	8XT4	Embedded / RTS	Compulsory Elective
11	M.E.(Electronics & Telecommunication Engg.)	I	1ENTC5	Cryptography & Network Security	Compulsory Elective
12		II	2ENTC5	Mobile computing	Compulsory Elective
13	B. E. (Mechanical Engg.)	V	5FECE05	Introduction to Earthquake	Free Elective
14		VI	6FECE05	Disaster Management	Free Elective
15		VII	7ME05	Mechatronics	Compulsory Elective
16		VII	7ME05	Tool Engg.	Compulsory Elective
17		VIII	8ME01	Automobile Engg	Compulsory Elective
18		VIII	8ME02	RAC	Compulsory Elective
19	M. E. (Mechanical Engg.)	I	1RME05	Environment Pollution Control	Compulsory Elective
20		II	2RME05	Solar Energy	Compulsory

					Elective
21		V	5FEME05	Production Management	Free Elective
22	B. E. (Electrical Engg.)	VI	6FEME05	Non-conventional Energy Resources	Free Elective
23		VII	7EP05	Computer Methods in Power System Analysis	Compulsory Elective
24		VIII	8EP05	Power Quality	Compulsory Elective

Annexure V: **Master Plan**

Annexure – VI: **Alumni association registration certificate**

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati

(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.: PRPCEM/NAAC/1493-B/2016-17

Date: 27/03/2017

Declaration by the Head of the Institution

I certify that the data included in this Self Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by institution after internal discussion and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

Place: Amravati

Date: 27/03/2017

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

www.prpcem.org

"Shri Gajanan Maharaj Prasanna"

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati

(Recognized by AICTE, New Delhi, DTE, Mumbai & Affiliated to SGBAU, Amravati)

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)
Ph. No. 0721-2530342, 44, 2530089 Fax No.: 0721- 2530341
Email: prpotepatilcollege@gmail.com

Ref.: PRPCOEM/Naac/1546/2017

Date: 27/09/2017

Certificate of Compliance

This is to certify that **P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engineering and Management, Amravati** fulfills all norms

1. Stipulated by the Affiliating University and/or
2. Regulatory Council body (such as ~~NCTE~~, AICTE, ~~MCI, DCI, BCI~~ etc.) and
3. The affiliation and recognition is valid for session 2016-17.

In case the undertaking/recognition is conditional then a detail enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC accreditation if granted, shall stand cancelled automatically once the institution loses its university Affiliation or Recognition by the Regulatory Council as the case may be.

In case the undertaking submitted by our institution found to be false then the accreditation given by NAAC is liable to be withdrawn.

The undertaking given to NAAC is also displayed on our institutional website.

Amravati

(Dr. S. D. Wakde)
Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

www.prpcem.org