

Progressive Education Society's
MODERN COLLEGE OF ENGINEERING

1186/A, Off J.M. Road, Shivajinagar,
Pune, Maharashtra
Pin- 411005.



Self-Study Report (SSR)

Submitted To

National Assessment and Accreditation Council (NAAC)

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Abbreviations

AICTE - All India Council for Technical Education

AMC - Academic Monitoring Committee

ASIC - Application Specific Integrated Circuit

B.E - Bachelor of Engineering

BOE - Board of Examiners

BOS - Board of Studies

B.Tech- Bachelor of Technology

CAM - Computer Aided Manufacturing

CAT - Common Admission Test

CDAC - Centre for Development of Advanced Computing

DELNET- Developing Library Network

EEE - Electrical and Electronic Engineering

EPF - Employees Provident Fund

FDP - Faculty Development Programme

FPGA - Field Programmable Gate Array

GATE - Graduate Aptitude Test in Engineering

ICT - Information and Communications Technology

IEDC - Innovation and Entrepreneurship Development Center

IE - Institution of Engineers

IELTS - International English Language Testing System

IEM -Industrial Engineering Management

IESA - India Electronics & Semiconductor Association

IISC - Indian Institute of Science

ILL -Inter Library Loan Service

ISO - International Organization for Standardization

ISR - Institutional Social Responsibility

ISRO - Indian Space Research Organization

IQAC - Internal Quality Assurance Cell

MOU - Memorandum of Understanding

NBA -National Board of Accreditation

NPTEL-National Programme on Technology Enhanced Learning

OOD - Officially On Duty

OPAC - Online Public Access Catalogue

R&D - Research and Development

RTOS - Real Time Operating System

RPS - Research Promotion Scheme

SLET - State Level Eligibility Test

SOC - System on Chip

UGC - University Grants Commission

UPS - Uninterrupted Power Supply



Progressive Education Society's

MODERN COLLEGE OF ENGINEERING

1186 A, SHIVAJINAGAR, OFF. J. M. ROAD, PUNE - 411 005. INDIA

■ AICTE APPROVAL NO. : 740-89-338(E)EST/99 ■ Savitribai Phule Pune University ID NO : PU/PN/Engg/135/1999

■ NAAC Accredited & Awarded Best College by Savitribai Phule Pune University

■ TEL. : 020 - 2553 3638 / 2553 0968 / 2553 3648 ■ FAX : 2553 0957

■ E-MAIL : pesmcoe@moderncoe.edu.in principal@moderncoe.edu.in ■ Website : www.moderncoe.edu.in

Prof. Dr. Gajanan R. Ekbote

M.S., M.N.A.M.S.

Chairman, Business Council,

P. E. Society, Pune-5.

Prof. Dr. (Mrs.) K. R. Joshi

M. E. Ph.D., (E & TC)

Principal

Date -25th February ,2016

To,

The Director,
National Assessment Accreditation Council,
Nagarbhavi,
Bangalore – 560072

Subject : Submission of Self Study Report – Cycle 2

Dear Sir,

This is with great pleasure; we wish to inform you that we are hosting the entire booklet of SSR, on the Institute website www.moderncoe.edu.in on 26th Feb'2016 for cycle 2.

The Institute is ready for accreditation and assessment by the peer team and help us by providing the access to fill the LOI.

You are kindly requested to accept the SSR for further processing.

Thanking you,

Yours faithfully,


26/02/16

Prof. Dr.(Mrs).K.R.Joshi

Principal

2. PREFACE

Progressive Education Society's Modern College of Engineering was established in the year 1999. The college is approved by All India Council of Technical Education(AICTE), New Delhi, Directorate of Technical Education(DTE), and Government of Maharashtra and is permanently affiliated to Savitibai Phule Pune University, complying with all the norms and standards of engineering education. It is UGC recognized under 2(f) and 12(B) and NAAC accredited. The college has been awarded as the "Best College in the Urban area" by Savitibai Phule Pune University.

Modern College of Engineering is an institute of higher education offering quality programs that integrate professional skills and career focused education empowering students to develop and achieve their personal and career potentials. Modern College of Engineering provides assistance to eligible graduates in obtaining employment and provides classes, workshops and advisory sessions that teach and guide them through the process of securing and maintaining employment. Qualified and experienced faculty appointed by the Management strives to attain excellence which is the mission of the college. The faculty members upgrade their knowledge by participating in Faculty Development Program and presenting papers at various national programs in their field of specialization.

The institute offers Undergraduate programs in Mechanical Engineering, Electronics and Telecommunication Engineering, Computer Engineering, Electrical Engineering and Information Technology Engineering, Postgraduate programs in Mechanical Engineering (Heat Power), Electrical Engineering(Control System), Electronics and Telecommunication Engineering(Signal Processing)and Computer Engineering(Computer Engineering), Masters in Computer Application(Under Engineering faculty) and Masters in Business Administrator. It offers Engineering and management programs with faculty who are motivated with a quest to promote engineering, technical and quality education.

Since its inception the college is making rapid progress under the able leadership of Dr. G.R.Ekbote, Chairman, P.E.S. It continues to shine with its specialty on the horizon of technical education. Our inspiration Principal, Dr. (Mrs.) K. R. Joshi (M.E, Ph.D) along with the dedicated team strives to ensure the accomplishment of our goals and objectives. Preparing better citizens for a better India is the core mission of the college.

3. EXECUTIVE SUMMARY

CRITERION I: CURRICULAR ASPECTS

Progressive Education Society's Modern College of Engineering was established in the year 1999. The college is approved by All India Council of Technical Education (AICTE), New Delhi, Directorate of Technical Education (DTE), and Government of Maharashtra and is permanently affiliated to Savitribai Phule Pune University (SPPU), complying with all the norms and standards of engineering education. Being a university affiliated institution; the institute follows the curriculum, norms and guidelines which is prescribed by the SPPU. Faculty and staff collect feedback (from students, parents, alumni & industry experts) and contribute the developing, updating and revising the curriculum. The Institute has network with teachers, various industries, research centers and University for effective implementation of curriculum. The academic planning committee continuously plans and monitors improvement in the quality of curriculum delivery throughout the year. The college offers core and electives subjects prescribed by the affiliating University. The Institute arranges Certification courses, value-added and enrichment programmes from time to time to ensure holistic development, capability building of students, thus encouraging higher studies and employability.

CRITERION II: TEACHING-LEARNING AND EVALUATION

Institution ensures wide publicity to the admission process through prospectus with all essential information in Institutional websites and National and Regional Newspaper.

Admission Process is governed by DTE MAHARASHTRA. 80% of admission carried out by government quota and 20% by Management for both UG and PG. Institute provides dynamic learning environment with updated curriculum taught by expert faculties. The Institute has structured mechanism to review the admission process and student profiles. Effective plan of teaching at the beginning of every semester ensures the efficient teaching environment. Syllabus completion and complete academic record is maintained and conveyed to students at the end of every month. More emphasis is given to practical module, experiential learning, soft skill and applied knowledge. Interactive learning method through discussion, practical, and hands on experience to create an overall climate conducive to learning is followed.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

The institute has four recognized research centers under the affiliation of Savitribai Phule Pune University (SPPU), with an objective to promote and encourage the research and development activities. The committee is formed by Principal of the Institution along with one member from each department. The members are dedicated towards creating and strengthening partnerships with industry and other significant Institutions/organizations to result maximum research outcomes. This committee periodically monitors the research or projects done by the UG and PG students and also conducts reviews quarterly. This review panel also generates evaluation report of Ph.D. scholars. The Institute encourages the staff and students for research right from the undergraduate programme. Faculties and students are encouraged to participate in Technical Seminars, Workshops, National and International Conferences and publish papers. The Institute takes numerous initiatives for awareness and promotions of research spirit in the student. The active participation of faculties and students in research shows the energetic environment of our Institute which leads to continuous development of the society.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

Institute is endowed with excellent physical infrastructural facilities to support the teaching-learning process. The campus is spread over 10.47 acres of land, providing adequate facilities for all Academic, Administrative and Examination related activities. Every classroom is well equipped with learning aids, internet connections etc. Central Computing facility, Seminar Halls, Central Library is accessible to all departments. Audio-visual aids like LCD, OHP, language lab, AV laboratory, and technology enabled learning spaces, central auditorium, tutorial spaces, laboratories, specialized facilities and equipment for teaching, learning and research etc. are available with the departments. Institute has a well equipped workshop. To ensure physical and mental fitness of the students and staff, gymnasium with adequate modern equipment has been catered. The central library, with an area of 1118 sq mts and a seating capacity of 300 students, is well outfitted with e-resources, sufficient number of books, magazines, journals, etc. Separate Boy's & Girls's hostel facility is also available in the institute.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The institute has more than 3200 students from varied field and background. To manage this large number, the institute has a very strong & effective student support system. Various committees are formed as well as faculties are

available to support and help the students in academic as well as personal front. In line with the objective of Higher Education Policy of the nation, the institution provides education to the students of all caste, creed, religion and financial backgrounds. The institute also offers scholarship to the economically backward students. The needy students can also avail the installment facility to pay their fees. The T&P Cell invites various companies for campus recruitment. It also extends its activities in helping students for placements as well as helps in career guidance. The students are motivated timely to participate in co-curricular and extracurricular activities. They are also encouraged to participate in various national and international programmes and activities. The SC/ST and differently abled students are benefitted by various facilities made available for them. The Institute also carries out different activities under the alumni cell to promote the interaction of the students with alumni to gain experienced learning and encourage entrepreneurship. The institute also carries out social support by organizing Blood Donation Camps, Orphanage Visits, Tree plantation & Nurturing, PUC Camps, etc.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

The philosophy of the Institute is to “**Be knowledge Incarnate**”. The society aims to promote education with skill based training and so empowering students for success. The Management of our Institute is assisted by the Chairman and the Secretary of the parent society, Principal, HODs and the faculties. The parent body continuously encourages the use of latest technology by re-building, upgrading of laboratories, fostering innovative pedagogy, thereby living the philosophy: progressive and modern. The Management is committed to provide quality education to meet the current local and national needs. It ensures that the best of the staff, adequate infrastructure and equipments etc are made available to the Institutes. The members of Management are active and take keen interest in the development of the Institute. Their association with the Institute through Governing Body, Local Management Committee, Purchase Committee academic and other committees has always proved to be supportive. The Secretary and Joint Secretary of the Parent Trust are also nominated as coordinators for the smooth functioning of the Institute. The Institute is well represented in the management through Principal being a life member of the P.E. Society. All this is possible due to the vision and leadership provided by the Management.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

The Institute has always believed in innovation through technology, creativity and collaboration. Hence the two best practices contribute towards the enhancement of the quality.

Academic planning and auditing for academics improvement: The goal of this practice is to plan and monitor teaching learning process. Academic planning committee actively participates in all the activities from students' registration

till the end of the term. The activity concluded with the improvement in the attendance and overall results.

Life skill management training sessions: The goal of this practice is to train the students and faculties not only for academics but to enhance their life skills. Training sessions about skill development, personality development, stress management, and yoga meditation are conducted regularly for students and faculties to improve their ability to deal effectively with various demands and challenges.

SWOC ANALYSIS

Strength

- NAAC accredited.
- Regularly conducted student centric programs through different student associations and/or the Institute.
- Awarded as “Best College” by SPPU under the category Professional College in Urban Area.
- The Institute is centrally located.
- The infrastructure of the Institute is very apt for quality teaching learning process.
- Laboratories are well equipped with state of the art instruments, trainers, software’s and computing facilities.
- College motivates faculties for higher educations.
- Topics beyond the syllabus are covered by the faculties and Industry experts.
- The Management always supports the development of new ideas to encourage innovation and organizational development and support financially for quality of education.
- Faculties take additional remedial classes for learning of academically weak students.
- College has an active Entrepreneurship Development Cell, which encourages students who desire to grow as entrepreneur.

Weakness

- Funds constraints being a Self financed institution.
- Limited international linkages or collaborations.
- Faculties have limited industrial experience and consultancy exposure.

Opportunity

- Being centrally located, Industry experts are available for enhancement of skills, updating and upgrading of knowledge of the faculties and students.

- Undertaking industry based and industry related projects by UG and PG students to improve the quality of projects, thus increasing opportunity for placements.
- Pune being educational and IT/ Engineering industry hub, therefore, more opportunities for industry interaction and job opportunities to students.
- Scope for interdisciplinary research.

Challenges

- The competition has increased because of many institutes coming up.
- Students being widely from rural background, hence lack in communication skills. They require great effort to develop communication skills and personality development which is a challenge.
- Changing technology and industrial requirements has developed a need for enhancing employability skills in students for which extra efforts are needed.

4. PROFILE OF THE INSTITUTION

1. Name and Address of the College:

Name:	Progressive Education Society's , Modern College of Engineering	
Address:	1186 A, off J.M. Road, Shivajinagar, Pune – 411 005	
City: Pune	Pin:411005	State:Maharashtra
Website:	www.moderncoe.edu.in	

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal	Prof. Dr. (Mrs.) K.R. Joshi	O:(020) 25533638	9011070917	25530957	principal@moderncoe.edu.in
VicePrincipal	Prof. Dr.(Mrs.)N.R. Kulkarni	O:(020) 25533638	9922711306	25530957	hodelect@moderncoe.edu.in
VicePrincipal	Prof. Dr. (Mrs.) S.A.Itkar	O:(020) 25533638	9822447228	25530957	hodcomp@moderncoe.edu.in
Steering Committee Coordinator	Prof.Dr.(Mrs.)M. V. Arjunwadkar	O:(020) 25533638	9960611275	25530957	iqac@moderncoe.edu.in

3. Status of the Institution:

Affiliated College

4. Type of Institution:

a. By Gender -

Co-education

b. By Shift -

Regular and Second shift

5. It is a recognized minority institution?

No

6. Sources of funding:

Self-financing

7. a. Date of establishment of the college:

02/07/1999

b. University to which the college is affiliated

Savitribai Phule Pune University

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i.2(f)	10/09/2010	The college is declared fit to receive Central Government grants from other sources even if it does not receive grants from UGC due to paucity of funds as decided by the commission at the meeting held on 4 th May 2010
ii.12(B)		

(Certificate of recognition u/s 2(f) and 12(B) of the UGC Act is enclosed)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Recognition/ Approval details
i.	Mechanical Engineering	02/07/1999	Permanent Affiliation (2007)	740-89-338(E)/ET/99
		30/06/2008	Approved 2015	740-89-338(E)/ET/99
		10/05/2012	Approved 2015	Western/1-710034462/2012/EOA
ii.	Electronics and Telecommunication Engineering	02/07/1999	Permanent Affiliation (2007)	740-89-338(E)/ET/99
		26/06/2006	Approved 2015	740-89-338(E)/ET/99
		30/06/2008	Approved 2015	740-89-338(E)/ET/99
iii.	Computer Engineering	02/07/1999	Permanent Affiliation (2007)	740-89-338(E)/ET/99
		04/06/2014	Approved 2015	Western/1-2013053962/2014/EOA
iv.	Electrical Engineering	14/06/2002	Permanent Affiliation (2009)	740-89-338(E)/ET/99
		01/09/2011	Approved 2015	Western/1-445253402/2011/EOA
v.	Information Technology Engineering	26/06/2006	Approved 2015	740-89-338(E)/ET/99
		01/09/2011	Approved 2015	Western/1-445253402/2011/EOA
vi.	M.E. Mechanical Engg. (Heat Power)	30/06/2008	Approved 2015	740-89-338(E)/ET/99
vii.	M.E. Electrical Engg. (Control System)	30/06/2008	Approved 2015	740-89-338(E)/ET/99
viii.	M.E. E&TC Engg. (Signal Processing)	20/08/2009	Approved 2014	740-89-338(E)/ET/99
ix.	M.E. Computer Engg. (Computer Engineering)	01/09/2011	Approved 2015	Western/1-445253402/2011/EOA
x.	Masters in Computer Application	30/04/2003	Permanent	740-89-338(E)/ET/99
		26/06/2004	Affiliation	740-89-338(E)/ET/99

			(2011)	
		10/05/2012	Approved 2015	Western/1-710034462/2012/EOA
xi.	Masters in Business Administrator	28/09/2004	Approved 2015	740-89-338(E)/ET/99
		23/08/2010	Approved 2015	Western Region, Maharashtra/1-4779181/2010/EOA

(The Latest recognition/approval letter is enclosed)

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 Casa College with Potential for Excellence (CPE)?

Yes ☐ No ☒

- b. for its performance by any other governmental agency?

Yes ☐ No ☒

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

Location*	Urban
Campus area in sq.mts.	10.47 Acres
Built up area in sq.mts.	23512 Sq. Mtr.

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

11. Facilities available on the campus

• Auditorium/seminar complex with infrastructural facilities	☒
• Sports facilities	
▪ playground	☒
▪ swimming pool	--
▪ gymnasium	☒
• Hostel	
▪ Boys' hostel	☒
i. Number of hostels	1
ii. Number of inmates	20

	iii. Facilities (mention available facilities)	--
	▪ Girls' hostel	☒
	i. Number of hostels	1
	ii. Number of inmates	40
	iii. Facilities (mention available facilities)	--
	▪ Working women's hostel	--
	i. Number of inmates	--
	ii. Facilities (mention available facilities)	--
	• Residential facilities for teaching and non-teaching staff (given numbers available—cadre wise)	--
	• Cafeteria	☒
	• Health centre	☒
	First aid, Inpatient, Outpatient, Emergency care facility, Ambulance	
	Health centre staff	
	▪ Qualified doctor Fulltime ☒ Part-time ☐	
	▪ Qualified Nurse Fulltime ☒ Part-time ☐	
	• Facilities like banking, post office	☒
	• Transport facilities to cater to the needs of students and staff	--
	• Animal house	--
	• Biological waste disposal	☒
	• Generator or other facility for management/regulation of electricity and voltage	☒
	• Waste water management	☒
	• Water harvesting	--

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 2014-15
1	Under-Graduate	Computer Engineering	4 Yrs.	12th Pass	English	60	61
		Computer Engineering (2nd Shift)	4 Yrs.			60	39
		Electrical Engineering	4 Yrs.			60	54
		Electrical Engineering (2nd Shift)	4 Yrs.			60	47

		Electronics & Telecommunication Engineering	4 Yrs.			120	100
		Information Technology Engineering	4 Yrs.			60	55
		Information Technology Engineering (2nd Shift)	4 Yrs.			60	38
		Mechanical Engineering	4 Yrs.			120	124
		Mechanical Engineering (2nd Shift)	4 Yrs.			60	49
2	Post-Graduate	M.E. (Heat Power) Mechanical Engineering	2 Yrs.	Graduation	English	18	16
		M.E.(Control System) Electrical Engineering	2 Yrs.			18	18
		M.E. (Signal Processing) Electronics & Telecommunication Engineering	2 Yrs.			18	13
		M.E. (Computers) Computer Engineering	2 Yrs.			18	18
		MCA	3 Yrs.			60	36
		MCA(2nd Shift)	3 Yrs.			60	8
		MBA	2 Yrs.			120	120
3	Ph.D	Mechanical Engineering		Post Graduation	English		
		Electrical Engineering					
		Electronics and Telecommunication engineering					
		Management					

13. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many? Including Ph.D

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

Yes ☒ No ☐ Number Including Ph.D

15. List the departments:

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
AnyOther (Specify)	Mechanical Engineering	√	√	√
	Electronics & Telecommunication Engineering	√	√	√
	Computer Engineering	√	√	
	Electrical Engineering	√	√	√
	Information Technology Engineering	√	--	--
	Master of Business Administration.	--	√	√
	Master of Computer Application.	--	√	--

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

- a. ~~annual system~~ ----
- b. semester system 11
- c. ~~trimester system~~ ----

17. Number of Programmes with

- a. Choice Based Credit System 6
- b. ~~Inter/Multidisciplinary Approach~~
- c. ~~Any other (specify and provide details)~~

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 2015-16

Positions	Teachingfaculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctionedbythe UGC/University/ StateGovernmentRecruited	1	9	3	12	35	80				
Yettorecruit	15		33		30					

Sanctioned by the Management/ society or other authorized bodies Recruited	0	0	0	0	36	53	19	17	24	15
Yettorecruit	15		33		00					

21. Qualifications of the teaching staff: 2015-16

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanentteachers							
D.Sc./D.Litt.	Nil						
Ph.D.	1	9		2		3	16
M.Phil.							
PG			3	10	35	77	125
Temporaryteachers							
Ph.D.					1	2	2
M.Phil.							
PG					35	51	86

22. NumberofVisitingFaculty/GuestFacultyengagedwiththeCollege.

67

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

Categories	Year2		Year3		Year4		Year4	
	Male	Female	Male	Female	Male	Female	Mal	Female
SC	44	21	55	27	44	26	53	19
ST	12	04	11	06	11	02	11	02
OBC	65	37	99	43	108	55	118	46
General	302	182	385	191	326	170	291	181
Others	46	13	48	15	50	22	46	27

24. Details on students enrollment in the college during the current academic year:2015-16

Typeofstudents	UG	PG	Ph.D.	Total
Studentsfromthesame statewherethecollegeislocated	635	188	NA	823
StudentsfromotherstatesofIndia	19	11		30
NRIsstudents	Nil			
Foreignstudents	Nil			
Total	654	199		853

25. DropoutrateinUGandPG(averageofthelasttwobatches)

UG

1%

PG

3%

26. Unit Cost of Education 2015-16

(Unitcost=totalannualrecurringexpenditure(actual)dividedbytotalnumberofstudentsenrolled)

a. Includingthesalarycomponent

Rs.

236312016

b. Excludingthesalarycomponent

Rs.

9013663

27. Doesthecollegeofferanyprogramme/sindistanceeducationmode(DEP)?

Yes

☐

No

☒

28. ProvideTeacher-studentratioforeachoftheprogramme/courseoffered

1:15

29. Isthecollege applyingfor

Accreditation:Cycle1

Cycle2

√

Cycle 3

Cycle4

☐

Re-Assessment:

☐

30. Dateofaccreditation*(applicableforCycle2,Cycle3,Cycle4andre-assessment only)

Cycle1:

27/03/2011

AccreditationOutcome/Result :

2.45 (B)

(The copyofaccreditationcertificate(s)andpeerteamreport(s)asan annexure is attached).

31. Numberof workingdaysduringthelastacademicyear:

242

32. Numberof teachingdaysduringthelastacademicyear:

158

33. Dateof establishment ofInternal Quality Assurance Cell (IQAC):

05/01/2010

34. DetailsregardingsubmissionofAnnualQualityAssuranceReports(AQAR)to NAAC.

- AQAR(i)--- 09/10/2012(2011-12) online
- AQAR (ii)--- 23/12/2013(2012-13) online
- AQAR (iii)--- 21/09/2015 (2013-14)
- AQAR (iv)--- 21/02/2016 (2014-15)

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

CRITERION I: CURRICULAR ASPECTS

1.1. Curriculum Planning and Implementation

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

Vision of the Institution

“To create a collaborative academic environment to foster professional excellence and ethical values”

Mission of the Institute -

1. To develop outstanding engineers & professionals with high ethical standards capable of creating and managing global enterprises.
2. To foster innovation and research by providing a stimulating learning environment.
3. To ensure equitable development of students of all ability levels and backgrounds.
4. To be responsive to changes in technology, socio-economic levels and environmental conditions.
5. To foster and maintain mutually beneficial partnerships with alumni and industry.

Objectives:

- To develop infrastructure appropriate for delivering quality education.
- To develop the overall personality of students who will be innovators and future leaders capable of prospering in their work environment.
- To inculcate ethical standards and make students aware of their social responsibilities.
- Promote close interaction among industry, faculty and students to enrich the learning process and enhance career opportunities.
- Encourage faculty in continuous professional growth through quality enhancement programs and research and development activities.
- Foster a healthy work environment which allows for freedom of expression and protection of the rights of all stakeholders through open channels of communication.

Mission and Vision is communicated to the students, staff and stakeholders by the following means:

- Displaying at strategic positions like notice boards, soft boards in labs and classrooms.

- Publishing in Institute brochure, placement brochure, Institute magazine, Newsletter, Academic record book let, laboratory Journals, Department Magazines, and Curriculum Booklet etc.
- For stakeholders, making available on the Institute website www.moderncoe.edu.in.

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).

- For effective implementation of the curriculum, the institute uses several methods which can aid in smooth functioning.
- The Principal and the Academic Planning committee conducts meeting with the heads of the various departments to discuss about the strategy for the successful implementation of the curriculum.
- Based on the guidelines of the Academic Calendar of Savitribai Phule Pune University (SPPU), the institution designs and implements both Institutional and Departmental Academic Calendar.
- Stock verification of laboratories, requirement of new equipments, software and maintenance of existing equipments is carried out before commencement of the new term.
- Faculty members are encouraged beforehand to impart the curriculum through modern methods such as presentation, conducting seminars, workshops and industrial visits.
- Syllabus review meetings are conducted periodically in departments by respective heads. Various issues and action plans are discussed in the meetings.
- New books and stationary required are ordered before commencement of the new term.
- Every faculty member prepares a teaching plan, showing weekly topics to be taught and plan for practical assignments.
- Maintaining Academic Record Booklet for theory and practical subjects which includes, Course Structure, Syllabus details, Teaching Plan, Session plan for practical assignments, Continuous assessment Record of the students.
- Academic Booklet is maintained containing planning and Methodology for content delivery, assessment techniques.
- Detailed course files containing Vision and Mission of the Institute, Vision and Mission of the Department, PEO's (Program Educational Objectives) of the Department, Course structure, Syllabus Course Objectives, Course Outcome, Mapping of Course Objectives with Program Outcomes, class notes, name of reference books and websites, teaching material like PPT slides, OHP transparencies etc and previous years university question papers are prepared by the faculty.

- Along with regular curriculum, workshops, seminars, industrial visits, extracurricular activities, lecturers from industry experts are arranged to update students about latest developments in their respective fields.
- Student feedback is collected on aspects of teaching-learning during each semester which helps in analyzing and improving the teaching learning process.
- At the end of every month, the monthly monitoring sheets are prepared, showing the actual number of lectures engaged by every faculty member in the month. It helps in finding the discrepancy in planned lectures and engaged lectures and action is taken accordingly.
- Syllabi of all subjects are available in the central and departmental Library and provided as per the demands by the students and teachers. They are displayed on the website of the Institute www.moderncoe.edu.in and SPPU website www.unipune.ac.in

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?

- Being a university affiliated institution; the institute follows the curriculum, norms and guidelines which is prescribed by the SPPU. Following type of support is received by teachers from the University and Institution.

Support Received from the University

- University regularly conducts Orientation programs and staff meetings on syllabus and examination reforms.
- Provides funding for minor and major research projects and QIPs every year.
- Explicit written curricula for all courses are published by the University and displayed on the website of the University.
- University sends prior notice of the change in the curricula/syllabi to the Institute.
- Schedule of the University Examinations is displayed on the website of the University in advance.
- University publishes question papers and sample question papers of the past examination.

Support Received from the Institution

- Faculty Development Programmes are arranged for the staff regularly.
- Faculties are encouraged to attend Orientation/ Refresher Courses/ Workshops/ Seminars conducted by SPPU and or other Institutions.

- The Institute provides ample text books, reference books, journals, magazines, e-resources in library.
- Professional body memberships to staff are provided.
- Teaching models, software and equipments as per new syllabus and Contents beyond syllabus, equipments for research are also provided.
- Academic Record Booklets are provided to the faculties to prepare teaching plans and to document their academic, co-curricular activities related to syllabus and beyond syllabus.
- Management Information System (MIS) software is made available for staff for automating regular student related activities.
- Project funding for UG/ PG/Ph.D, equipments, software and reference books are provided by the institution.

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.

- The Institute makes every possible attempt for effective delivery and transmission of the curriculum provided by the University. The academic planning committee continuously plans and monitors improvement in the quality of curriculum delivery throughout the year. The Institute regularly takes number of initiatives for quality improvement such as :
- The Institution appoints qualified, experienced Faculty as per the norms laid down by SPPU and AICTE to ensure effective curriculum delivery.
 - Effective use of Information and Communication Technology (ICT) for delivering the curriculum to the students. Interactive education software, open access digital libraries, and more intuitive technology facilitate new forms of interaction between students, teachers.
 - Institution provides leased line Internet connectivity to staff and students from Tata Communications and Reliance with 34 Mbps and 10 Mbps bandwidth respectively. Along with these Google Groups, Google Apps, e-Mail Communication, e-resources supplements and enriches teaching-learning process.
 - The Institute library is well equipped with text and reference Books, e-books. The internet facility and reading hall facility is available in library. The library has a vast collection of magazines, technical reports and periodicals. A large number of National and International Print/Online Journals are subscribed covering all disciplines, which are available for reference. Library has institutional membership of British Library, Jayakar Library (SPPU), Automotive Research Association of India (ARAI) and Developing Library Network (DELNET). This facility helps students and faculty to make use of the books and

journals. Library offers open access facility for P.G. and Final Year B.E. students. Book bank facility is available for economically weaker students.

- The Institute contributes substantially for facilitating curriculum by deputing teachers to participate in workshops for implementing curriculum. Faculty is motivated to organize, conduct and actively participate in the syllabus revision workshops. Suggestions from students, faculty and community are communicated to respective BOS by the faculty in the syllabus revision workshops.
- Student centered activities like technical event M-Pulse, Project Exhibitions and competitions, orientation program which covers areas like communication skills, time management, and presentation skills, building leadership skills, group dynamics, tips for interview and group discussion, cyber awareness, classroom etiquettes are organized.
- Industrial visits enable the students to comprehend emerging new trends in respective areas.
- Expert lectures from Industry/ Academia are conducted on a regular basis to familiarize the students with State-of- the-Art trends / technologies.

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?

- The Institute has tie ups with various industries, research centers and University for effective implementation of curriculum. The various interactions are as follows:
- Institute conducts Seminars, Workshops, Guest Lectures delivered by experts from industry and academic Institutions.
 - Signing of Memorandum of Understanding (MOU) with industry and Memorandum of Cooperation (MOC) with experts.
 - Actively involved in organizing various activities under The Quality Improvement Programme of Savitribai Phule Pune University.
 - Industrial visits are an integral part of the curriculum of the Institute and it is the experience that help students to gain first hand information regarding functioning of various industries. This brings a different dimension to students' learning, which they cannot gain in the classroom, this helps to bridge the gap between industry and academia.
 - Whenever any student focused activities are planned, the Institute makes an attempt to invite experts from the industries and through informal discussions their views regarding curriculum needs are considered.

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.

- Following are the contributions of the institution and/or its staff members to the development of the curriculum by the University
 - Faculty is motivated to organize, conduct and actively participate in the syllabus revision workshops.
 - Suggestions from students, faculty and community are communicated to respective BOS by the faculty in the syllabus revision workshops.
 - Faculty of the Institute is invited by respective B.O.S. to attend the syllabus revision workshops organized by Savitribai Phule Pune University.
 - Some faculty members are appointed as BOS members by SPPU university.
 - Many faculty members are appointed as Subject chairman for university examination.
 - Institute obtains the feedback from students, parents, alumni (Exit survey) on the implementation of curriculum at the respective departmental level.

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.

- No, the institution does not offer courses other than affiliating university.

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

- The institute analyses/ensures that the stated objectives of curriculum are achieved in the course of implementation. The various ways by which this is achieved are:
 - The institute through its Internal Quality Assessment Cell (IQAC) monitors and supervises the implementation of curriculum.
 - Every student is assessed by internal and external assessment tools such as, mock practical/ oral exam, class tests, tutorials, theory exams in each semester.

- Class test question paper is set as per subject objectives and outcomes mentioned in the respective subject course plan.
- Result analysis of students to understand the actual success rate of curriculum implementation.
- Regular updating of the course plan by faculty members and monitoring of the same by Academics Coordinator and the Head of the Departments.
- Taking feedback from students, alumni and industry and analyzing it for improvements in curriculum implementation.
- Identification of weak learners and conducting extra lectures, practicals and tutorials for them so that all the students come at the same platform.
- Under Vidyarthi Kalyan Manch, scheme supported by SPPU "Vishesh Margadarshan Yojana" for First year engineering students was arranged on fundamentals of Mathematics and its Applications in Engineering Field" and fundamentals of computers where college faculty gave valuable information of the same. The lectures were conducted for 2hrs daily for a week.
- Suggestions and opinions by external examiners are also considered for achieving the objectives.

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.

- With the goal of educating the students for future employability, enhancing the capabilities and overall development of the students several Skill development Certificate courses have been started.
 - The Institute offers certified training programs from IBM in various technologies such as IBM C++ Foundation course, IBM DB2, IBM Core Java training program for improved potential for employability of students.
 - Students from third year undergo training from BSNL under The Employability Enhancement Training Programme (EETP) which enables them to confidently handle live Telecom switching, transmission and IP network equipment, Understand comprehensive integration of all telecom equipment, Become industry ready as they will have the working exposure to latest industry equipments.

- Certification Courses in Solar Roof Top PV System(Implementation and Design)and Energy Audit and management are conducted for students.
- Students undergo Industrial training during summer/winter vacations.
- Students are provided support for spoken tutorials, NPTEL videos, online tutorials, courses, webinars etc.
- Efforts are being made to explore avenues by which more certificate and diploma courses initiated for the skill development of the students.

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

- Presently the Institute does not offer twinning/dual degree programmes.

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 opted by the college**
 - The college offers core and electives subjects prescribed by the affiliating University. The students are provided liberty to choose any elective as per their choice, however the students cannot move from one programme to another programme as per the rule of the Affiliating University.
- **Choice Based Credit System and range of subject options**
 - As Per the guidelines of Savitribai Phule Pune University following courses provide credit system.
 - UG credit system for first year and second year of engineering.
 - PG credit system
 - Credit system for Ph.D
- **Courses offered in modular form**
 - The Institute offers following postgraduate courses in modular form:
 1. Masters in Mechanical Engineering
 2. Masters in Electrical Engineering
 3. Masters in Electronics and Telecommunication Engineering

4. Masters in Computer Engineering.

- **Credit transfer and accumulation facility**
 - The Institute does not provide either transfer / accumulation facility of credits in any programme for the students.
- **Lateral and vertical mobility within and across programmes and courses**
 - Students have the flexibility of opting for any other branch in second year if sufficient seats are vacant.
 - As per the norms of DTE Diploma students seeking direct admission to second year can adopt the groups and subgroups of Corresponding Degree Courses for which Admissions to Direct Second Year shall be given e.g. if student has completed diploma in Information Technology, can opt for admission to Computer Engineering degree course.
- **Enrichment courses**
 - To enrich the skills of the students various activities like workshops, seminars, industrial visits, expert lectures by eminent experts from academia and industry.
 - Institute provides Industrial training from BSNL and certified training programs from IBM.
 - Certification Courses in Solar Roof Top PV System(Implementation and Design) and Energy Audit and management are conducted.
 - Technical events, Cultural fests, sports and social events are organized in the institute.

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.

- All the programmes provided by the institution are self-financed programmes and are recognized by the Savitribai Phule Pune University, Pune and AICTE, New Delhi.

The programmes provided by the Institution:

- **Under Graduate Programmes: (B.E)**
 1. Computer Engineering
 2. Mechanical Engineering
 3. Electrical Engineering
 4. Information Technology
 5. Electronics & Telecommunication

- **Post Graduate Programmes:**

1. Master in Computer Applications
2. Master in Business Administration
3. Masters in Mechanical Engineering
4. Masters in Electrical Engineering
5. Masters in Electronics and Telecommunication Engineering
6. Masters in Computer Engineering.

- **Admissions for B.E course**

The Directorate of Technical Education, Mumbai is the Competent Authority for admission to First Year Engineering. The candidates are admitted based on their score in All India JEE Main (Paper 1). The Score of JEE Main (Paper 1) and HSC Marks as per the **Government Resolution Dt. 31 Oct 2012.**

- **Curriculum:**

The college follows the curriculum designed by the Affiliating University- Savitribai Phule Pune University, Pune.

- **Fee Structure :**

The fee structure is as prescribed by Savitribai Phule Pune University and according to State government norms.

- **Teacher's Qualifications** - As per UGC/AICTE norms.

- **Salary** - As per UGC/AICTE norms.

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

- Yes, the Institute provides additional skill oriented programs like

- **Engineering Skill Development Program:**

- The Institution has tie-ups with IBM for courses beyond the University syllabus, where Students of all branches are the beneficiaries. A certified training program from IBM on three different domains is conducted for students of every year. IBM certified trainer delivers the lecture which is conducted in-house.
- Under the Employability Enhancement Training Programme (EETP) by the Bharat Sanchar Nigam Ltd. (BSNL) in association with the (AICTE), the first 10 academic rank holders of institutes have undergone this certificate training course and completed successfully. The main aim of the training programme was to incorporate employability skills as well as learn the nature of practical

work situations by getting hands-on training with live and working equipments used in the corporate sectors.

- Certification Courses in Solar Roof Top PV System (Implementation and Design) and Energy Audit and management are conducted.
- To improve practical skills of the students the Institute provides wide range of tools and equipments including software in laboratories and workshops which are appropriate to specific discipline.
- Various seminars, workshops are arranged by the Institute regularly in which students interact with industry experts from various streams. Institute also arranges various technical events, competitions, conferences and paper presentations.
- Training sessions about skill development, personality development, stress management, and yoga meditation are conducted regularly for students and faculties to improve their ability to deal effectively with various demands and challenges.
- **Industry visit**
 - Every department arranges industrial visit every year for awareness of latest development in the technology and career growth options in that specific profession.
- **Spoken English lectures**
 - Spoken English lectures are conducted in the Institute to improve fluency in English along with Personality Development skills. The students learn self-awareness, body language, telephone and e - mail Etiquette, grooming and Interview skills.

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?

- No, as the Institution is affiliated to Savitribai Phule Pune University, it does not provide flexibility of combining conventional and distance education modes.

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 programmes and Institution’s goals and objectives are integrated?

- The various efforts made by the Institute to supplement the University’s Curriculum are:

- To enrich the skills of the students various activities are organized like workshops, seminars, industrial visits, guest lectures by eminent experts from academia and industry.
- Institute provides Industrial training from BSNL and certified training programs from IBM to enhance their knowledge.
- Certification Courses in Solar Roof Top PV System (Implementation and Design) and Energy Audit and management are conducted.
- Tutorial classes for a batch of 20 students are conducted in the identified subjects in addition to the assignments.
- The students counseling and mentoring by the faculty is introduced to identify the level of students and the academic and mental support required is provided.
- The students are encouraged to take active part in technical events, paper presentations, attending seminars / workshops to improve their academic knowledge.
- Co-curricular activities are also equally encouraged to expose the students to various other institutions' students' contests in competitions and learn to move together. Encouraging students participation in NSS activities
- Institute promotes research activities for R& D cell.

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?

- Following efforts are made by the Institute to enrich and organize the curriculum to enhance the experiences of the students:
- Various departments of the Institute have established MoU's with various Industries and eminent Academic Institutes and MOCs with experts from academia and industry.
 - An excellent environment of ICT helps the students to look out for technological advancement and innovations in educational transactions.
 - Various seminars, webinars, workshops are arranged by the Institute regularly in which students interact with industry experts from various streams. Institute also arranges various technical events, competitions, project exhibition/competition, conferences and paper presentations.
 - Under the Employability Enhancement Training Programme (EETP) by the Bharat Sanchar Nigam Ltd. (BSNL) in association with the (AICTE), students undergo certificate training course this helps them in-corporate employability skills as well as learn the nature of practical work situations by getting hands-on training with live and working equipments used in the corporate sectors.

- Certification Courses in Solar Roof Top PV System (Implementation and Design) and Energy Audit and management are conducted.
- The Institution has tie-ups with IBM for courses beyond the University syllabus, where a certified training program from different domains is conducted for students of every year. IBM certified trainer delivers the lecture which is conducted in-house.
- The Entrepreneurship Development Cell (ED-Cell) of Institution, was established with the aims to foster the entrepreneurship culture among the students, to provide a platform to become an 'Entrepreneur' as an alternative career, to generate first generation Entrepreneurs and provide solution for the problems of small business management & entrepreneurs.
- Karmarvir Bhaurao Patil Kamava Ani shika Yogana (Earn and learn scheme) is organized for students whose parent's income less than 5 lakhs p.a. Selected Students are allocated work in library, departments and student section apart from their academic hours. Students are financially benefited and also appreciated.

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., into the curriculum?

➤ Following are some of the efforts made by Institute to integrate the cross cutting issues such as:

• **Gender**

- Equal opportunities are given to both male and female students. Street plays on "Respect for women in society", a session on "Youth Discrimination" are organized.
- Medical Awareness programs conducted for girl students on mental, physical health and discussion about diet.
- Girls students are encouraged to participate in the different inter and intra college activities. Final year project group also consists of atleast one girl student, wherever possible.
- The College has special women's common room with medical facilities, drinking water, bed, toilets, and yoga centre.
- Counseling centre with adequate privacy for student.
- Under Vidhyarthi Kalyan Mandal in association with Savitribai Phule Pune University many programs such Karma Vir Bhaurao Patil "Kamava Ani Shika Yogana (Earn and Learn Scheme), Vidyarathini Vyaktematva Vikas Yojana (Personality Development Program), Vishesh Margadarshan Yojana (Special Guidance Program) for First Year Engineering Students are conducted smoothly.
- Personality development program for SC/SC students and

economically backward students are also conducted

- Under IEEE- WIE (Women in Engineering) Affinity Group-Student Chapter different workshops are conducted to facilitate the development of programs and activities that promote the entry into and retention of women in engineering programs.

- **Climate Change and Environmental Education**

- Students are educated on different environmental issues. Students are encouraged to develop Eco-friendly projects for awareness of environmental issues.
- Eco-friendly activities such as Ganapati Idols making workshops, Tree plantation and watering, Smart city competition, PUC camp, construction of compost plant, Swachh Bharat Abhiyan, creation of Green zone are organized for staff as well as students.
- The National Service Scheme (NSS) is an independent service scheme for the students to develop their personality through Community services. NSS unit conducts different programs such as river cleaning, Online 'Tarunai'- Communication of Pune Police with Youth, traffic awareness program.
- To spread the knowledge of astronomy among the students, to create interest and guide students on recent technologies of telescope, Astronomy exhibition was conducted by general science department.
- Luminance is a technical event which was held exclusively for the first year students to provide an opportunity for students to exhibit new ideas and develop unique solutions for the real world problems, through working models, charts, conceptual models.
- **Human Rights:** To create awareness about Human Rights, the institute under the NSS Team conducts various activities like I-Vote Campaign, Cleaning of Surroundings, HIV /AIDS awareness program, etc.
- **ICT:** Use of Information and Communication Technology for translating the curriculum to the students. Interactive education software, open access digital libraries, open source software facilitate new forms of interaction between students, teachers and enhances the quality of education by making it more accessible. Institution provides leased line Internet connectivity to staff and students from Tata Communications and Reliance with 34 Mbps and 10 Mbps bandwidth respectively. Along with these Google Groups of students, Google Apps, e-Mail Communication, e-resources supplements and enriches teaching-learning process

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**
 - The Institute arranges value-added courses/enrichment programmes from time to time to ensure holistic development of students, as given under:
- **Moral & Ethical Values**
 - For ethical, moral and spiritual development of the students, regular sessions are arranged on Personality Development, Art of Living Workshops and interaction with leaders of Society.
 - Republic and Independence Day, Birth Anniversary of Late Savitribai Phule, Traffic parliament and electrical safety week are celebrated in the institute.
 - Students are encouraged to participate in various community development programmes. Under the aegis of IEEE-WIE the students conduct programmes to increase awareness about developments in technology, among school children in rural and urban areas.
- **Career Options**
 - To build professional personality needed in the industry, Institute offers a personality development program, to improve communication skills, to help the students in stress management, improve the presentation skills and interpersonal skills.
 - Guidance for excelling in competitive exams such as GATE/GRE/Defense Entrance Exams is also provided by conducting various seminars by experts.
 - Institute also conducts a certified training program from IBM on different domains every year. Industrial training from BSNL is provided to top ten rankers.
 - Certification Courses in Solar Roof Top PV System(Implementation and Design)Energy Audit and management.
 - To enrich the skills of the students various activities like workshops, seminars,webinars, industrial visits, guest lectures by eminent experts from academia and industry, cultural fests, sports and social events are organized by the institute.
 - Institute also conducts Orientation program for first year and direct second year students in which students are guided about the outcome of the program at beginning of academic year.

- Guidance is also provided for choosing elective subject to final year students.
- The Entrepreneurship Development Cell (ED-Cell) of Institute, has been established with the aims to foster the entrepreneurship culture among the students, provide a platform to become an 'Entrepreneur' as an alternative career, to generate first generation Entrepreneurs and provide solution for the problems of small business management & entrepreneurs.
- **Community orientation**
Various programs such as Swachh Bharat Abhiyan, Donation of Money for supporting a needy Person, and pledge for traffic rules and regulations, Tree Plantation Program, blood donation camps are regularly arranged for making students aware about responsibilities towards society and community.

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

- Institute uses feedback from different stakeholders for enriching the quality of the students beyond University curriculum.
- Following are the different types of feedback systems maintained by the institution which benefit for improvement in teaching and learning process.
 1. Student feedback
 2. Parent feedback
 3. Institutional feedback
 4. Alumni feedback
 5. Activity feedback
 6. Course feedback
 7. Program Exit surveys
- The student feedback ensures that there is a consistent review of teaching learning process within the Institute. Based on students' performance and feedback regular additional Tutorial Sessions have been introduced in number of subjects.
- During an interaction with Industry we were given a feedback about encouraging students to do more projects in areas of renewable energy, so numbers of projects were undertaken in this area.

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

- The feedback in the form of interactions, discussions and suggestions is analyzed by the constituted committee. Internal Quality Assurance Cell (IQAC) conducts Quality Audit to monitor and evaluate the quality of its enrichment programmes.
- Suggestions and Issues are also discussed with the Principal, Vice Principal and HOD's of all departments.
- Feedback is taken from Industry experts and alumni for enrichment of curriculum.

1.4. FeedbackSystem**1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

- The curriculum is designed and developed by Board of Studies, Savitribai Phule Pune University by keeping in mind the statutory guidelines from AICTE and UGC. The Institution implements the same.
- To help and formulate the syllabus ,most of faculties are invited by respective B.O.S. to attend the syllabus revision workshops organized by the University.
- Faculties participate in such workshops and make constructive suggestions.
- Many staff members are appointed as subject chairman by the University and few are appointed as BOS member.
- Institute also arranges such workshops in various disciplines on behalf of University.

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?

- The Institution takes feedback from the students, alumni and parents and gets suggestions on the curriculum. Apart from this, during revision of the curriculum university invites the representative from the Institute to put forward the view on behalf of all the stakeholders. The outcome of the feedback shared with the IQAC and accordingly proper measures are adopted for continuous development of the teaching and learning processes and curriculum enrichment.

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?)Any other relevant information regarding curricular aspects which the Institute would like to include.

- To keep pace with the changing trends of technologies and research and cater need of the technical manpower requirement at the national & international level the Institute has introduced new courses. Following programmes are introduced during last four years.

Sr. No.	Name of the Course	Year of Commencement	Intake
1.	Mechanical Engineering	2012(II nd Shift)	60
4.	Electrical Engineering	2011(II nd Shift)	60
5.	Information Technology Engineering	2011(II nd Shift)	60
4.	M.E. Computer Engineering	2011	18
5.	Masters in Computer Application	2012 (II nd Shift)	60
6.	Ph.D Research Centers for Electronics & Communication, Electrical Engineering.	2014-15	---
Research Centers for Mechanical, and Masters in Business Administration.			

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1. Student Enrollment and Profile

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

- Institution ensures wide publicity of the admission process through:
 - Prospectus with all essential information.
 - Institutional websites - www.moderncoe.edu.in
 - National and Regional Newspaper - Indian Express, Sakal, Loksatta.
 - Counseling At the time of ARC and admission by faculty
 - Career Mahotstav in association with Savitribai Phule Pune University is conducted before admission process.
 - Admission Process is governed by DTE MAHARASHTRA. Apart from this, admission committee is also formed for different programs. The Committees go through all updated instructions of DTE Maharashtra.
 - Admission awareness programme.

2.1.2. Explain in detail the criteria adopted and process of admission (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.(FE,SE,MCA,MBA,ME).

- The Admission Process is governed by DTE Maharashtra. Eligibility Criteria for different Programmes are as per the norms of DTE (Government of Maharashtra).

DTE Website Link:

<http://www.dtemaharashtra.gov.in>

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

- Percentage of marks for admission at entry level

Year	UG Programmes	Exam	Max. Marks	Min. Marks
2011-12	Computer Engineering	CET	128	70
2012-13		CET	146	79
2013-14		CET	128	69
2014-15		JEE- Composite		
2015-16		JEE- Composite		
2011-12	Mechanical Engineering	CET	159	75
2012-13		CET	128	80
2013-14		CET	182	72
2014-15		JEE- Composite		
2015-16		JEE- Composite		
2011-12	Electronics and Telecommunication Engineering	CET	132	54
2012-13		CET	122	48
2013-14		CET	118	44.5
2014-15		JEE- Composite		
2015-16		JEE- Composite		
2011-12	Electrical Engineering	CET	128	35
2012-13		CET	110	51
2013-14		CET	117	47
2014-15		JEE- Composite		
2015-16		JEE- Composite		
2011-12	Information Technology	CET		55
2012-13		CET	99	54
2013-14		CET	117	50.5
2014-15		JEE- Composite		
2015-16		JEE- Composite		

Year	PG Programmes	Exam	Max. Marks	Min. Marks
2011-12	Computer Engineering	ILT	53	51
2012-13		GATE	43	23
2013-14		GATE	346	47
2014-15		GATE	23.1	15.63
2015-16		GATE	20.76	2.51
2011-12	Heat Power	ILT	55	32
2012-13		GATE	29.33	28.42
2013-14		GATE	413	389
2014-15		GATE	404	24.4
2015-16		GATE	399	3.91
2011-12	Electronics and Telecommunicati on Engineering	ILT	56	41
2012-13		GATE	31	29.67
2013-14		GATE	301	29
2014-15		GATE	22.27	18.21
2015-16		GATE	6.23	6.23
2011-12	Control System	ILT	61	18.67
2012-13		ILT	60	40
2013-14		GATE	45	30
2014-15		GATE	20.88	8.59
2015-16		GATE	12.47	8.2
2011-12	Master of Business Administration	CET	107	61
2012-13		CET	105	55
2013-14		CET	128	38
2014-15		CET	88.42	3.56
2015-16		CET	71	12.8
2011-12	Master of Computer Application	CET	135	32
2012-13		CET	132	75
2013-14		CET	128	70
2014-15		CET	105.75	34
2015-16		CET	95	44.7

2.1.4. Is there any 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?

- Yes, The Institute has structured mechanism to review the admission process and student profiles.
- Admission process is completely transparent for all courses, the complete details for the same is available on Institute website i.e., www.moderncoe.edu.in
 - Daily admission and cancellation status is updated online on the Director of Technical Education portal.
 - At Institute level admission and cancellation status is available during working hours.
 - Institute has MIS Software for Admission and Registration.
 - Direct Second year Engineering admissions are as per DTE norms.
 - Admissions for post graduate courses in Engineering are as per DTE & University norms, and the status is available at the Institute.
 - Scholarships and free ship as per government norms.
 - Result Analysis of students (efforts for slow learner)
 - Academic Monitoring
 - Counseling of FE-Students to reduce dropout rate after examination (for Pass/Fail Student)

This mechanism helps us to streamline the admission process every year.

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?

- By State Government Installment facility, Concession in fee, EBC, TAWS based on merit.
- Institute follows the DTE norms for admission; following are the details of seat reserved for category students

Sr.No	Category of Reservation	Reservation
1.	Scheduled Castes and Schedule caste converts to Buddhism(SC)	13.0 %
2.	Schedule Tribes(ST)	7.0 %
3.	Vimukta Jati(VJ)/De notified Tribes(DT) (NT-A)	3.0 %
4.	Nomadic Tribes 1(NT-B)	2.5 %
5.	Nomadic Tribes 2(NT-C)	3.5 %
6.	Nomadic Tribes 3(NT-D)	2.0 %
7.	Other Backward Classes(OBC)	19.0 %
Total		50%

2.1.6. Provide the following details for various programmes 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.

➤ Details for various programmes offered by the institution

UG Programme	Academic Year	No of applications (A)	No of students admitted(B)	Demand Ratio
Computer Engineering	2015-2016	Admission process in the state is governed by DTE; The Institute follows the rules, regulation & guidelines set by DTE.	122	1
	2014-2015		100	0.83
	2013-2014		59	0.98
	2012-2013		63	1
	2011-2012		64	1
Mechanical Engineering	2015-2016		179	0.99
	2014-2015		173	0.96
	2013-2014		180	1
	2012-2013		184	1
	2011-2012		127	1
Electronics & Telecommunication Engineering	2015-2016		117	0.98
	2014-2015		100	0.83
	2013-2014		121	1
	2012-2013		115	0.96

	2011-2012		122	1
Electrical Engineering	2015-2016		118	0.98
	2014-2015		101	0.85
	2013-2014		113	0.94
	2012-2013		120	1
	2011-2012		60	0.5
Information Technology	2015-2016		119	0.99
	2014-2015		93	0.78
	2013-2014		103	0.86
	2012-2013		104	0.87
PG Programme (ME/MCA/MBA)	Academic Year:	No of applications (A)	No of students admitted(B)	Demand Ratio
M.E. (Computer Engineering)	2015-2016	Admission process in the state is governed by DTE; The Institute follows the rules, regulation & guidelines set by DTE.	9	0.5
	2014-2015		18	1
	2013-2014		18	1
	2012-2013		18	1
	2011-2012		18	1
M.E. (Mechanical Engineering)	2015-2016		5	0.28
	2014-2015		16	0.89
	2013-2014		14	0.78
	2012-2013		18	1
	2011-2012		18	1
M.E. (Electronics & Telecommunication)	2015-2016		9	0.5
	2014-2015		13	0.72
	2013-2014		17	0.94
	2012-2013		18	1
	2011-2012		18	1
M.E. (Electrical Engineering)	2015-2016		13	0.72
	2014-2015		18	1
	2013-2014		18	1
	2012-2013		18	1

	2011-2012	18	1
Master of Business Administration	2015-2016	87	0.73
	2014-2015	120	1
	2013-2014	120	1
	2012-2013	118	0.98
	2011-2012	120	1
Master of Computer Application	2015-2016	76	0.63
	2014-2015	44	0.33
	2013-2014	64	0.53
	2012-2013	115	0.96
	2011-2012	60	1

➤ **Reasons for increase / decrease in admission:**

- Due to short-term job oriented courses.
- Due to Global Employment scenario.

➤ **Action Initiated for Improvement:**

- More emphasis is given on Training and Placement.
- Focus is given on emerging tools and technology and management.

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?

- Catering to the needs of differently-abled students and ensure adherence to government policies:
- Institution provides special attention in order to help in skill building.
 - Height adjustable chairs, Magnifying Software, Head phones are available in the institute.
 - Facility of Lift, Ramp and Rail for support available.
 - Scholarship and reservation as per government norms.
 - Special toilet facility.
 - As per university norms 15 minutes more time is provided to physically disabled students in Theory/Practical examination.(arrangements are made for such students.)

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.

- Yes, Institute assesses the student's needs in terms of knowledge and skills.
 - **Orientation Programme** Conducted just before the commencement of the programme, where teacher student interaction takes place to understand the needs as well as skills of students by different streams of faculty as per the student interest area.
 - **Interaction Programme** is arranged for newly admitted students along with the faculty and senior students in order to familiarize with the environment (men and machines) to cope with the program.
 - **Library Orientation Programme** to improve knowledge and skills.
 - The institute identifies students from vernacular background and arranges regular practice sessions using the language lab to help improve speaking and understanding skills in English.
 - Additional classes for improving Mathematical skills for lateral entry students (Direct Second Year Admission) are conducted every year.

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?

- The following strategies adopted by the institution to bridge the knowledge gap of the enrolled students:
 - After the completion of each unit, assignments containing a range of easy to advance problems are given to the students, based on the student's ability to solve; slow and advanced learners are identified.
 - The students are assessed based on various exams like Multiple Choice Questions (MCQ), Open Book Test, Mock-online examination, Mid Term Test and assignments.
 - Students are encouraged to demonstrate the different topics and advised to take term work of the subject. The demonstration level identifies slow and advanced learners.
 - Various quizzes, charts, industrial visits, cut-model demonstrations and simulations helps for better understanding in all students.

- Provisions for tutorials for the students.
 - Extra coaching facility to students is made available through tutorials. Separate tutorial sessions are provided in the time table.
 - Activities during tutorials are like batch demonstration, presentation and group discussion.
- Students are provided the facility of personality development, communication improvement, mind concentration programs like spiritual and yoga etc. Educational CD/VCD are also arranged to augment the knowledge of the students in the seminar halls.
- The personal interaction between teacher and student through question answer session, one can identify slow and fast learners. The faculty members interact more with slow learners.
- Advanced learners are encouraged to write technical papers, participate in technical events, to carry out literature survey which broadens their research area and industry interaction.
- Personal recognition is made by issuing the congratulatory letters from the Authorities and medals to toppers.
- Provision for mentoring the students.
 - The Guardian Faculty Member (GFM) system is available. The teacher discusses with the students and his/her parents (if required) on periodic basis about the student's overall academic performance, problems faced and further actions to be taken to improve technical skills.
 - Counseling of the students is done through counselors.
 - GFM meetings are conducted to interact with students to discuss Academic, personal and other issues for each class/division.
 - Hostel Committee is also formed to mentoring the students.
 - Technical Events for students
 - a) Guest lectures, Seminars, Webinars, Workshops and Other Technical Activity like Web Development, Project Exhibition are conducted in semester to bridge the knowledge gap.
 - b) M-Pulse, a techno-management event, is an Annual College Fest Organized consisting of various technical events for students in all the streams, which gives students a platform to demonstrate their technical and managerial skills.
- Various Club Activities like Art Club, Reading Club, App- Club, Skill development club, Robotics club to enhance the students' technical skills.

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

- The Institute sensitizes its staff and students on various issues in following manner.
 - Women Grievance cell and Student Grievance cell are formed to solve the issues of women staffs as well as students.
 - Gender Discrimination doesn't take place in any academic programs or activity for both staff as well as students.
 - Activities like yoga, stress management etc are also conducted to create the positive and refreshing environments for staff as well as students.

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

- For the overall development of advanced learners' institution is moving one step forward and creating knowledge pool for students.
 - After the completion of each unit, assignments containing a range of easy to complex problems are given to the students, based on the student's ability to solve; the slow and advanced learners are identified.
 - Advance learners are tutored to secure rank in the university.
 - Placement training programmes are arranged for students who show good promise.
 - Advanced learners are encouraged to enroll for additional certification courses, write technical papers, participate in technical events, to carry out literature survey which broadens their knowledge base. Personal recognition is made by issuing the congratulatory letters and medals to toppers.
 - Various Events are organized by institute for student to choose the Career in different directions: like Guidelines for GATE preparations, GRE as well as Civil Services.

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)?

- System is devised by the Institute to record the attendance and performance of students. Each class is allotted a class teacher who is working with a team of GFM's for maintaining the periodic record regarding the attendance and performance.

The information about attendance and academic performance is displayed on the notice board. In case of defaulter students the record is communicated to the parents by Post or by Electronic media.

Examination Result Analysis is used to:

- Slow learners - Extra lectures/Practical conducted by departments.
- Physically Challenged Students - GFM mentors and motivates them to perform well in their studies.
- Students from the economically weaker sections- Books are issued through book-bank facility.
- Fee can be paid in installments by the students who are economically weaker.
- Separate coaching from university experts is arranged for weaker students to reduce dropout rate.
- Institute provides Earn and learn scheme for economically weaker students.

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.)

- Institution plans and organize the teaching, learning and evaluation schedules
 - An academic calendar is prepared at the Institute level taking into consideration the academic and administrative activities, extra and co-curricular activities. Every department prepares its individual academic calendar, Institute specifying the schedule of events for each term with reference to University academic calendar.
 - Teaching Plan is prepared by the faculty for the respective subject before the term commencement. The faculty specifies the scope and objective of each subject. The University syllabus for every subject is divided into units and the duration is planned by the faculty during the entire term. The assignment list and the session plan are also prepared for the practical subject by the faculty. Academic monitoring committee keeps the track of the teaching plan and its implementation.
 - Evaluation - The performance of the students are evaluated continuously based on mid-term tests, mock oral / practical, and

term work assessment through Open-book test, MCQs, Assignments etc. The Final year projects are evaluated by the internal guides and industry external experts for the progress and efforts put in by the students.

- Every term internal test schedule is prepared by the faculty and it is effectively implemented.
- Continuous assessment is done by concerned faculty for all subjects.
- Every faculty members maintain Academic record booklet with teaching plan, curriculum details, attendance, outcomes etc.
- To incorporate current trends of technology and for collaborative learning various guest lectures, workshops, seminars, webinars, online tutorials are conducted.

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

- The IQAC contributes in improving teaching learning process.
 - Academic Record Booklet is maintained for per subject per semester for monitoring attendance of students and their performance.
 - Academic Record Booklet is evaluated by academic planning committee through internal academic audit.
 - Life management skills lecture series is regularly conducted to motivate staff and students.
 - Various clubs are formed for self learning and motivation.
 - Usage of ICT is promoted.
 - Use of SMS, e-mails, group mails used for effective communication is encouraged.
 - Online tutorials are introduced.
 - Seminars, workshops, Webinars were arranged in departments under Quality Improvement Programs.
 - Industrial visits and Lectures of Industry experts are organized in a periodic manner as a part of curriculum.

2.3.3. How learning is 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?

- More emphasis is given to practical module, experiential learning, soft skill, applied knowledge. Interactive learning through discussion, practical, and hands on experience to create an overall climate conducive to learning is followed. Facilities of computer labs,

computer centers, research labs, language labs and library with facilities of Online and print journals are provided. Counseling and guidance also enhance learning activities.

- **Interactive learning** is to facilitate the absorption of knowledge to students. Institute deliver virtual learning experience for students through social media with urban computing by using Google Apps like sharing file, Data, Notice, Study Material, assignments through Google groups, Google Drive, What's App.
- **Collaborative learning** takes place by assigning task to group of students by faculty members during tutorials, practical for theoretical as well as practical subjects, Group discussion. In addition to that Institute also encourages students for research, and the same is monitored during seminars and Project Meet. Institute/Department Newsletter, NPTEL Online courses, Magazine gives a platform for Collaborative learning. Tech-Calendar, language apps are also the outcome of collaborative learning.
- **Independent learning** methods followed by Institute are Self-study in Library, Internet facility, Reading Books and Magazines, Assignments and Mid-Term Examination.

A good example of all these three types of learning being incorporated in the college can be seen in the multi-disciplinary activities like Techno-Management Event- MPULSE, Robocon, and BAJA, Activity clubs, student associations etc. where students interact, collaborate and demonstrate skills.

2.3.4. How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- To nurture the critical thinking, creativity of students:
 - The Institute encourages students to focus on the problem statement. Discussion sessions are conducted for students and they are properly guided by faculty members and industry experts to transform their ideas in their field of interest.
 - Scientific temperament is supported by discussion, analysis of specific problem in research area of students with experienced faculty member of that domain during the projects, publications, presentation with co-relation to students' course structure in academic subjects.
 - Extracurricular activities are also planned to encourage critical thinking and scientific temperament in students.

- Smart city Project by ED-cell.(Innovative ideas), Internship in industry as a part of curriculum.

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

- Each Department has various softwares that are made available to the students.
- Use of software provides a facility of virtual lab for study of advance topics which are not included in the syllabus.

Following technologies and facilities are available and used by faculty member for effective teaching:

- Labs are well equipped with required instruments, Hardware, software both licensed and open source software.
- Staff and students are exposed to current trends and technology through In-house Quality Improvement Programmes and those conducted by other organizations.
- Classrooms and Seminar Halls are well equipped with Projectors, PC, Audio facility, white Boards and they are used for Webinars, NPTEL Video Lectures, and Presentation etc.
- E-learning resources like IEEE Digital library, Science Direct for journals and e-books are also available for faculty and students.
- ARAI Library Membership Subscription for faculty.

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

- **Students:**
 - Every Year the Institute organizes a techno management Programme , M-pulse, at national level which consists of completely technical activities in the multiple disciplines of engineering and management like project competition, paper presentation, poster presentation, quizzes, GD, Programming , App development, robo-racing, check your GK etc. which gives our students a platform to hone their multi-disciplinary technical skills.

- Apart from this students are also encouraged to participate in various National/ International Conferences/Competition, Financial support is also provided for the same.
- Project Exhibitions are arranged every year at department level, where Industry experts are invited to evaluate the projects. Accordingly prizes are also distributed to encourage the students.
- Experts from Industry/ Academics are invited to deliver lectures and provide hands-on experience in upcoming technologies.
- Various training courses, workshops are also arranged like IBM Programming courses, SCRUM and Six sigma for project management etc.
- The Institute has various clubs like, Robocon, BAJA, and departmental student associations to give students a platform to present their ideas.

➤ **Faculty:**

- Institute Organizes Quality Improvement Programmes for faculty members to help them upgrade their knowledge..
- Institute provides e-access of various reputed journals like IEEE, Science Direct etc, to faculty members.
- The Institute encourages faculty members to participate in National/International Conferences, workshops to be in sync with recent trends in Technology and Management.

2.3.7. Detail (process and the number of students benefitted) on the academic, personal and psychosocial support and guidance services (professional counseling/mentoring/academic advice) provided to students?

- We have Guardian Faculty Member (GFM) for each class. The teacher discusses with the students and his/her parents (if required) on periodic basis about the student's overall academic performance, problems faced and further actions to be taken. Counseling of the students is done through in-house counselor.

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

- Following are the details of innovative teaching approaches adopted:
- Students are encouraged to do internship during Vacations. This creates Industry exposure and builds the Employability skills in students.

- Online MCQ Test before University Online Examination has ensured better performance.
- Video Clippings are used to show the internal working of machines and workplaces to supplement the teaching of theoretical subjects.
- Industrial Visits are organized to interact with industry.
- Skill development programme by industry experts.

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

- Library resources to augment the teaching- learning process:
 - Library provides open access facility to students for utilizing the learning resources.
 - Facilities of e-library and Journals help students in doing referencing for their projects, seminars, paper presentation and publications etc.
 - In addition to this, the books related to arts, inspiration are also available to encourage the students to develop a wide variety of interests.
 - OPAC (Online Public Access Catalog) facility for searching e-books and e-journals.
 - An additional initiative to provide students with a book-bank facility has been put in place, using additional resources provided in the library.

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.

- Challenges in completing the curriculum and solutions to overcome the same:
 - Scheduling Extra and Co-curricular Activities and Training and placement programs during the semester poses a challenge in completing the curriculum as per initial teaching plans.
 - Also the process of direct admission to the second year in various courses is invariably delayed every year.
 - To counter these problems, Extra lectures/Practicals are conducted, Question Banks are given for Practice, Video Lectures and Presentations are used to complete the syllabus in satisfactory manner.

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

- Quality of teaching learning is monitored and evaluated by institution in following manner:
 - Term begins with address by Principal to all staff members. As a part of continuous quality implementation all rules and regulations/process are discussed in detail to be adopted by faculty members.
 - The Institutional Academic calendar is prepared with reference to the University circulars. Every Department implements the Academic Calendar and the same is monitored.
 - All components of academic input are delivered regularly.
 - The head of every department reviews the teaching-learning process with assignments, tutorials given by faculty members and gives suggestions to the staff members if required.
 - Evaluation and assessment of students is done continuously. Result analysis of term subjects also is used as an indicator to give additional inputs where required.
 - In each semester, feedback is taken by departments about teaching quality of teachers from students.
 - Seminars and QIP for faculty members.
 - A procedure of peer review is followed to give constructive feedback to Faculty members to help improve teaching and presentation quality.
 - The term concludes with a staff meeting with Principal in which the academics and activities are reviewed along with a discussion on the proposed activities of the next term.

2.4. Teacher Quality**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.**

- Details of strategies adopted by the college in planning and management to meet the changing requirements of the curriculum:
 - Every year, recruitment is done to fill the vacant positions. Recruitment is a transparent process as it is advertised in newspapers and followed by SPPU selection process.
 - During recruitment the Institute appoints qualified personnel to develop a cultured and multi-faceted environment in the Institute.
 - To meet the changing requirements of curriculum, the Institute arranges QIP, FDP, and seminars for faculty members.

- Institute also supports staff to attend such seminar, faculty development programme, conferences/workshops.

Type	Highest Qualification	Professor		Associate Professor		Assistant Professor		L ec	Total
		Male	Female	Male	Female	Male	Female		
Permanent	D.Sc./D.Lit								229
	PhD	<u>1</u>	<u>9</u>		<u>2</u>		<u>3</u>	<u>3</u>	
	M. Phil								
	PG			<u>3</u>	<u>10</u>	<u>36</u>	<u>82</u>	<u>80</u>	
Temporary	NIL								
Part Time	NIL								

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.

- To cope with growing demands of Technology, Institute Conducts
 - Technical Workshops, Conferences and Seminars.
 - Expert Lecture by Industry Experts.
 - Interaction with Industry for student projects and visits.
 - Faculty development Programme.

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

- Staff development programme

a) Nomination to staff development programmes.

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	104
HRD programmes	162

Orientation programmes	158
Staff training conducted by the university	44
Staff training conducted by other institutions	168
Summer/winter schools, workshops, etc.	123

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- **Teaching learning methods/ approaches**

The Institute always looks forward to implement the qualitative teaching learning approaches. To do this, the faculty staffs are encouraged to participate in the workshops, Seminars, Symposiums, Research Summits. The institute also conducts STTP (Short Term Training Program), FDPs (Faculty Development Programs), Conferences and workshops under the aegis of ISTE (Indian Society for Technical Education), IEEE, CSI, TEQIP (Technical Education Quality Improvement Programme), SPPU (SavitribaiPhule Pune University), industrial sponsorship and many other councils.

- **Handling new curriculum**

The institute has formed a committee of faculties who actively participate in the syllabus revision Forum and workshops conducted by SPPU. They contribute for the fruitful changes in the syllabus adhering to the technology. The Institute also focuses to inculcate the faculties in the international conferences like Transformations in Engineering Education to bring engineering educators from across the world to share best practices for preparing engineering graduates who will be leaders in addressing global challenges.

- **Content/ knowledge management**

The institute has varied and rich library of all the prestigious technical books. The e-library has the subscription of IEEE and Science Direct digital library for the applied and fundamental research. Both the students and faculties take the advantage of NPTEL video lecture for their curriculum.

The institute's annual Magazine "Karmanya" constitutes the technical matter, poetry, thoughts and excerpts from good speeches. It also gives excellent platform to share the views of students and faculties on various topics.

- **Selection, development and use of enrichment materials**

To bridge the gap between industry and academia, industrial expert lectures are conducted regularly. The periodic industrial visits also help to get the insight into industrial approach of solving the problems.

- **Assessment**

To check the performance of students, seminars, tests, tutorials, assignments, oral examinations are conducted regularly. Also proper emphasis is given on the weak learners.

To assess the performance of faculties, the feedback is collected from students twice in a semester and accordingly, the necessary steps are taken. Analyzing the result of each subject for whole class also helps to assess the performance of teaching skill of the faculty.

- **Cross cutting issues**

Entrepreneurship skill development workshops are conducted to help faculties and students who want to start their own businesses in near future.

The students at the institute are sensitized about the social issues. They are also encouraged to participate in the student parliament.

The institute takes active part in the campaigns like tree plantation, street play to aware people regarding various social, environmental issues.

- **AudioVisualAids/multimedia**

The use of modern teaching aids such as presentations, LCD projectors, OHPs, laptops and NPTEL video lectures helps to deliver the lecture effectively. Classrooms in the Institute are equipped with these teaching aids for effective teaching learning process.

- **OER's (Open Educational Resources)**

The use of Open Educational Resources like e-libraries, software is promoted. The students are also advised to undergo the MOOC Courses (Massive Open Online Course) as the co-curricular activity to bring excellence in education.

- **Teaching learning material development, selection and use**

The college central library and department library are well equipped with text books, reference books, journals and magazines. Besides this, the college also has access to e-resources like IEEE, NPTEL etc., which helps to streamline updated learning resources.

c)Details regarding deputation of our faculty

Sr. o.	No. of faculty	Percentage
1	Invited as resource persons in Workshops/Seminars/ Conferences organized by external professional agencies	9%
2	Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	86%
3	Presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies	48%

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

- Policies such as providing research grants, study leave etc. motivates teaching and non-teaching staff.
 - The faculty is encouraged to participate in the Refresher Courses, Orientation Programs, and Induction programs, Conferences, Workshops and Seminars. The necessary expenses are borne by the Institute.
 - Awards are given every year for best administrators, teachers and non-teaching staff (other staff) etc. at the P.E.Society level.
 - Each Department of the Institute organizes different Faculty Development Programme from time to time, such as National level seminars or conferences, District level seminars or conferences, symposia, orientation programmes on behalf of the University of Pune. The Faculty members of different department are encouraged to participate in different National/International level seminars or conferences organized by various Institutes. They are also encouraged to publish or present the research papers in various conferences for which financial assistance is provided
 - Faculty Members are encouraged to participate in various research programme.
 - All the Departments are actively engaged in research projects to enhance skill and knowledge to serve the society in general and for academic excellence in particular, by inspiring faculties to pursue M.E and Ph.D. degrees. The major research projects of the faculty and students are funded by the agencies, namely, Board of College

and University Development (BCUD), ISRO, and industries in and around Pune.

- Institute's website highlights the achievements, expertise, laboratory facilities and future plans to attract active researchers as faculty members and research fellows.
- Sponsorships are provided for attending National and International seminars /workshops and training programs which facilitates the interaction with experts.

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

➤ Awards/Recognitions received by the faculty (last 4 years)

Sr. No.	Name of Staff	Nature of Award	Department	Year
1	Dr. Mrs. R. S. Kamathe	Best Teacher Award by Progressive Education Society.	E&TC	2015
2	Dr. Mrs. N. R. Kulkarni	Reviewer for IEEE International Conference on Industrial Instrumentation and Control (ICIC-2015)	Electrical	2015
3	Dr. Mrs. N. R. Kulkarni	Reviewer for International Conference on Information Processing , International IEEE sponsored(16-19 December 2015)	Electrical	2015
4	Dr. Mrs. N. R. Kulkarni	Reviewer of ICESA-2015,Pune International IEEE sponsored(30October to 1 st November 2015)	Electrical	2015

5	Prof. H.N. Deshpande	Second prize for research paper presented in Recent Advances in Mechanical Engineering” (ICRAME-2015) Feb, 2015	Mechanical	2015
6.	Prof. A.R.Pathak	Reviewer of Elsevier International journal Applied Mathematics and Computation Chapter	IT	2015
7	Dr.S. Bhandwalkar	Ph.D.	MBA	2015
8	Prof.Mrs.S. D. Joshi	Sanction of Amount Rs. 1,70,000/- of BCUD research proposal. (2014-15 to 2015-16)	Electrical	2014
9	Prof.Mrs.D. S. Khadtare	Sanction of Amount Rs. 2,00,000/- of BCUD research proposal .(2014-15 to 2015-16)	Electrical	2014
10	Prof. K.R. Kapdani	Innovation in increasing mileage of two wheeler – appreciated by SakalNews paper and recognized by Automobile Research lab, RIT, Islampur Feb 2014	Mechanical	2014
11	Prof. A.R.Pathak	Best Paper Award in CPGCON(2014)	IT	2014
12	Prof. S.D.Joshi	Best Paper award in IPGCON (2014)	IT	2014
13	Dr. Mrs.K. Srinivas	CMA(2014-15)	MBA	2014

14	Dr. D.Choudaki	Ph.D.(2014-15)	MBA	2014
15	Dr. Mrs. S.Budhkar	Ph.D.(2014-15)	MCA	2014
16	Dr. Mrs. A. J. Vyavahare	Best paper presentation in International conference organized by Dr. D. Y. Patil Institute, Pune	E&TC	2013
17	Ms. D.V.Gore	Certificate Of Achievement (Coach Award) In ACM International Collegiate Programming Contest In The Event Kanpur-Site 2013 At IIT Kanpur	Computer	2013
18	Ms. D.V.Gore	Best Teacher Award By Progressive Education Society For The Year 2013-2014.	Computer	2013
19	Mrs. S. A. Itkar	As a resource person in ISTE approved STTP in Pune University 2013-14.	Computer	2013
20	Ms.P.V.Ambekar	Certificate Of CCNA, CCNP with A grade.	Computer	2013
21	Ms. Y.D.Fatangare	Best Paper award in CPGCON-2013	IT	2013
22	Prof.P. Shintre	MPM (2013-14)	MBA	2013
23	Dr. Mrs. M. Arjunwadkar	Awarded PhD in 2013-14.	MCA	2013
24	Prof.P.Jadhav	Best Teacher award conferred by P.E Society, Pune -5. (2012-13)	Electrical	2012

25	Prof.Mrs.S. D. Joshi	Best Student Welfare Officer for last three Academic Years.(July 2012 till date)	Electrical	2012
26	Mrs. M.K. Kulkarni	Published article on “Good to Great Experience” on the Mission 10x Impact portal of Wipro technologies.	Computer	2012
27	Prof. Mr. B. Phulpagar	Reviewer of International Conference on Intelligent Systems and Signal Processing under ISSP 2013 organized by G H Patel COE&T	Computer	2012
28	Dr. Mrs. K.R Joshi	Special appreciation for contribution as woman in Engg, by IEEE Pune, Section and Institute of Engineers, Pune, on World Telecom Day	E&TC	2011
29	Prof.Dr.N.R.Kulkarni	Best Teacher award conferred by P.E Society , Pune -5. (2011-12)	Electrical	2011
30	Dr. V.Sangvikar	Awarded PhD in 2011-12	MCA	2011

Institute Contribution

- Encouragement for Research/ Experimentation.
- Involvement in Technical/ Non-Technical Activity.
- Facility for Research like Library, E-Resources are provided by the Institution.

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?

- Institution practices a specific evaluation pattern which is as follows:
 - The feedback from the students is collected every semester.
 - Students' feedback is analyzed by the HODs and discussed with the respective faculty. If improvement is necessary, the HOD discusses and suggests the possible solutions and measures to ensure effective teaching. Respective HODs provides the report to the Principal of the Institute.

Teachers Evaluation form (Sample)				Class:		
Semester : I or II				Year		
S r. N o.	Evaluation Questions	Initials of Staff Member				
		Subject Taught				
1	Do you understand the lectures delivered by the teacher?					
	A) Satisfactorily B) Well C) Thoroughly					
2	How about the speed at which the teacher speaks while delivering the lectures?					
	A) Low B) Adequate C) Fast					
3	Are you able to hear the lecture, especially at the back benches?					
	A) No B) Need to listen C) Yes					
4	How do you rate the communication skills (language etc) of the teacher?					
	A) below average B) Average C) Good					
5	Do the lectures build enthusiasm in the subject?					
	A) No B) Fewer Times C) Yes many times					
6	Is the flow of each lecture fluent?					
	A) Rarely B) Often C) Always					
7	Does the teacher give you home assignments?					
	A) Never B) Rarely C) Always					
8	Does the teacher correct the home assignments given to you?					
	A) Never B) Rarely C) Always					
9	Does the teacher discuss the practical applications?					
	A) Never B) Rarely C) Always					
10	Does the teacher like questions in the class?					
	A) Never B) Rarely C) Always					
11	Is the teacher able to answer your questions and solve your difficulties?					
	A) Rarely B) Occasionally C) Always					
12	Does the teacher give sympathetic attitude towards problems of the students?					
	A) No B) Occasionally C) Yes					

1 3	Is the teacher punctual to the class?					
	A) No B) occasionally punctual C) Punctual					
1 4	The teacher supposes to engage 100% lectures as per the time table. What is his %?					
	A) Less than 50 % B) 50 – 90% C) More than 90 %					
1 5	How is the attitude and behavior of the teacher towards students within and outside class?					
	A) Vindictive / threatening B) indifferent C) Helpful / friendly					
1 6	Comment on black board presentation of the teacher.					
	A) Poor B) Understandable C) Excellent					
1 7	Any specific suggestions about the teacher?					
	Kindly write down your suggestions on back side.					

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?

- Departments hold an induction program for the fresh students to familiarize them with the details of the programme and evaluation methods which are communicated to the students at the commencement of the term.

Stakeholders of the institution especially students and faculty are aware of the evaluation processes through

- Institute Website
- Programme Prospectus which contains rules and regulations
- Induction program
- Circulars on notice boards
- Verbal interaction and Counseling

Modern College of Engineering , Pune -5																	
Continuous Assessment Record																	
Class :															Batch :		
Year :															Semester I / II :		
Subject :															Subject In-charge:		
Roll No	Name	(Marks out of 6 / Expt.) Total Marks should not exceed 60 Distribution of marks: Attendance (2 marks) Involvement in doing expt. (2 marks) Understanding of Topic (2 marks)										Test Result (10)	Theory Attendance (10)	General Behavior (Sincerity/Obedience/Politeness) (10)	Journal (10)	Total (100)	
		Expt No. 1	Expt No. 2	Expt No. 3	Expt No. 4	Expt No. 5	Expt No. 6	Expt No. 7	Expt No. 8	Expt No. 9	Expt No. 10						
Signature HOD		Subject In-Charge															

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?

- Major evaluation reforms of the University that the institution has adopted are:
 - Institute is affiliated to the SPPU. It abides by the rules of University.
 - University has formed a grievance cell. The photocopy of answer book is made available to the student on demand.
 - At the Institute level the effective implementation is ensured of these reforms through the student section.
 - In-Sem Examination Pattern is initiated by the University for Undergraduate (TE / BE) and Post Graduate (ME / MCA / MBA) Students, Institute follow the same as per SPPU norms.
 - Apart from this Online Examination pattern is also initiated by the SPPU for Undergraduate (FE/SE) and Post Graduate(MBA) students. Institute conducts the same as per SPPU guidelines.
 - SPPU also introduced the Credit Systems for FE and Post Graduate Courses.
 - The reforms initiated by the Institute are online mock examination (Objective types) at the end of every unit with the help of Google

Apps, and Mock Practical Examination, tutorial assignments before the conclusion of the Semester.

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?

- Following are the evaluation reforms of the university initiated by the institution:
 - Students have the right for re-totaling, revaluation and verification through photocopy of answer sheets as per University norms.
 - Results of the Internal Examinations are displayed on the notice board and the answer sheets are shown to the students. In case of discrepancies corrective action is taken.
 - The complaints and grievances of the students are noted. On certain valid grounds the internal re-examinations are arranged for the students.
 - In-Sem Examination as well as Online Examination is conducted by the Institute as per the Schedule given by SPPU.
 - For Proper Conduction of these examinations every department has an Exam Coordinator.
 - Institute has Back-up facility in case of Power Interruption during Online Examination.
 - A Central Exam Committee is also formed to monitor University Examination.
 - All Practical/Oral Examinations are evaluated with Internal and External examiners.

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

- The Assessment procedure of Institute is transparent and abides by the guidelines of SPPU. Distribution of marks is based on:
 - Attendance
 - Involvement in performing experiment
 - Understanding of Topic
 - Test Result
 - Theory Attendance
 - General Behavior (Sincerity/ Obedience/ Politeness)
 - Journal/Practical

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

- Significant improvements
- As Institute is affiliated to Savitribai Phule Pune University, it is governed by the rules and regulations of SPPU. As per rules, Oral/Practical exams are conducted by the Institution.
- Focus is given on communication skills of students, their research work, understanding of subjects/topic, Seminars and Project Internal Assessment.
- Term works marks and its evaluation is shown to students during the semester, which is based on their complete performance like behavior, attendance, communication skill etc.

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?

- Graduate Attributes
- As of now SPPU have not Communicated graduate attributes, Institute has adopted globally accepted Graduate Attributes for higher Education.
- To ensure the attainment of these by students, institute is trying to focus on Complex Engineering Subjects, Programming Skills, learning Skills to analyze the depth of engineering complex problems.

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

- The institution follows mechanisms for redressal of grievances with reference to evaluation both at the college and University level.
- Results of the Internal Examinations are displayed on the notice board and the answer sheets are shown to the students. In case of discrepancies right action is taken.
- The complaints and grievances of the students are noted. The Institute has a committee to evaluate/ monitor the same; accordingly the communication is done by them to the university.
- Students have the right for revaluation and verification through photocopy of answer sheets as per University norms.

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?**

- The Institution has clearly states the learning outcomes in Vision and Mission of Institution. The students and staff are made aware of these by following sources:
 - Mission and Vision of Institution is clearly displayed on website and in the college premises. It is also printed in College Annual Magazine “Karmanya”.
 - Every Programme/Department has the Programme Educational Objectives(PEO), on the basis of core of programme.
 - Programme outcomes (PO) are purely related with PEO of the Programme having level as high, medium, low and none.
 - Course Outcomes (CO) are mapped with Programme Outcomes.
 - Gap bridging methods are adopted for mapping with Programme Outcomes, if required.

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

- The progress and performance monitoring of students is done in specific way.
 - System is devised by the Institute for keeping the attendance and performance records of students.
 - Each class is allotted a class teacher who is working with a team of GFM's for maintaining the periodic record regarding the attendance and performance.
 - The information about attendance and performance is displayed on the notice board. In case of defaulter students the record is communicated to the parents by Post, Telephonic call and SMS
 - The Performance is monitored through Result analysis in every year:

Year - 2014-2015					
Sr. No.	Branch	Distinction	Students admitted	Students passed	Passing percentage
1	Mechanical	94	132	115	87.12
2	E&TC	107	143	133	93.01
3	Electrical	37	66	57	86.36
4	Computer	43	68	62	91.18
5	IT	40	58	53	91.38
6	MCA	72	138	112	81.16
7	MBA	81	109	103	94.5
Year - 2013-2014					
1	Mechanical	108	136	130	95.59
2	E&TC	108	132	124	93.94
3	Electrical	51	69	63	91.3
4	Computer	42	61	57	93.44
5	IT	34	53	47	88.68
6	MCA	31	55	51	92.72
7	MBA	48	113	86	76.11
Year - 2012-2013					
1	Mechanical	118	139	125	89.93
2	E&TC	84	118	102	86.44
3	Electrical	67	83	77	92.77
4	Computer	53	72	65	90.27
5	IT	53	70	65	92.86
6	MCA	43	45	44	97.78
7	MBA	66	112	100	89.29
Year -2011-2012					
1	Mechanical	90	123	112	91.06
2	E&TC	95	120	112	93.33
3	Electrical	45	66	55	84.62
4	Computer	50	68	55	80.88
5	IT	45	74	65	87.84
6	MCA	25	57	42	73.68
7	MBA	45	115	80	69.57

2.6.3. How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

➤ **Strategies:**

- **Teaching Strategy:** Teaching strategy is based on Vision, Mission, PEO, PSO followed by the Programme outcomes co-related with course outcome, accordingly course file, lab manual are prepared by every faculty and the content is delivered to the students.

- **Learning Strategy:** Apart from Classroom/ Practical learning, various Seminars, Guest lectures, workshops, Industrial visits are conducted by the Institution to support the programme curriculum.
- **Assessment Strategy:** Assessment Strategy is based on both qualitative and quantitative inputs such as midterm, Mock Online Result, Attendance in Theory/Practical, Performance in Tutorials
 - Submission
 - Class participation
 - Behavior
 - Involvement in Practical
 - Involvement in Curricular , Co-curricular and Extra Curricular Activity

2.6.4. What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- Institute promotes the students to participate and conduct the following type of activities:
- Competitive and non-competitive cultural functions at University level, National level in order to inculcate stage courage.
- Activity like 'Traffic Awareness Program to make the students and the society aware about traffic rules, avoiding accidents, importance of wearing helmet etc in Pune city.
- Cultural functions at Institute level which helps the students to host event management.
- Blood donation camp by students as a social activity.
- Planting trees to understand importance of environment.
- Celebrating Republic day and Independence Day, to inculcate patriotic feeling towards Nation, apart from this Teachers Day, Guru-Purnima, Engineers day are celebrated.
- PUC camp, Voter registration camp, donation for orphans etc is also conducted under NSS Activity.
- ED Cell Activity like Skill development, Life Management, stress management, E-Resource utilization etc is also conducted periodically.
- Encouragement to socially and educationally backward classes through various remedial measures to groom up their overall personality.
- Training and placement department guides students regarding placement strategy and accordingly tests are conducted for placement preparation.

- Institute has MoUs with esteemed organizations to support the research and innovation.
- Institute encourage students to participate in project completion like BAJA, Robocon etc., Apart from this every department also conduct project competition to encourage students, to explore their research ideas which is evaluated by Industry experts.

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?

- Collection of Data
 - Feedback from Stakeholders
 - Feedback from Students
 - Feedback from Alumni
- Analyze Data
 - Every department of Institute uses various measuring tools like Assignments, test, quizzes, MCQs, seminars to assess the attainment of learning outcomes , accordingly action is taken to improve the performance of slow learners.
 - To analyze performance of the students for the same, feedback is taken from Stakeholders, Students and Alumni.

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

- Monitoring and ensuring the achievement of learning outcomes:
 - Placement Report
 - Students for Higher Studies
 - University Examinations
 - Practice Test
 - Involvement in Curricular, Co-curricular and Extra Curricular Activity
 - Awards/Achievement
 - Competitive Examinations

2.6.7. Do 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.

- Yes, Institution and Individual teachers evaluate the outcomes on following basis:
 - Mid Test Result
 - Mock Online Result
 - Attendance in Theory/Practical
 - Performance in Tutorials
 - Submission
 - Behavior
 - Involvement in Practical
 - Involvement in Curricular, Co-curricular and Extra Curricular Activity
 - Awards/Achievements
 - Tutorials, Assignment, Open-book test, Case Studies.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1. Promotion of Research

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

- The institute has four recognized research centers under the affiliation of Savitribai Phule Pune University (SPPU). These research centers are:
- Mechanical Engineering.
 - Electrical Engineering.
 - Electronics and Telecommunication Engineering.
 - Management.

Presently 21 research scholars and 312 PG candidates are registered.

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.

- Yes, Institute has a statutory body of Research and Development (R&D) at central level. The committee comprises of Principal along with one member from each department. The committee is dedicated towards creating and strengthening partnerships with industry and other significant institutions/organizations to result maximum research outcomes.

Following are the faculty members of the R & D cell:

Sr.no.	Name of the faculty	Designation
1	Dr.(Mrs.) K.R.Joshi	Chairperson
2	Dr.(Mrs.) N.R.Kulkarni	Member
3	Dr.(Mrs.) S.A.Itkar	Member
4	Dr.(Mrs.) K.Shriniwas	Member
5	Dr.(Mrs.) V.Sangvikar	Member
6	Dr.(Mrs.) R.S.Kamathe	Member
7	Mrs. S.D.Deshpande	Member
8	Mr. S.Bhosale	Member
9	Dr.(Mrs.) D.Chaudaki	Member
10	Dr.(Mrs.) S. S. Budhkar	Member
11	Dr.B.D.Phulpagar	Member
12	Mrs.S.N.Chaphekar	Member
13	Mr.H.N.Deshpande	Member
14	Mrs. V.G.Dixit	Member
15	Dr.(Mrs.) A.J.Vyavahare	Member Secretary

- This committee monitors the research and projects done by the UG and PG students and reviews evaluation report of Ph.D. scholar.
- **Few recommendations made by the committee for implementation and their impact.**
 - PG and doctoral candidates to publish at least two research papers in reputed research journals showing positive impact on improving the quality of research.
 - Students should seek out interdisciplinary experiences, such as courses at the interfaces of traditional disciplines that address basic research problems.
 - Graduate students should explore ways to broaden their experience by gaining “requisite” knowledge in one or more fields in addition to their primary field.
 - Number of faculty members pursuing Ph.D. has increased.
 - Technical clubs are developed like - Robotics, BAJA, Go-carting, Effie-cycle etc.
 - ICT is implemented by conducting Webinars, online spoken tutorials, edX and NPTEL courses.
 - Research lab is developed department wise to facilitate the research work.

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- **Yes**
- Timely availability or release of resources- **Yes**
- Adequate infrastructure and human resources- **Yes**
- Time-off, reduced teaching load, special leave etc. to teachers- **Yes**
- Support in terms of technology and information needs- **Yes**
- Facilitate timely auditing and submission of utilization- **Yes**
- Certificate to the funding authorities- **Yes**

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

- The Institute encourages the students for research right from the UG programme. Majority of students participate in Technical Seminars, Workshops, National and International Conferences and publish papers.
- Institute has Professional students' chapters and Departmental Students associations under which different activities are conducted.
- Students from UG & PG participate in the university level project competitions like 'AVISHKAR' which is organized by SPPU.

- All departments organized project exhibition and competition in the Institute in association with professional bodies like IEEE, IET, CSI, IETE, SAE, ASME etc. to motivate students.
- The Institute motivates and assists the students to participate in the national /international competitions like BAJA, SUPRA, ROBOCON, Go-carting, Efficycle where the students are supposed to design and fabricate various types of vehicles.
- Technical inter collegiate competitions are conducted like circuit design, black coding, Smart Villa, Robo race etc.

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

- Research projects are encouraged by sharing and demonstrating different ideas through conducting various workshops/seminars by faculties.
- The faculty encourages students to implement research projects, Inter-disciplinary projects and collaborative/sponsored projects to enhance collaboration between Institute and Industry.
- PG/ Ph.D. students' Collaborative projects are in progress in association with COEP, Bharti Vidyapeeth, D.Y.Patil Pune, SGGS Nanded, ARAI SAE etc.
- MBA Students undergo a summer internship programme at the end of second semester under the guidance of faculty mentors. Each mentor guides around 10 to 12 students for the completion of project work.
- Total leading Research Projects: 96.
- Total collaborative research: 76.

3.1.6. Give details of workshops/ training programs/ 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.

- The Institute arranges workshops, seminars, training programmes, certification courses, sensitization programmes regularly on different issues for staff and students.
- One FDP is sponsored by AICTE Delhi and others are sponsored by SPPU and Institute. These programs are useful for students as well as faculties to identify project or problem statement, development of the project and research.
- The core team members of research cell accompanies in visits to Industries and research labs which helps the students to find probable solution to problem statement.

- Session by eminent industry experts guiding in various research areas.

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

Sr.No	Name of Faculty	Expertise Area
1	Dr. Mrs. K. R. Joshi	Digital Signal Processing,
2	Dr. Mrs. A. J. Vyavahare	Image Processing, Communication.
3	Dr. Mrs. N.R.Kulkarni	Electrical control systems, Renewable energy systems.
4	Dr. Mrs. S. A. Itkar	Operating Systems, Distributed System, Data Mining, System
5	Dr. B.D. Phulpagar	Image processing, Data mining, Artificial Intelligence, Cloud
6	Dr. Mrs.S. Walvekar	Marketing.
7	Dr. Mrs. K. Srinivas	Finance.
8	Dr. Mrs..D. Choudaki	HR & Marketing.
9	Dr.M. Datar	IT and Marketing.
10	Dr. Mrs V.B. Sangvikar	Computer Networking and its Applications.
11	Dr.Mrs. M.V.Arjunwadkar	Information Security (Under Computer Studies).
12	Dr.Mrs. S.A. Budhkar	Software Engineering.

Ph.D. Research Guides	03(from college)+ 06(Affiliated)
Senior Eminent experts from Industry	65
Ph.D. completed staff	11
Ph.D. perusing staff	32

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

- The Institute takes efforts to invite eminent experts from industry and research institutes like IIT, NIT, NID, NCRA, CDAC, Smart Grid India Forum (SGIF), MSEB, NCL, DIAT, ARAI, DRDO and

Academic Institutes. The eminent experts from industry and research institutes interact with the students and faculties regularly by:

- Inviting Keynote speakers as reviewers in the techno-management event M-Pulse and project exhibitions.
- Organizing certification courses with Industries like IBM and NPTEL.
- Institute has MOU/MOC with different Organizations, which gives platform to our faculty and students to communicate as well as arranged workshops and seminars in emerging areas by eminence expertise.
- Institute arranges industrial visit for students to cope with recent tools and technology used in Industry.
- Small scale funding is also provided by institute/industry to promote the research.
- Providing facilities of Research journals, magazines, open access journals, newsletters, software and tutorials from central and departmental library to imbibe the research culture among staff and students.

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?

- The Institute grants study leave for faculty pursuing their Ph.D. and research and also has provision for sabbatical leave. Institute motivates the faculties to attend various seminars, workshops and conferences as well as provides financial and leave assistance to present and publish their research work.

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).

- The initiatives taken for awareness and promotion of research spirit in the student are as follows:
- Organizing model exhibition for first year students.
 - Providing financial assistance to the students to participate in various competitions at national, international level.
 - Encouraging the students to publish or present the research papers in journals or conference.
 - Providing well equipped computer center in the Central Library to access e-resources like IEEE, science direct etc., e-books and other research material.

- Arranging various activities, project exhibitions in collaboration with professional chapter like IEEE, SAE, CSI and KP.
- Encouraging students for industry sponsored project.

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.

Sr No.	Item	2011-12		2012-13		2013-14		2014-15	
		Budget (Rs)	Expenditure (Rs)	Budget (Rs)	Expenditure (Rs)	Budget (Rs)	Expenditure (Rs)	Budget (Rs)	Expenditure (Rs)
1	Recurring Expenditure	1906707	2164687	2936311	2411690	4003523	3140619	6036414	4776156
2	Non -Recurring Expenditure	688570	622074	886520	797715	1568010	1419491	2366716	1268519
3	Total R & D Earmarked Budget and Expenses (Rs.)	2595277	2786761	3822831	3209405	5571533	4560110	8403129	6044675
4	Total Institute Budget (Rs)	173977800		212253500		286123200		281366830	
5	Percentage of Total Budget earmarked for Research	1.49		1.80		1.95		2.99	

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?

The Institute support faculties for pursuing research and large number of faculties avail the facility.

Sr No	Particulars	2011-12	2012-13	2013-14	2014-15
1	Total Provision for Faculty Research Disbursed (Rs.)	1520445	1442250	1836982	2138679

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

- The Institute provides financial support for students' research projects. Equipments, hardware and software are purchased for individual departments through budgetary provisions by the Institute. The required books, journals and e-sources are purchased through central library or departmental library. The Institute has memberships of professional chapters like IEEE, ACM, CSI, SAE, ASHRE, ISHERE, ASME student chapters. The Institute organizes the workshops, seminars on their research projects like workshop on Robotics, Mechatronics, Latex etc. The Institute has signed MOU for Smart City Project.

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.

- Lab sharing facilities are provided for the students to implement different inter disciplinary projects.
- Industrial requirements are considered while selecting the Inter-disciplinary projects and accordingly it is executed by corresponding departments.
- Interdepartmental coordination amongst the students to carryout various activities for Robocon and Mechatronics.
- Some examples of the inter-disciplinary projects are “Automation of elevator”, “Self. M.A.TE. Wheelchair”.
- Total Inter disciplinary projects :65
- Challenges faced: database from industries, industry prototype infrastructure for research.

3.2.5. How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- The institution ensure optimal use of various equipment and research facilities
 - **Research Facilities:**
 - Financial assistance provided for publishing research paper in National and International conferences and journals.
 - Labs and Equipments: Departments have modernized research laboratories and facilities with latest equipments and software/hardware like MATLAB Software, Spectrum Analyzers, USRP Boards, Kit Heat pipe, Mechanical heat pump, Vapor observation test kit etc.
 - **Research Library Facility:**
 - Library has separate reference/periodical section, e-resources with back volumes and current journals/dissertations/thesis for ready references.
 - The Central library has membership with British Library Council and Jayakar Library.
 - Library reprographics facilities.
 - R& D cell takes periodic reviews of all research facilities to know the status of all research areas.

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.

- Yes, institution received special grants from other beneficiary agency for developing research facility. Research facility includes minor projects, seminar /workshops/conferences organized in the Institute for staff, students and research scholars. The details are as follows:
- Received funding from BCUD- SPPU for minor projects about Rs. 7,90,000/-.
 - Received funding from AICTE Under Quality Improvement Scheme (AQIS) for FDP titled ' Impact of ICT in Teaching Learning Process' about Rs.2,50,000/-
 - Received funding from BCUD- SPPU under QIP for organizing seminar/workshop/conference about Rs. 14,74,345/-
 - Received funding from IEEE Educational Activity Society for lecture series about \$ 150/-
 - Received funding from IEEE SPS chapter for various activities about Rs. 35000/-.

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

Sr. No.	Name of the funding agency	Total grant received till date
1	BCUD funded projects	Rs. 9,80,000/-
2	AICTE Quality Improvement Scheme (AQIS)	Rs.2,50,000/-
3	QIP by SPPU -BCUD	Rs.14,74,345/-
4	IEEE Pune Section	Rs. 2,00,000/-
5	IEEE Educational Activity Society	\$150
6	IEEE WIE affinity group	\$350
7	IEEE SPS chapter funding	Rs.35000/-
8	US based NGO UL&YSA.	\$1,000
9	VidyarthiKalyanMandal	Rs.1,16,714/-
* In Rupees unless mentioned otherwise		

3.3. Research Facilities

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

- Following research facilities are provided by our institutions:
- The Institute has professional chapter memberships like IEEE, ASME, SAE, CSI, ACM, MCCI etc. helping the students and research scholars access various research papers.
 - Every department has modernized research laboratories and facilities with latest equipments and software/hardware like MATLAB Software, MFD Chopper Motor, Heat pipe, Mechanical heat pump, Vapor observation test kit etc.
 - Well equipped Computer Center which is located in Central library, E-resources, e-books, Optical Fiber Networking, and Internet connectivity.
 - The Institute has the online membership of the British Library Council.
 - Library has separate reference / periodical section with back volumes and current journals/dissertations/thesis for ready references. Library all reprographics facilities.

Sr.No.	Department	R & D Lab Investment (Rs.)
1	ENTC	9,953,060.00
2	MECH	8,136,175.00
3	COMP	10,626,804.65
4	ELECTRICAL	2,203,035.00
5	MCA	3,539,727.00
6	MBA	2,079,456.00
7	IT	3,533,651.00
Total Investment		40,071,908.65

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?

- The Institute is continuously seeking to enhance its infrastructural requirements in order to provide facilities to meet the needs of researchers especially in new and emerging research areas by
- Providing budget allocation in the Institute's budget for procuring latest software, E-resources, books and equipment's which is required/utilized for research work.
 - Purchasing new and updraging software, E-resources, books and equipment's as per requirement.

- Encouraging faculty to enroll for Ph.D programs.
- Motivating researchers to submit the research funding proposals to various funding agencies like AICTE, UGC, DST and SPPU etc.
- Providing 70 Mbps bandwidth Internet facility in the campus for the researchers.

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.

- Yes , the Institute has received finance for the equipments and software from BCUD, SPPU and Industry. The Institute purchases two equipments explicitly for the research which is used by faculty. The details are given below:

Sr. No.	Equipment Name	Amount	Name of Industry/ other beneficiary
1.	Horizontal Rectangular Fin	177000	SPPU-BCUD
2.	Nikon Camera Model No:D3300	36600	
3.	BLDC Motor	45000	
4.	XPO-PCT Model :3t (Process Control	180957	
5.	Solar Panel Array For UPS Battery	80000	
6.	Microcontroller Tool Model No: C2000-Quantity- 2	6000	Texas Instruments
7.	Picolo Launch Pad Evaluation Kit	30000	
8.	Cut off Section geared Motor Model No: SK0022 1.00w/4	51000	Nord Drive System Pvt. Ltd
9.	Spartran 3 Development Board	231100	Institute
10.	NIUSRP-2920 cognitive	315000	
Total		11,52,657	

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

- The Institute encourages students and research scholars to visit different research labs, IITs and other organizations for research purpose.
- Institute conducts certification courses for students where they can share virtual labs, online lectures and videos in their daily activities.
- Some of the research facilities utilized outside the college campus are listed below

Sr. No.	Name of research facility	Location and details	Purpose
1	MSETCL calibration lab	Fursungi, Pune	Calibrating the developed
2	MSEDCL Lab with load test bench	Rasta Peth, Pune	Validation of developed research project
3	Meter Calibration lab of MITCON	Shivajinar, Pune	Enhancing the knowledge of students
4	LT switchgear set up.	L & T switchgear training center, MIDC, Bhosari.	Training of LT switchgear and testing.

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

➤ Library Facility available for Research:

- A well equipped Computer Center which is located in Central library, E-resources, e-books, Reading Hall, Optical Fiber Networking, and Internet connectivity.
- The Institute has regular and online membership of the British Library Council and Jayakar library, SPPU, where students can not only borrow books but can also access 85000 e-books and 14000 e-journals.
- Library has separate reference / periodical section with back volumes and current journals/dissertations/thesis for ready references.

3.3.6. What are the collaborative researches facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

- Controller Kits provided by “National Instruments, Pune”.
- Certification courses are executed for students in collaboration
- Different certification and collaborative courses with IBM, NPTEL, IIT.

- Projects in collaboration with Knowledge Park.
- e-Yantra collaborative activity with IIT Bombay.

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) :**
 - Patent filed on 19.01.2016, publication on 05.02.2016 CBR no. 978 by Dr.Mrs.A.J.Vyavahare.
- **Original research contributing to product improvement**
 - Improvement in Control panel board for automation of H.V. transformer.
 - Enhancement of Active power flow through long transmission line by PID controller.
- **Research studies or surveys benefiting the community or improving the services**
- Faculties from MBA department have undertaken a research study on
 - “A Study of the role of Entrepreneurs towards turnaround of select sick small scale industries of Ahmednagar MIDC for a period of 2007 to 2012”.
 - “Study of Supply Chain Management System on Auto Industries in Pune region with reference to passenger car segment”.
- Robocon - Students of Robotics Club every year participate in International level competition Robocon which is about design and development of auto/ manual robots based on a certain theme provided by the organizers.
- Students from “Traffic Park” have undertaken a survey on the traffic management and control for Pune region.
- Research inputs contributing to new initiatives and social development
- Students and staff of the institute contribute to Use of non conventional source of energy, Innovation in increasing mileage/fuel economy of two wheeler, Agricultural development, projects useful in hazardous situation, energy saving household application etc.

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?

- Yes, the Institute publishes two research journals, college magazine, Departmental News-letter and Technical calendar. The list is given below:

1. Journal: "DNYANAMAY" (ISSN No.)

2. Business journal: "CHAITANYA"

CHIEF PATRON	Dr. G.R. Ekbote (Chairman, Business Council, PE Society)
ADVISORS	1. Prof. Dr. (Mrs.) K.R. Joshi (Principal, PES Modern College of Engineering)
	2. Prof. Dr. (Mrs.) S.P. Walvekar (HOD, MBA Dept, PES Modern College of Engineering)
EDITORIAL TEAM	
Editor	Prof. Dr. K.C.Srinivas
Member	Prof. S.Bhandwalkar
Member	Prof. Dr. D.Choudaki
Member	Prof. R.Netke
Member	Prof. P.Shintre

3.4.3. Give details of publications by the faculty and students:

Sr.No	Department	Publication	International Database
1	Mechanical	34	15
2	Computer	60	-
3	Electrical	43	21
4	E and TC	62	19
5	IT	40	18
6	MBA	30	5
7	MCA	10	13

3.4.4. Provide details (if any) of

- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:**

- Dr. Mrs. K.R.Joshi received **Special appreciation** for contribution as woman in Engg, by IEEE and IEI Pune Section and Institute of Engineers, Pune, on World Telecom Day in year 2011.
- "Best teacher award" of Progressive Education society has been received by Mrs. R.S.Kamthe(E&TC), Dr.Mrs.N.R.Kulkarni(Electrical), Ms.P.S.Jadhav(Electrical), Dr .Mrs.L.N.Rajopadhye(General Science), Dr.Mrs.S.A.Itkar(Comp), Mr. S.Y. Bhosale (Mechanical).

- **Research awards received by the faculty:**
 - “Best research paper” award won by Dr.A.J.Vyavahare in international conference on “wireless and mobile communication” organized by D.Y .Patil COE in year 2012-13.
 - “Best paper presentation award” won third prize by Prof. V.P.Kodgirwar in international conference conducted at Jodhpur.
- **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

Yes, Institute provides incentives to the faculty members attending state, national and international level workshops/training programs/seminars.

3.5. Consultancy

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

- The Institute follows systems & strategies to enhance Industry institute interaction through projects, consultancies, training services. In addition to the conventional methods of developing corporate interface such as the public relations work, organizing guest lectures and seminars, industrial visits, etc, leading to the placement of students, the institute strongly believes in establishing a firm foundation for corporate interface through some innovative practices.

Systems:

- Arranging industrial visits, industrial trainings to bridge a gap between academic and industry needs
- Arranging guest lecturers and collaborative training programmes from industry experts
- Signing MOU's / MOC's
- Encouraging students for collaborative projects

Strategies:

- Arrange workshops / FDP's in collaboration with industry.
- Short term internship programs in industries.
- Identify the domain specific expertise and invite them to interact with students.
- Inviting Alumni Entrepreneurs for conducting sessions and motivating the students and sharing their field of expertise.

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

- To promote consultancy activity the resolution has been passed by the Business Council of P. E. Society for collecting amounts in the form of charges for work done or any research funds availed under some activities of R & D. It is distributed after deducting all the material expenses that are necessary to complete the project from the consultancy fees received from the customer. Institute publishes the expertise available for consultancy services regularly by providing information on Institute Website and College Magazine.

Sr. No.	Beneficiary	Purpose	Date	Practical charges (Rs.)
1	K.J. College of Engineering & Management Research, Kondhwa-Saswad Road, Near BopdeoGhat, Pune	Trial on Steam Power plant (SE Mechanical)	28/09/2012	29100
2	D. Y. Patil COE, Pimpri, Pune	Trial on Steam Power plant (SE Mechanical)	12/9/2012	38000
3	Marathwada Mitra Mandal's Institute of technology, Lohngaon, Pune	Trial on Diesel Power Plant (BE Mechanical)	4/3/2013 , 5/3/2013	27200
4	D. Y. PatilCOE, Akurdi, Pune	Trial on Diesel Power Plant (BE Mechanical)	6/3/2013	21000
5	M.E.S. COE, Pune 01	Trial on Diesel Power Plant (BE Mechanical)	9/3/2013	11400
6	D.Y. Patil COE, Pimpri, Pune	Trial on Steam Power plant (SE Mechanical)	09/2013	41800

7	Marathwada Mitra Mandal's Institute of Technology, Lohngaon, Pune	Trial on Diesel Power Plant (BE Mechanical)	28/2/2014	19200
8	D.Y. Patil COE, Pimpri, Pune.	Trial on Steam Power plant (SE Mechanical)	7/10/2015	49500
9	D.Y. Patil Engineering and Technology, Pimpri,Pune.	Boiler Trial	2011	1,20,000/ year
10	D.Y. Patil Engineering and Technology, Pimpri, Pune.	Steam turbine power plant trial	2011	1,20,000/-yr
Total Revenue generation in academic year 2011-12 to 2014-15				Rs. 4,61,200/
(in Rupees)				

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

Institution encourages the staff to utilize their expertise and available facilities by plummet the academic and administrative work load.

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

Sr. No.	Name of Institute	Nature of Consultancy	Approximate Amount saved in Rs.	Year
1	Modern College of Arts, Science and Commerce Pune - 5	Successfully solving theft case MSEDCL	1,50,000/-	2008-09
2	Modern College of Arts, Science and Commerce Pune - 5	Load Extension of College (315 kVA Transformer)	15,00,000/-	2014-15
3	Modern College of Arts, Science and Commerce Pune - 5	Consultancy for principal Office and Data Center Renovation	20,00,000/-	2013-14
4	Modern College of Arts, Science and Commerce	Consultancy for energy Audit	30,000/-	2013-14

	Pune - 5			
5	Modern College of Arts, Science and Commerce Ganesh Khind Pune - 53	Consultancy for energy Audit	30,000/-	2012-13
6	Modern College of Arts, Science and Commerce Ganesh Khind Pune	Load Extension of College (200 kVA Transformer)	15,00,000/-	2013-14
7	Modern College of Arts, Science and Commerce Ganesh Khind Pune	Consultancy for Transformer Oil Filtering and Servicing	17,000/-	2015
8	Modern College of Arts, Science and Commerce Ganesh Khind Pune	Separating Load (Tube and Fan for Solar and wind energy plan)	1,00,000/-	2015
9	Modern College of Pharmacy Nigadi	Consultancy for HT Substation – 22kV	25,00,000/-	2012
10	Modern College of Pharmacy Moshi	Consultancy for Electrical wiring and fittings	15,00,000/-	2014
11	Modern College of Pharmacy Moshi	Load Extension to 40 kW	1,00,000/-	2015
12	Modern College of Pharmacy BBA,BCA , Pune -05	DG set Purchase 80 kVA	6,00,000/-	2015
13	Modern High School (Eng. Med) Pune -5	DG set Purchase	50,000/-	2013

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?

- The income generated through consultancy is utilized in development of research infrastructure.
- Students are also supported by granting funds required for their research project through this generated income.

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?

- Institute has generated healthy neighborhood network which is beneficial to student for acquiring knowledge by inculcating ethical and social values. Few activities are listed below:

- 'Community Development' Program started under 'WIE', Women in Engineering Affinity Group IEEE (Institute of Electronics & Electrical Engineering) Bombay Section.
- Cleaning of Mula and Mutha River
- 'Online Tarunai' - Communication of Pune Police with Youth
- Police Mitra in Ganesh Festival
- Special Winter Camp At-Mavadi (K.P.), Tal. Purandar with the theme of 'Clean and healthy India'.
- Conducts social activities like Blood Donation Camp, PUC Camp, PAN Card Camp, and visit to an orphanage under the 'Social Activity Week'.
- Joy of giving week
- The Institute also has a traffic forum which is a student chapter to promote road safety awareness.

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

- The Institute always motivates the students and staff to participate in social activities. The Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles can be outlined as follows:
- The Institute has an active NSS cell which aims in 'Community Service and Help to the Nation'. It encourages the students to participate in social activities.
 - The Karmanya (magazine) committee is a student club which holds annual events like blood donation camp, PUC camp, PAN card camp etc.
 - Life skill management programs on yoga, stress management etc are conducted.
 - To promote diversity, programmes on 'Women Empowerment' and self defense trainings are conducted.
 - The institute also has an ED cell through which students participate in inter-college competitions.

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

- The Institute is always keen to seek the perception of the stakeholders like students, parents, alumni staff and employers. To maintain quality of the Institute, the input from stakeholders' is very helpful. The Institute interacts with those stakeholders both formally and informally. The

Institute gathers feedback to understand the perception on the overall performance and quality of the Institute.

- Feedback on the teaching–learning process is collected from students and analyzed. Suitable actions are taken if required.
- Course exit survey is collected from final year students at the end of the program.
- Feedback from Alumni is taken at the time of Alumni meets. Suggestions given by them are implemented if suitable.
- Feedback is also collected from recruiters/employers to address shortcomings.
- During the parent meet feedback from parents is also collected.

3.6.4. How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- The college promotes its extension and outreach programmes by making the students to participate in activities through NSS and various student clubs. The NSS unit of the college is funded by the University and the other financial requirements are met by the Management as and when the programs are planned. Some of the outreach programs include Blood donation camp, NSS Camp, Tree plantation, Health Awareness Program, Community Development Program started under 'WIE', Women in Engineering Affinity Group of IEEE, Programs on Safe Driving, awareness programs for school children in rural area among many others. For this purpose, specific budget is allocated programme wise.

3.6.5. How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- The Institute promotes the students and faculty members to participate in NSS and other such programs by supporting them in multiple ways. The institute was also funded by UL-YSA, an US based NGO for creating traffic and safety awareness. Students participating in these forums are helped with additional inputs and guidance in academics to cover the sessions missed. The Institute also helps financial assistance and gives the required platform.

3.6.6. Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

1. Recycling of Waste water Plant:

- This project is developed in the Institute in which 20,000 liter of drainage water/day is recycled and used for gardening and flush system of toilets.
- 2. Bio-gas and Vermiculture Plant:
 - In this project of Bio-gas and Vermiculture Plant 30 Kg canteen waste and 50Kg dry garbage is utilized to create vermiculture and three bio gas cylinders can be produced. Thus saving in LPG is achieved. Also 5% of property tax will also be reduced after implementation of this project. The compost hence obtained will be rich of essential micronutrients which are good for flora & fauna as well.

➤ Details:

- The students of the Institute under the E.D. cell conducted a survey in two villages, Velhe and Kadepathar (a village in which our N.S.S team is working) to find out the areas where we can provide service. It was observed that in the village students are not aware about the different career streams and there is no awareness about safety issues of electricity. A seminar to show different career opportunities and one on awareness about the safety issues of electricity was conducted.
- Sessions on career guidance and admission are done.
- Besides this the college NSS team undertakes various activities to create awareness about “Clean and Healthy India”.
- Volunteers from the institute also help in converting books to Braille.

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students’ academic learning experience and specify the values and skills inculcated.

- The major objectives of the extension activities organized by the institution are to cultivate a spirit of empathy for the underprivileged, consciousness of need to be responsible towards society and environment in their minds and create informed citizens. The social initiatives undertaken by the institute has helped students to develop their managerial skills, leadership qualities, fulfilling of social responsibilities, ethical behavior and sensitivity to issues of underprivileged and differently abled. These extension activities take them closer to the local community to which they belong.

3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- Since the Institute is located in the heart of the city; it is easily accessible and support of the management has ensured that there is active role of the Institute in the community development.
 - Adopted village Velhe and provided career guidance and motivation to the students studying in 8th to 12th std.
 - An active NSS chapter working in Mavadi K.P. village
 - A blood donation camps, Road safety awareness programs are being conducted every year in association with K.E.M. Hospital
 - Under ED cell of the college, training is provided to secondary school students in rural areas for career guidance, use of electrical and electronic gadgets, basic mathematics.
 - Our students also help visually challenged students by converting text to Braille
 - Regular visits are made to Orphanages and Old Age Homes.

3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- Institute has generated healthy neighborhood network which is benefited to student for acquiring knowledge in Social Services like Pollution Control/ Environmental Awareness.
- 'Community Development' Program started under 'WIE', Women in Engineering Affinity Group IEEE (Institute of Electronics & Electrical Engineering) Bombay Section. Students are associated with Bhau Institute for community welfare activities. The Institute is also affiliated with the Rotary Club and students participate in many of their social initiatives. There are active linkages with NSS, and a number of agencies working for the welfare of the underprivileged. The Karmanya club regularly conducts PUC, PAN card and Swachha Bharat activities.

3.6.10. Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Students team took part in the competition I2I organized by Bhau Institute at COEP. They worked in the village Velhe and provided the students studying in 8th to 12th std. with advice on career guidance and motivated them to work hard to achieve their goal. They also won the 3rd prize in the competition.
- The year 2014-15, the street play team of the Institute participated in various intercollegiate fest 2015. Our street play-team performs street-play on various current social issues which are going on in our country. The themes are as Anti-Addiction, Anti-Corruption, Eve-Teasing/Women Harassment, Farmer Suicides, Swachh Bharat

Abhiyan, and Secularism. Our team received tremendous response from public and also won prizes.

3.7. Collaboration

3.7.1. How does 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.

Sr. No.	Name of Research lab/institute/Industry	Activities conducted by collaborating party	Benefits accrued
1.	Thermax Pvt.Ltd	Research Project on “Mathematical Modeling of Parabolic Through Solar Collector, its Experimental Validation and Calculation of absorber tube emissivity of horizontal heat loss model”	Use of lab for experimentation and its validation
2.	Valio, Chennai	Research Project on “Performance Evaluation of Rotary Vane Compressor using Oil Separator in Car A/C System”	Testing facility for Rotary Vane Compressor
3.	TATA MOTORS, Pune	Research Project on “Deployment of scroll compressor on Air Conditioning system of SUV”	Testing facility for scroll compressor
4.	TATA MOTORS,Pune	Research Project on “Deployment of Thermo Electric vehicle Cooling module “	Testing of Car using thermo electric cooling module
5.	TATA MOTORS, Pune	Research Project on “Optimization Of Vehicle Cooling Module”	Experimentation for Car A/C System

6.	Whirpool Pune	Research Project on “Energy Optimization and Cost saving in domestic refrigerator by improving condenser performance”	Experimentation and manufacturing support
7.	Kirloskar Brothers Ltd. Pune	Research Project on “Experimental Optimization of Vertical Pump Intake Structure Hydraulic Parameters”	Support for Experimentation on Vertical Pump
8.	Foton Motors Manufacturing India Private Ltd Pune	Research Project on “Down Sizing of Mobile Air Conditioning System by Implementation of Vane Rotary Compressor For Improvement in Fuel Efficiency”	Support for experimentation on Car A/C system using Vane Rotary Compressor
9.	Zeus Numerix Pvt Pune	Research Project on “Redesign of Centrifugal Pump Impeller of a Wankel Engine and its Performance Analysis Using CFD”	Support for experimentation in Centrifugal Pump
10.	Department Mechanical Engineering. COEP	Research Project on “Jet Impingement on Flat Plate Using various Vortex Generators”	Support to carry out experimentation on Jet Impingement
11	Department of Electrical Engineering COEP	PG project experimentation	Support for experimentation in ball bearing system

MBA - Students of MBA at the end of second semester undertake summer internship projects in collaboration with the industry as a part of MBA curriculum.

Institutes and industry for research activities:

Sr.No.	Name of Student	Name of Speakers	Date	Designation of speaker	Organization of speaker or
1	Training on Research	Dr. Roshan Kazi	23.08.2013	Head Research	Allana Institute of
2	Market Research Analytics	Mr. Rao-Global Talent Track	24.02.2014	Head	Global Talent Track
3	Structured approach of research	Dr. SatishUbale	24.10.2015	Director	Matrix School of Management

3.7.2. Provide details on 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.

Some of the MOUs are listed below:

Sr. No.	Name of Organization	Specialization
1.	IBM	C,C++, Java
2.	Twintech Control System Pvt Ltd	Automation and renewable energy sources
3.	Unicus Internet Solution LLP	Web Technologies
4.	Nyasa infotech	Automation and software solutions
5.	Enrich Consultants	Energy Audit, Management and Conservation
6.	Shashwat Solutions	Networking
7.	Anercon Consultants	Energy Audit
8.	Banale Consultancy	Solar Energy and its Utilization, fieldwork
9.	BSE Institute Ltd.	Stock Market Fundamentals
10.	Opine Group	Business Analytics
11.	Sarvshikshan	Scrum , Six sigma

12.	BSNL	Electronics and Telecommunication
13.	Knowledge Park	Energy audits & conservation techniques in building construction.
14.	Knowledge Park	PV solar roof top system (Design & Installation).
15.	BSE Institute Ltd.	To Enhance academic skills of the students To sever the students by offering them field work opportunity To build network of learning communities and industries

3.7.3. Give details (if any) on 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.

Sr.No.	Name of Dept/Industry/ institute	Activities conducted
1	IIT's & IISc Bangalore	Certification course on Industrial Automation & control
2	Robotics club/ IIT Bombay	Robo fest and Robo race etc. Intercollegiate project competitions
3	BAJA	1] Workshop on "Carsim simulation" software training 12-13 July 2013 2] SAE Activity-Workshop of "ANSYS & HYPERWORKS" 29-30 Sept 2015
4	MCED	Entrepreneurship awareness programme
5	VM Edu	SCRUM and Six Sigma certification courses
6	Entrepreneurship Development Cell under MBA & Rachna builders	Entrepreneurial- Business Talent Search
7	Education belt-	"Inner view of Interview"- Pre-placement training
8	VM Intellect	Personality Development to become an entrepreneur

9	Ethos Design	SAP in Functional areas
10	Fands India	Career Guidance for IT Students

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 college during the last four years.

- Total National/International workshops and seminars organized: 15
Some of them are tabulated below -

Sr.No	Title of QIP/seminar/workshop	Eminent Speakers / Guests	Department	Academic Year	Level(International /National/State/Local)
1	International seminar on “Recent trends in Renewable energy systems”	1) Dr. Ronny Timmerick (CEO, Lexsolor, Germany) 2) V.L Sonawne (Ex Memner MERC) 3) Dr. Nitant Mate (Seegreen Solutuions, LPP) 4) Mr. Amol Sawant (ISGF Specialist) 5) Mr. Ravi Birje (Owner, BBTEK Technologies)	Electrical	2015-16	International
2	National level workshop on “Speech and bio-medical signal processing”	1) Dr. Anilkumar Vuppala (Asst. Prof. IIIT Hyderabad) 2) Dr. Milind Shah (Asst. Prof. FCRIT, Washi) 3) Dr. Samudravijay (Chief TIFR, Mumbai) 4) Manisha Dubey,	E & TC	2015-16	National

		Mr. Ronak Shah (Researcher, CDAC, Pune) 5) Dr. Manesh Kokare (Asst. Prof. SGGS, Nanded) 6) Dr. Sabrimalai Manikanand (Asst. Prof. IIT, Bhubaneswar)			
3	Big Data and Hadoop	Mr. Vimal Daga (CTO, Linux world Informatics Pvt. Ltd.)	Computer	2014-2015	National
4	National level workshop on Smart Grid	1) Dr. G.A Vaidya (Prof. PVGCOET) 2) Mr.V.L.Sonawane (Member MERC) 3) Dr. S.M Bakre (MSCTCL, Baramati) 4) Dr.S.S.Dambhare (Prof. COEP)	Electrical Engg	2013-2014	National
5	Innovations in Electrical Engg. Research	1) Dr. D.G Bharadwaj (Prof. BVDCOE, Pune) 2) Dr.P.B.Karandikar (Prof.AIT, Pune) 3) Dr. Shaila Kurude (Prof. COEP) 4) Dr. H. A Mangalvedhekar (VIIT, Mumbai) 5) Dr. Vishvesh Vyavahare (IIT,Mumbai) 6) Mr. Ganesh Jadhav (ZCOE, Pune)	Electrical Engg	2012-2013	National

3.7.5. How many 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.

- The collaboration has resulted in formal MOU's and has provided internship opportunities for the students. The collaboration have helped the students in placement and publication of articles in research journals/projects and consultancy activities.
- The collaboration has enabled the institute in the introduction of new courses such as certification courses with IBM, NPTEL, KP etc.
 - The MOUs signed by the institution helps the students to collaborate, communication, consultation with Experts, which gives a direction to understand the broad research areas.

Sr. No.	Name of Organization	Specialization
1.	IBM	C,C++, Java
2.	Twintech Control System Pvt Ltd	Automation and renewable energy sources
3.	Unicus Internet Solution LLP	Web Technologies
4.	Nyasa infotech	Automation and software solutions
5.	Enrich Consultants	Energy Audit, Management and Conservation
6.	Shashwat Solutions	Networking
7.	anercon Consultants	Energy Audit
8.	Banale Consultancy	Solar Energy and its Utilization, fieldwork
9.	BSE Institute Ltd.	Stock Market Fundamentals
10.	Opine Group	Business Analytics
11.	Sarvshikshan	Scrum , Six sigma
12.	BSNL	Electronics and Telecommunication

13.	Knowledge Park	Energy audits & conservation techniques in building construction.
14.	Knowledge Park	PV solar roof top system (Design & Installation).
15.	BSE Institute Ltd.	To Enhance academic skills of the students To sever the students by offering them field work opportunity To build network of learning communities and industries

3.7.6. Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- The Systemic Efforts of the institute in planning, establishing and implementing the initiatives of the linkages/collaborations are :
- For Undergraduate/Postgraduate students of SC/ST category a program is organized by CII in association with ELTIS, to provide soft skills.
 - Book Bank Scheme under Social Welfare Department of Govt. of Maharashtra for SC/ST students.
 - MOUs and MOCs are signed with industry and experts.
 - Industrial visits are arranged regularly.
 - Activities in collaboration with Rotary club
 - Collaborative certification courses in association with IBM and NPTEL.
 - Activities in collaboration with professional chapters like IEEE, SAE, CSI, ASME etc are conducted.
 - Institutional membership of British Library, Jayakar Library (SPPU), Automotive Research Association of India (ARAI) and Developing Library Network (DELNET).
 - PG/ Ph.D. students' Collaborative projects are in progress in association with COEP, Bharti Vidyapeeth, D.Y.Patil Pune, SGGS Nanded, ARAI SAE etc.

CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

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?

- Following are the policies of the Institute for creation and enhancement of infrastructure that facilitate effective teaching and learning:
- Institute is endowed with excellent physical infrastructural facilities to support the teaching-learning process.
 - The campus is spread over 10.47 acres of land. The campus is provided with adequate infrastructural facilities for all Academic, Administrative and Examination related activities.
 - The policy of the institution mainly focuses on generating funds for the policy decisions taken by Progressive Education Society and sending proposals for approval to UGC, Higher Education department and University.
 - For proper functioning of state-of-the art Programs, institution caters for all modern teaching aids like Computer facilities, LCD Projector, Wi-Fi facilities.
 - Institute provides adequate number of classrooms, well equipped laboratories, cabins for faculty and seminar halls as per AICTE norms.
 - The Institute has well equipped and well stocked Library with spacious and well furnished reading room for the students as well as for faculties. The central library has adequate space, large number of books and journals as per AICTE norms. The Library is open on holidays as well as till late evening so that students can avail the facility even after their class hours. A book bank has been created wherein sufficient copies of important course related books are stored and are issued to the students on loan for a long duration.
 - Separate Hostel facility is available for accommodating around 60 plus Girls and 20 Boys.
 - Institute provides Canteen facility. It has spacious and properly maintained separate sitting halls for staff and students. A variety of food and snack items are provided at highly subsidized rates with good quality. It is run by an individual on contract basis after proper official formalities. It also caters to the programmes like seminars, conferences and workshops organized in the Institute.
 - Water supply is made available through Pune Municipal Corporation water supply line. Two ground water tanks each of 25,000 liter

capacities are built in the college campus and an overhead tank of 25,000 liter capacity is provided on the terrace.

- The Institute is HT consumer. The contract demand of power supply is 200 kVA. There are two generators of 62.5 kVA and 200 kVA capacity operated during power cut off. Two portable generators of 1.8 kW capacities each are available. Computer labs of each department are provided with UPS facility.
- Regular up-gradation of laboratory equipments, library books, journals, e-resources is done as per the requirement of the university curriculum.
- Enhancement of infrastructure facilities such as class rooms, laboratories, seminar halls, common room is carried out on regular basis to facilitate effective teaching –learning process.

4.1.2. Detail the facilities available for

- **Central facility-** Central Computing facility, Seminar Halls, Central Library is accessible to all departments. Audio-visual aids like LCD, OHP, language lab, AV laboratory, and technology enabled learning spaces, central auditorium, tutorial spaces, laboratories, specialized facilities and equipment for teaching, learning and research etc. are available with the departments.
- **Workshop-**The Institute has a well equipped workshop. The well supported and systematically laid Workshop provides hands on work experience to our students. It is well equipped with lathes, milling, drilling, shaping, grinding & welding machines. It is also equipped with Industrial type CNC-Lathe with simulation software. Students perform practical on CNC-Lathe as a part of course curriculum. Students get hands-on experience in basic trades like Carpentry, Smithy, Plastic Moulding, Pattern Making, Tin Smithy etc. These trades are taught by a team of dedicated & experienced skilled instructors. Large numbers of color charts giving information about different machines, machine elements, tooling are displayed as a ready reference for students.
- **Gymnasium-** To ensure physical and mental fitness of the students and staff, gymnasium with adequate modern equipment has been catered.
- **Total Built-up area for the existing Intake:**

Particulars	Building with RCC roof in sq. meters
Instructional area (Carpet area)	13193
Administrative area	1650
Amenities	3450
Circulation and Others	5219
Total	23512

Particulars	Number of rooms Available in the institution	Carpet area per unit (sq.m)
Class Rooms	37	3133.00
Tutorial Rooms	21	774
Drawing Hall	1	241
Seminar Hall	9	1174
Library	1	1017
Laboratories & workshops	66	5666 (Total)

• **Co-curricular/ Extra-curricular / Sports / Cultural activities:**

Facilities those are available for conducting different activities such as co-curricular, extra-curricular, sports, cultural, workshops, seminars, industrial visits, guest lecturers, communication skills, NSS activities, yoga, and health:

- A multipurpose and well equipped Auditorium of 973 sq. meters area constructed within the college campus. It has seating capacity of 507.
- Every department has ICT enabled Seminar Hall to support Co-curricular activities.
- Central Library as well as departmental libraries are well equipped with various Books, Research Journals, E-Resources and Magazines to support co-curricular activities.
- Institute has a well equipped sports complex for indoor games like badminton, karate, table tennis, carom, etc.
- Institute has a well equipped gymnasium to maintain the fitness of the students and staff.
- In addition, a spacious playground on 1.25 acres is available at the centre of the premises for outdoor games.
- Infrastructure facilities are provided to students of Arts Circle, under which students are trained for drama, dance, singing competitions etc.
- Separate rooms for rehearsals are provided for students participating in intercollegiate extra-curricular activities like Purushottam Karandak, Firodiya, Vinodottam Karandak, Street plays competitions etc.

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).

- Following are some of the development done in last three years
- AC Seminar Hall.
 - Up gradation of Staff cabins.
 - Granite flooring in the Main building.
 - Renovated Class rooms.
 - New Reception lobby.
 - IT enabled Class Rooms.
 - State of the Art Gymnasium.
 - Up gradation of Audio Visual Room.
 - Up gradation of canteen area and facilities.
 - Addition of new class rooms.
 - Construction of new sewage water treatment plant with 20,000 liters capacity per day.
 - Construction of bio gas and vermi-culture plant.
 - Upgraded Internet bandwidth.
 - Electrical Load extension from 110kVA to 200 kVA.
 - Building new and renovating ladies toilets.

Future Plan

- Residential facility for staff.
- Fully Wi-fi enabled Campus.
- Construction of additional parking shed for students.
- Construction of landscape garden and seating arrangement for students.
- Building new gents toilets.

Front view of Institute:

- **Master Plan of the Institute**

PUNE - SHIVAJINAGAR CAMPUS AT F.P. Nos. 546, 547, 871 & 875 Total area of land – 14 acres



4.1.4. How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?

- Following are some of the measures taken by Institute to meet the requirements of students/staff with disabilities
 - Special seating arrangement is provided in classrooms and laboratories; first row is reserved for physically handicapped students.
 - Lift, wheelchair, railing and ramp are also provided in the campus buildings for the convenience of students/staff with disability.
 - If a student is physically handicapped and taking examination, he or she may be provided a seat in an easily accessible ground floor room even if his/her seat is located in some other room on upper floors.
 - Separate washroom facility is available.

4.1.5. How does the College cater to the residential requirements of students? Mention Capacity of the hostels and occupancy (to be given separately for men and women)

- Boys and girls Hostels are provided to the students

1	Details of Hostel	Boys Hostel	Girls Hostel
	Capacity of the hostels	20	65
	Occupancy of the hostels	20	62
2	Recreational facilities	Indoor and Outdoor games, reading area, recreation Hall.	
3	Facilities for medical emergencies	Doctor and ambulance on call is available in case of emergency. First Aid, Medicines are available. There are two hospitals within the radius of 1 km from the college; one of them is under the management of the college (MOU). Medical facilities are available for all students and staff at that Hospital. In case any emergency student / staff is immediately transferred to the Hospital.	
4	Available residential facility for the staff	NA	
5	Constant supply of safe drinking water.	Water supply is made available through PMC water supply line. Water Cooler with purifiers is installed.	
6	Security	24 hr gated security with security guard and CCTV cameras are provided.	

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?

- A health Centre is available within the campus during working hours. Doctor on call is available in case of emergency. First Aid and Medicines are available.
- There are two hospitals with in the radius of 1 km from the college; one of them is under the management of the college. Medical facilities are available for all students and staff. In case any emergency student / staff is immediately moved to the Hospital by Institute transport and attended immediately.
- Camps are arranged for health check-up, blood donation and yoga through external agencies in the campus every year. Hemoglobin checking workshops are conducted for girls.
- Gymnasium is catering to the needs of students and staff with modern equipment. The gymnasium is operated under the supervision of the Physical director.
- The counseling cell ensures facilities for the mental and emotional health of the students.
- The institution provides clean, laboratory tested purified water.
- Chalk dust free and well ventilated class rooms.

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.

- Most of the special units are provided with separate space each, with adequate facilities, in the campus, owing to their extreme importance in the overall growth of the institution.
- **IQAC:** Well equipped special office is assigned for IQAC with computer, Air Condition, Internet facility and communication facilities. All the documentary records are well maintained. The IQAC meetings are conducted in this office.
- **Grievance Redressal Cell:** The College has a Grievance Redressal Cell to redress the grievances of its stakeholders. The students approach the Cell to voice their grievances regarding academic matters, financial matters, health services, library and other central services. The Cell redresses the grievances by sorting out the problems. As a result of this the college has a pleasant, ambient

atmosphere and good work culture with mutual understanding among its stakeholders. Common suggestion boxes are kept in various important places like library, common room, reception counter etc. The heads of the department and vice principals take necessary action, if required, in consultation with the principal.

- **Women's Cell and Counseling centre:** The Institute has Women's cell and special Women's common room with facilities like drinking water, bed, toilets, health centre for women staff and girl students. Counseling centre with separate room has adequate privacy for student counseling. Both these have a separate space allocated in the student support center.
- **Career Guidance and Placement Unit:** The institute regularly conducts personal and group career guidance activities. Well furnished separate rooms are provided for Career guidance and placement cell where employment news and placement details of various companies are displayed. Students are guided by internal staff as well as expert from industry on various aspects such as **self-learning, personality development, wide options through Engineering, higher studies, placement aspects, preparing for campus placements etc.**
- **Health Centre:** A recognized doctor visits college on call. A First Aid kit is made available in office and in each department. There are two hospitals within the radius of 1 km from the college; one of them is under the management of the college. Medical facilities are available for all students and staff at the nearby Hospital. In case any emergency student / staff is immediately transferred to the Hospital by Institute transport and attended immediately.
- **Canteen:** Institute provides Canteen facility to the students as well as teaching and non teaching staff. It has spacious and properly maintained separate sitting halls for staff as well as students. A variety of food and snack items are provided at highly subsidized rates with good quality. It is run by an individual on contract basis after proper official formalities. It also caters to the programmes like seminars, conferences and workshops organized in the Institute.
- **Recreational spaces for staff and students:** Institute has spacious and accessible Centralized welcoming entrance lobby, Staff rooms in each department, indoor gymkhana, and cultural practice hall are some of the recreational spaces for staff. Boys' and girls' common rooms, cultural hall, outdoor seating arrangements, garden are the additional recreational places for the students.
- **Safe drinking- water facility:** The College provides safe drinking water for students, office & teaching staff of the college. The

institution gives priority for providing clean drinking water purified through the RO system and it is regularly tested from government agencies. RO purifying system is attached to all the water coolers and a general purifier for other usages. Rain water harvesting has been our prime concern and is in progress and a water tank with 25,000 liter capacity is installed.

- **Seminar Hall:** A well equipped air-conditioned seminar halls with LCD projectors and advanced audio-video facilities are available for conducting various programmes.
- **Auditorium:** Institute has spacious and air conditioned auditorium which has a seating capacity of around 507 students and all the main functions of the college are conducted here.

4.2. Library as a Learning Resource

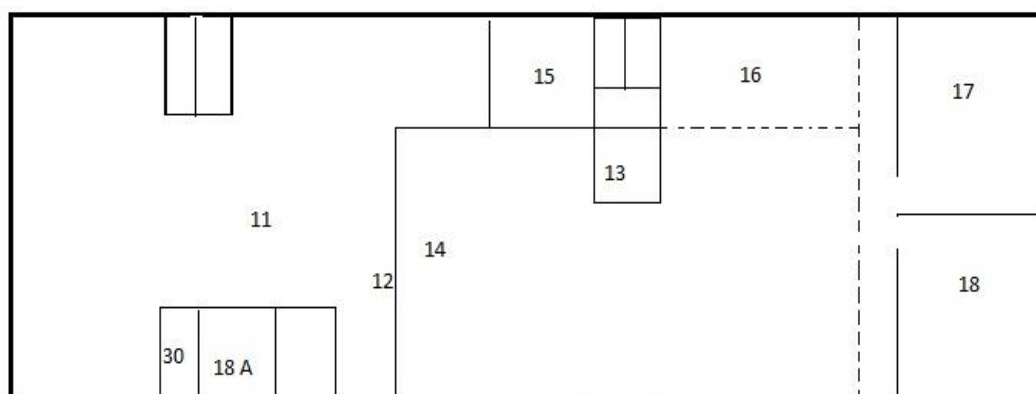
4.2.1. Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

- Yes. The Library Advisory Committee comprises the Principal, Chief Librarian, a few faculty members and student representatives. It is advisory in nature with regard to general updating, maintenance, purchase of books, journals, periodicals, etc. The Heads of the Departments and faculty members recommend for the bi-annual purchase of subject books.
- Some significant initiatives implemented on the advice of the Library Committee are:
 - Book Bank system is introduced for all students.
 - Internet connectivity is established for Library.
 - New journals, magazines and books have been ordered.
 - Periodical checking and maintenance are carried out as per recommendations of the library advisory committee.

4.2.2. Provide details of the following:

Total area of the library (in Sq.Mts.)	1118 Sq.Mts
Total seating capacity	300 students.
Working hours In:	
Normal Working days	8 AM to 8 PM without any break.
In vacations	10 AM to 5 PM
During exam times:	8 AM to 8 PM without any break, including Sundays and other public holidays.

Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differentlyabled users and mode of access to collection)	Each floor displays floor plan showing various sections. Each rack has adequate signage showing contents. All the area is provided with firefighting system. Ramps are designed for physically challenged users.
Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources).	as shown below



Particulars	Number of rooms		Carpet area per unit (sq. m)
	Requirement as per AICTE norms	Available in the institution	
Library	1	1	1118 sq. m

Library Layout		
18A	Library	Librarian
18	Library	Reading Hall-2
17	Library	Digital Library(Computer)
16	Library	News -Paper Reading Section
15	Library	Periodical Section
14	Library	Reading Hall-1
13	Library	Drinking Water
12	Library	Issue Counter
11	Library	Stack Room

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

- For procurement and purchase of books, the institution practices transparent methods. They are as follow:
- Periodical checking and maintenance are carried out as per recommendations of the library advisory committee.
 - The Heads of the Departments and faculty members recommend for the bi-annual purchase of subject books.
 - The library takes all necessary steps to purchase the latest required books.
 - The list of latest titles is acquired from the publishers and agents.
 - E-resources on the literature prescribed in the syllabi are also purchased.

The respective data for the last four years is given below.

Library holdings	Year -1		Year – 2		Year – 3		Year – 4	
	(2014-15)		(2013-14)		(2012-13)		(2011-12)	
	Number	Total		Total		Total		Total
		Cost	Number	Cost	Number	Cost	Number	Cost
Text books	539	2,93,500	4177	18,97,585	2908	12,82,215	2317	14,79,868.5
Reference Books	10	60,614.84	40	3,073,06.12	49	2,21,674.2	21	1,41,305.38
Journals/ Periodicals	149	3,67,825	149	3,52,905	134	3,74,923	152	6,93,739
e-resources	1)J-gate 2)Elsevier 3)IEEE ASPP 4)DELNET	9,18,218.88	1)J-gate 2)Elsevier 3)IEEE ASPP 4)DELNET	9,49,574	1)J-gate 2)Elsevier 3)IEEE ASPP 4)DELNET	9,49,674	1)J-gate 2)Elsevier 3)IEEE ASPP 4)Infotrac Mgt & Engg Collection 5)DELNET	7,84,872
Any other (specify)		60,000		69,424		54,200		54,200

4.2.4. Provided details on the ICT and other tools deployed to provide maximum access to the library collection?

OPAC	Yes
Electronic Resource Management package for e-journals	Yes
Federated searching tool to search articles in multiple databases	In Process
Library Website	Yes
In-house/remote access to e-publications	Yes
Library automation	Yes
Total number of computers for public access	20
Total number of printers for public access	01
Internet bandwidth/speed	70 Mbps
Institutional Repository	Yes
Content management system for e-learning	Yes
Participation in Resource sharing networks/consortia like	Yes
Digital Library	Yes

4.2.5. Provide details on the following items.

Average number of walk-ins	250-300 /day
Average number of books issued/returned	350 transactions per day
Ratio of library books to students enrolled	5:1
Average number of books added during last three years	8000/year.
Average number of logins to OPAC	(Approx) 150/ day.
Average number of logins to e-resources	30 /day
Average number of e-resources downloaded/printed	500 Mb /day
Number of information literacy trainings organized	03
Details of "weeding out" of books and other materials	1040 books every 5 years

4.2.6. Give details of the specialized service provided by the library.

Manuscripts	Yes
Reference	Yes
Reprography	Yes
ILL (Inter Library Loan Service)	Yes
Information deployment and notification	Yes
Download	Yes
Printing	Yes
Reading list / Bibliography Compilation	Yes
In- house / remote access to e-resources	Yes
User Orientation & awareness	Yes
Assistance in searching Databases	Yes

4.2.7. Enumerate on the support provided by the Library staff to the student and teachers of the college.

- The Library is equipped with the required human resource which is skilled and properly trained for the job. The librarian is assisted by three library assistants, clerk, and two peons.
- The librarian maintains purchase details, accounting of books, register of maintenance etc.
- The clerks assist the faculty and students with issuing of books, in locating books, and in photocopying. For the smooth functioning of the library following services are also provided by the staff.
- All books are bar-coded and automated with the Software SLIm 21 programme. This software helps in easily tracing, reserving a book, daily transaction based on barcodes.

4.2.8. What are the special facilities offered by the library to the visually/physically challenged Persons? Give details.

- Institute provides circulation and reading room facility at the Departmental Library to the physically challenged persons. Also, there are audio versions of some material available in the library.

4.2.9. Does the library get the feedback from its users? If yes, how is it analyzed & used for improving the library services. (What strategies are deployed by the Library to collect Feedback from users? How is the feedback analyzed & used for further improvement of the Library services?)

- Yes. A periodic feedback is instrumental in the improvement of any facility and service. Therefore, the following methods are used to get a feedback from the staff and the students.
- A Suggestion box is kept in the library which is opened once in a month.
- In addition to this, the students can freely approach the librarian about the services they want in library.
- The written suggestions are analyzed by the library committee for the necessary actions.
- The outside users can also give their suggestions through either of the channels.
- At the end of every month the suggestion boxes are opened and they are brought to the notice of the librarian, the library committee and the Principal, if required and relevant decisions/ actions are taken into account.

- As per the suggestion from the students, library has extended reading hall timing, issuing books for night reading purpose.

4.3. IT infrastructure

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.
- Standalone facility.
- LAN facility.
- Wi-Fi Facility.
- Licensed software.
- Number of nodes/computers with Internet facility.
- Institute has up-to-date computer facility with latest configurations and separate computer labs in each department with necessary licensed software and Wi-Fi facility.
- Intranet is used as a backbone with fiber optic network to provide Internet facility to all the departments.
- In all the departments computer labs are having LAN with structured cabling.
- Following table gives brief about computer hardware and software in the Institute

Sr. No.	Particulars	Details / Quantity
1	Number of computers	1130 computers + 15 Laptops + 14 Servers TOTAL = 1159
2	Computer-students ratio	For U.G. as per AICTE norms 1:6 , Total no. of students – 3024 Required computers for U.G.: 504 Available no. of computers – 550 For P.G. as per AICTE norms 1:4 Required computers for P.G.: 140 Available no. of computers : 150
3	No. of machines on LAN	1000
4	No of Standalone Computers	130

5	Configuration	Lenova I5 processor with 4GB RAM and 500GB HDD Lenova core 2 duo processor with 4GB RAM and 320GB HDD
6	Licensed Software	Application : 56 System : 30
7	Peripherals	Printers : - 131 LCD Projectors :- 17 Scanner :- 12
8	Numberofnodes/computerswithInternetfacility	TOTAL = 1000
9	Wi-Fi Facility	Wi-Fi Facility is available

4.3.2. Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- Following internet facilities are made available to faculty and students:
 - Every computer in the campus is connected to Internet facility. Institution provides leased line Internet connectivity to staff and students 70 Mbps bandwidth.
 - Central Computing facility is available for extended hours and on holidays to support staff and student for their academic and co-curricular and extra-curricular activities.
 - Every department has separate computer lab with internet facility which is utilized by students and staff for academic activities like project & research work. All the departmental laboratories are connected with high speed optical fiber network.
 - Security solutions like Firewall, Content Filtering and Intrusion Detection are implemented to prevent misuse of internet.
 - All the computers are equipped with Licensed Antivirus and regular updates are downloaded and installed on the computers.
 - System and application software are regularly procured as per requirement of the curriculum.
 - Students are motivated to use free open source software and tools.
 - The College has a digital library facility and access to various e-resource packages like J-Gate, Science direct, IEEE ASPP, DELNET, ACM, ASME is made available to staff and students in campus and off campus.

4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The institution plans to address network infrastructure improvements at the campus level to enable high-performance end-to-end access to network services. These networking improvements include the following types of activities:
 - Upgrading IT infrastructure for virtual learning environment through a series of webinars and online tutorials in collaboration with NPTEL and spoken tutorials.
 - Launching a paperless campus project.
 - Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technical assistant /system administrator.
 - The optimal utilization is ensured through encouraging innovative teaching learning practices.
 - Up-gradation of hardware, network and software infrastructure is done continuously.

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)

Particulars	2011-12	2012-13	2013-14	2014-15
Annual Budget Procurement maintenance of the computers and their accessories (Rs.)	1820300	2065651	935118	1246054

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?

- All the class rooms are well equipped with ICT facilities. All Staff rooms have the facility of computing and Internet connections.
- Technically supported learning environment is effective as it enables the use of wide range of teaching aids like CDs, presentations, Movies, e-learning resources like NPTEL, spoken tutorials, You Tube Video lectures etc.
- Student automation system is used for online registration of the students.
- Wi-Fi Campus, High speed Internet Access, access to Webinars, Virtual class rooms, Digital Libraries facilities are provided.

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 spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- The institution has always emphasizes on a student centric teaching learning process. Following are some of the learning activities conducted at the institute:
- The institute encourages the staff and technical assistants to undergo training on the computer-aided teaching and conducts departmental seminars and workshops on computer applications.
- Well equipped computer Labs, LCD projectors are available to the faculty for conducting seminars, workshops, and computer aided training, faculty development programs and conferences.
- The E-Journal and E-Library facility is available for both students and faculties.
- Individual e-mail correspondence is done with students for giving them inputs, referring required books/resources and answering their specific questions.
- The campus has secured access to internet facilities for accessing online resources.

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?

- The Institute is planning to avail this facility of the National Knowledge Network connectivity in future. This will develop our teaching standard and ultimately improve the teaching-learning style.

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 and details of budget allocated during last four years)

- A review of the requirements of infrastructure is done before the commencement of each academic term. Details of the budget allocated for infrastructure

Details Budget Allocated for Infrastructure in Rs.

Sr No	Particulars	2011-12	2012-13	2013-14	2014-15
1	Building	30436150	3357145	4118251	42720046
2	Furniture	5463550	35861	37539	502894
3	Equipment	297700	13699	15592	146096
4	Computers	46800	1469	8794	241533
5	Vehicles	43500	2343	2683	22557

4.4.2. What are the Institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- The Institute's Purchase Committee identifies the need for annual maintenance of Physical Infrastructure and the estimation therein is sought as Budget allocation.
- Based on the need, assessment for proper maintenance of equipment, furniture, laboratories and class rooms; budget provisions are made to each department. Annual maintenance contracts are arranged for a few equipment break-down call arrangements are made for optimal use of the resources.
- The Purchase Committee meets twice a year and assesses the optimal utilization of budget allocated for various activities. The Institute has state of art workshop which takes care of furniture.
- The Institute has also appointed maintenance staff as following: Store keeper, System Administrator, Electrician, Mason, Plumber, Carpenter, Gardener and Driver. Sweepers are appointed for maintenance of restrooms and service areas. Building security is done on contractual basis through private security agency.
- For critical maintenance & troubleshooting of computers external agency support is taken. The Institute has appointed Certified Diploma holder Technical Assistants (ratio 40:1) and Lab Attendants for the maintenance of computers and equipment.

4.4.3. How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?

- Annual maintenance contracts are arranged for a few equipment break-down call arrangements are made for optimal use of the resources.

- For critical maintenance & troubleshooting external agency support is taken. The Institute has appointed Certified Diploma holder Technical Assistants (ratio 40:1) and Lab Attendants for the maintenance of computers and equipments.
- Whenever some new laboratory instruments are purchased the faculty members and technical assistants are properly trained by the company technicians. Routine maintenance and calibration are carried out on a regular basis by the staff members and technical assistants.
- The equipments and measuring devices used for practical are verified at the start of the term with calibrated equipments to ensure they are fit for use.

4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- Following are some of the major steps taken for location, upkeep and maintenance of sensitive equipments:
- Sophisticated laboratory instruments are located in dedicated Instruments Rooms with air conditioning facility and with stabilized electric supply and Online UPS system.
- The whole college building has stabilized electric supply.
- The college has 24 hour generator back up.
- Fire extinguishers are provided at multiple locations as per requirement.
- Multiple exits in case of emergency are provided.
- Firefighting equipment training is provided.
- Exit signs and floor indication boards are given at strategic locations.
- Electricity: - 3-Phase line with LT 45 kW electricity supplies from Maharashtra State Electricity Distribution Co. Ltd.
- Power Backup: - Power back up from two Kirloskar Genset 200 KVA, 62.5KVA (50 Hz).
- Water supply: - Municipal Corporation water supply is available in the campus round the clock and it is utilized for drinking purpose after filtration. Beside this bore well water is also available in campus, which is used for all purposes other than drinking.

Other Information Regarding Infrastructure

- **Parking:** Ample covered parking space is provided for parking of two wheeler and four vehicles for staff and students.
- **Banking and ATM and Post Office:** A branch of Bank of Maharashtra is located in the campus, ATM Center and Post Office is located nearby College campus.

- **Telecom Facilities:** Telecom facilities are also available with the institute facilitating communication inside and outside of campus.

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?

- Yes, the Institute publishes its updated prospectus annually and information about the Institute is displayed on the Institute website www.moderncoe.edu.in, which gives the clear picture about the Institute.
- Prospectus: Institute prospectus consist of brief information about
 - Profile of parent society.
 - Mission and Vision of the Institute.
 - Institute details.
 - Courses provided with the Intake Capacity.
 - Various Activities conducted by Department and the Institute.
 - Infrastructure and laboratory details.
 - Admission procedure.
 - Anti-ragging Information.
 - Awards and achievements of the student in brief.
 - Website: The Institute website consists of detailed information about the Institute.

The Institute conducts orientation program, awareness program and 'Praveshacha Gateway' for the students and parents regarding road map for admission to engineering and management courses.

The Institute arranges Induction Program for newly admitted students along with their parents so that they are well acquainted with all the departments, Institute facilities, various activities held in the institute, scholarships offered, training and placement opportunities and rules and regulations of the institute. Fresher are also given an opportunity to interact freely with the pass out students for guidance.

Different committees constituting of staff members and students are established to look after proper functioning of the institute activities. These committees meet regularly to review the progress of the on-going activities so that the performance is upgraded.

5.1.2. Specify the type, number and amount of institutional scholarships/free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

- The Institute strictly follows the rules set by the government for socially and economically backward students. The institute also provides a fee waiver (up to 50%) to the children of teachers/society members.

Details are mentioned below:

Type of scholarship/fee	Year	%	No. of students
Fee concession to the children of teachers/society members	2011-12	50%	2
		25%	2
		10%	Nil
	2012-13	50%	Nil
		25%	4
		10%	1
	2013-14	50%	Nil
		25%	6
		10%	Nil
	2014-15	50%	Nil
		25%	7
		10%	1

5.1.3. What percentage of students receives financial assistance from state government, central government and other national agencies?

- Almost 50% of the enrolled students avail financial assistance from state government, central government and other national agencies.

Gate qualified student can avail PG scholarship from AICTE.

5.1.4. What are the specific support services/facilities available for

- The Institute provides continuous support and services/ facilities to various students with the goal of educating the students for future employability; enhancing the capabilities and overall development of the students.
 - **Students from SC/ST,OBC and economically weaker sections**
 - As a part of initiative by Confederation of Indian Industries (CII) affirmative action on grooming/councelling of students from reserved category

in soft skills has been initiated by CII in association with Symbiosis group. Every year more number of students participates in this activity. The wider impact of this activity is the high level of confidence and competitive nature of these students. A certificate is issued to the students, by CII – Symbiosis with more than 80% attendance in the training sessions.

- Fee concession, Merit as well as Scholarship is provided to the SC/ST, OBC and economically weaker sections, from state government, Samaj Kalyan Vibhag.
- Institute gives book facilities for students under book bank scheme from library and Samaj Kalyan Vibhag.
- Institute has enthusiastically undertaken the scheme of earn and learn under Savitribai Phule Pune University. Its objective is to develop student as multifaceted personality with academic excellence and commitment to an egalitarian society. Student work in different academic and administrative departments in the Institute and are paid monthly remuneration as per the SPPU norms.
- Institute also allows the students to pay the fees in installments for those who are unable to pay as a whole.
- **Students with physical disabilities**
 - The Institute is apt in infrastructure facilities for physically disabled students. Ramp, side rail, washroom, elevators, ambulance on call, wheel chair and headphone are the facilities provided.
 - In the class, staff ensures that the first row of the classroom is reserved for students with physical disabilities. If any special seating arrangement is required it is provided by the institute. Extra time is allotted to these students in the theory and practical examinations as per University norms. Student progress report is shared with the parents regularly by Guardian Faculty Member.
- **Overseas students**

Currently there are no overseas students in the Institute.
- **Students to participate in various competitions/National and International:**
 - Students are encouraged to participate in various competitions, curricular, co-curricular and extra-curricular activities like paper presentation, workshops, seminars, sports and cultural activities at different levels organized by the Institutes and other Institutes.
 - Institute supports and helps students at each level with all necessary guidance and facilities like Central Library. It

subscribes various e-resource packages for Engineering and Management like J-Gate, Science direct, IEEE ASPP, DELNET, ACM, ASME, IEEE access.

- Skill development programs, equipment for laboratory work and laboratory access is also provided beyond working hours. Faculty members are delegated to mentor and guide the students at every step.
- **Medical assistance to students**
 - A Health Care Centre is available within the campus of the institute.
 - Full time Doctor on call is available in case of any kind of emergency.
 - First Aid, Medicines and Ambulance are available in the institute.
 - Stock Registers and Usage Registers are regularly maintained for the medicines and first aid kit.
 - There are two hospitals within the radius of 1 km from the Institute; one of it is under the management of the college.
 - Medical facilities are available for all students and staff in that Hospital. In case of any emergency student / staff is taken immediately to the Hospital by Institute transport and attended immediately.
 - Camps are arranged for blood donation, health checkups and yoga through external agencies in the campus every year.
- **Organizing coaching classes for competitive exams**
 - Institute does not conduct extra coaching classes for competitive exams but the information for GATE/CAT/GRE/TOFEL/GMAT is shared with students through notice board displays, social media group messages and through Training and Placement cell.
 - The institute library is well equipped with a variety of books and e-resources which help students to appear and prepare for different competitive examinations.
 - The internet facility is also available for student to download the required material, research papers, study material etc. The faculties of the institute provide the guidance to the students.
 - Guest lecture are arranged for students to understand methodology for competitive examination. Many of our students have secured high score in these examinations and pursuing their higher studies in other national and international Universities.
- **Skill development (spoken English, computer literacy ,etc.,)**
 - The Institute also takes initiative in skill development of

- the students.
- Skill development courses are included in the syllabus for the undergraduate and post graduate courses as stipulated by the Savitribai Phule Pune University.
 - Soft skill sessions are arranged for students in every department.
 - The Institute also conducts Life Skill Management Session regularly to train students both for academics and to enhance their life skills.
 - These training sessions are useful to establish clear realistic goals for their personal and professional life. These sessions bring out an overall improvement in students' communication skills and personality which boosts their confidence.
 - They learn to manage their stress through the use of relaxation techniques of Yoga.
 - **Support for “slow learners”**
 - For each term, every department allocates GFM (Guardian Faculty Member) from the teaching faculty with whom students can take feedback about academics and personal issues.
 - GFM along with the subject teacher identifies the slow learners and guide them accordingly.
 - They are given extra attention by consulting sessions, giving assignments, as well as homework.
 - Books are provided from department library.
 - **Exposures of students to other institution of higher learning/corporate/business house etc.**
 - The students are encouraged for higher education, different competitive exams, paper presentation, project competitions and exhibition, seminars, webinar and workshops held at other Institute.
 - Institute staffs always help students to review papers.
 - IEEE website accesses are given to the students to understand and increase the subject knowledge.
 - Every year Industrial visits are arranged for students which help to interact with Industry eminents.
 - Students are encouraged to undertake their final year projects in Industry.
 - NPTEL lectures are conducted for students and staff.
 - Students are motivated to complete short term internship in various industries and government organisations.
 - **Student Magazine**
 - Every department encourages students to publish departmental newsletter bi- annually.

- The Institute publishes its annual magazine 'Karmany' which is designed and edited by students.
- Our students have designed a Technical Calendar which gives the information regarding all technical events.

5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- The Entrepreneurship Development Cell (ED-Cell) of Institution is established with the aims to encourage entrepreneurship culture among the students, to provide a platform to become an 'Entrepreneur' as an alternative career.
 - Institute arranges Industrial visits to give exposure to the students for recent technology and development.
 - Institute invites eminent experts from Industry as well as academicians to deliver expert lectures.
 - Institute arranges guest lecture to encourage and develop entrepreneurial skills within student.

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**
Students who are participating in sports, curricular and extra-curricular activities are supported by giving them extra guidance. Extra time is given for assignments submission.
- **Special dietary requirements, sports uniform and materials**
Sports kits, accessories and assistance are provided.
- **Any other**
All extra and co-curricular activities at the Institute are the source of pride for the Institute and the community. They are a vital extension of the student's ability and progress. Extra and co-curricular activity reveals the character of the individual and often encourages and enhances classroom growth. A participant will share responsibility in the actions of any group or individuals which develops their team management skills.

Institute help student to groom these qualities through different activities listed below:

- Cultural activity "Spandan" conducted yearly.

- To groom the qualities of female student different lecture series are conducted under 'Vidyarthini Vyaktimatva Vikas Yojana' of SPPU.
- Equal opportunities are given to both male and female students.
- Street plays are conducted on "Respect for women in society".
- Medical Awareness programs conducted for girl students regarding the Psychological and physical health. Awareness on
 - diet for girl students.
- Eco friendly activities such as Ganapati Idols making workshops and Tree plantation, Smart city competition, PUC camp, construction of compost plant, Swachh Bharat Abhiyan, creation of Green zone are organized for staff as well as students in the institute.
- The National Service Scheme (NSS) is an independent service scheme for the students and development of their personality through Community services. The aim of the NSS is 'Not Me But You'.
- NSS unit conducts different programs such as river cleaning, Online Tarunai'- Communication of Pune Police with Youth, traffic awareness program, I-Vote Campaign, Cleaning of Surroundings, HIV /AIDS awareness program, blood donation camp, marathon-pulsathon, IT awareness program etc.
- Students are encouraged to participate in various sport activities which are conducted at Institute, Zonal, University, State, and National and International level.
- The techno management event is organized every year which is entirely students' event.
- 'Community Development' Program started under 'WIE' (Women In Engineering), Affinity Group IEEE (Institute of Electronics & Electrical Engineering) Bombay Section.
- Special Winter Camp At-Mavadi (K.P.), Tal. Purndar with the theme of 'Clean and healthy India'.
- Under the 'Joy of giving' the students and faculties donate cloths, toys, books and money to the needy people.

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-CSIR-NET, UGC-NET, SLET, GATE/CAT/GRE/TOFEL/GMAT/ Central/State services, Defense, Civil Services etc.

- Students are encouraged to appear for competitive exams like GATE /CAT /GRE /TOFEL /GMAT/ Central/State services, Defense, Civil Services. Individual department keeps the track of students who have appeared and passed these examinations. Many of our students are pursuing further studies in reputed foreign universities.

- The institute library is well equipped with a variety of books and e-resources which helps students to appear and prepare for different competitive examinations.
- Library has reading room facility for extended hours and is open on all holidays as well during examination period.
- The internet facility is also available for student to download the required material, research papers, study material etc. The faculties of the institute provide guidance to the students.
- Guest Lectures are arranged by each department to encourage and help students for preparation of these examinations.

Following is the data of students appeared and qualified in various competitive exams

Sr. No.	Year	Name of the Examination	Students appeared	Students Qualified
1	2014-15	Civil Services, Defense Exam, TOFEL, IELTS, CAT, GRE, GATE, CAT, SNAP, XAT, CDSE, CMAT, CET, JOB, MBA-Mht-CET	175	47
2	2013-14		119	38
3	2012-13		182	111
4	2011-12		108	60

5.1.8. What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

- The Institute has its own independent system for student support and mentoring. Student support and mentoring system starts from the day of admission to final year results.
 - The Institute conducts orientation program for the students and parents regarding road map for admission for engineering and management courses.
 - The Institute arranges Induction Program for newly admitted students along with their parents so that they are well acquainted with all the departments, Institute facilities, various activities held in the institute, scholarships offered, training and placement opportunities and rules and regulations of the institute. Fresher are also given an opportunity to interact freely with the pass out students for guidance.
 - Guardian Faculty Member (GFM) personally interacts with students, discusses and takes feedback about academic /subject progress. GFM also interacts with parents and reports the progress and misconduct if any. A parent's teachers meet is held once a month to discuss problems related to students and

report the progress of the student.

- Installment Scheme facility provides an opportunity to pay fee in easy installments. The students can pay the fees in two or three installments.
- The students who are financially weak can get a support from the 'Vidyarthi Kamava Shika Yogana' (earn and learn scheme).
- Training and Placement cell takes care of the student placement and training activities.
- The seminar, open house programmes, workshop information is shared through department notice board, social media group etc.
- The lectures from industry experts, seminars and workshop are conducted for students to enhance the subject knowledge /industry trends.
- The students can directly approach to mentor/GFM, head of department (HOD) and principal for support or guidance on the academic and personal issues.
- The Institute has Women Grievance Redressal Committee to solve issues related with girl students and female staff.
- The Institute has Anti Ragging Committee and Anti Ragging Squad where students can report directly in consultation with GFM and HOD. Anti- ragging and anti smoking boards are displayed in the Institute campus.
- Counseling cell is established in the Institute. It has a separate room with adequate privacy.
- The Institute also conducts Life Skill Management Session regularly to train students not only for academics but to enhance their life skills.
- Relaxation techniques are taught through Yoga Sessions which are beneficial to manage their stress.
- Each department has Continuous Mentoring Programme (CMP) which takes care of student's academic personal career and psychosocial needs. Under this programme, every teacher of the particular department works as a mentor.
- This helps in promoting better report between the teachers and students and ensuring personal care and counseling.

5.1.9. Does the institutional 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 selected during campus interviews by different employers (list the employers and the programmes).

- Institute has Training and Placement Cell, which constitutes departmental placement coordinator and is headed by Training and Placement officer. In-campus and off-campus schedules, job fairs information, individual company level selection schedules are shared with the students through notice board, social media group and e-mails.

Each department arranges expert lecture for career guidance and placement.

Following is the campus interview selection details.

Year	2014-2015		2013-2014		2012-2013		2011-2012	
Discipline	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell
Computer Engineering	40	17	38	19	40	13	35	33
IT	69	14	24	12	60	13	90	20
Electronics & Telecommunication Engineering	46	20	52	28	32	5	55	23
Mechanical Engineering	55	18	65	17	42	10	42	11
Electrical Engineering	126	12	30	6	5	1	18	5
MCA	115	18	28	18	33	11	45	13
MBA	52	10	17	4	21	1	15	6

List of Employers				
Wipro	TCS	Tech Mahindra Ltd.,	Persistant	KSB Pumps Pvt. Ltd.
CMC Ltd	ZENSAR	Synogy India	FANDS INDIA Ltd.	Fleetgaurd Filter Pvt. Ltd
GS Lab	Quinnox	PSL	Magna Star	Billion Hands Tech.
Sasken	Ultra Software data Solution	Ambitious Electric Company	Yardi Solution	Webonise
Unicus Internet Solutions.	Vard Infotech, Pune	Symantec Corporation	Webtech Developers	Crestmedia
EQ Technologic	Solutionsline Softech Pvt. Ltd.	Smart Cloud Infotech Pvt. Ltd.	AlChemist	AGS Technologies
Arun Infotech,warje	FANDS INDIA Ltd.	PDPC	PUBMATIC	FLEXITRONICS
Bosch India Pvt. Ltd.	Varad IT Solutions	Delval Flow Control Ltd	MILLENNIUM SEMICONDUCT ORS	GTL LTD
KPIT Cummins	Muthutoot Finance	Sulzer Pvt. Ltd.	Adhril	VRF Aircon Pvt. Ltd.
Harbinger group	Persistent Systems Limited	Tavisca	SMALL TO BIG	Autodesk Asia Pvt. Ltd.
Mithi Software	ESS	riis-retail.com	Quickheal	Unicus Solution
CIB job Fair	SmartCode	CIB job fair 2	Behr Pvt.Ltd	Mahindra Conveyor System Pvt. Ltd.
Wi-Fi Solutions	QED	MOBISOFT	Cuelogic	Eternus Solutions Pvt Ltd
SIMENS	Job Fair	GSLab	SOFTUSVISTA	Nielsen
Tavisca	Tech-Mahindra	ZCON Solutions	Syntel	Vertis Microsystems
KEC International Pvt Ltd	Pragmatic solution	Redbytes Software pvt ltd	TCTSL	The Alchemists Ark
Globussoft Technologie	XL DYNAMICS	Prognoz Technologies	TOPOGRAPHICS	Talent Corner HR Services Pvt Ltd
Neilsoft Ltd	Ashore Systems Private Limited	Behr India Ltd.	ZICON	Mahindra Tsubaki Conveyer systems Pvt Ltd.
Cheasy Solutions	Kanaka Consulting	Drivedge	Ample Solution	iAsys
PEOL Technologies Pvt Ltd	DTDC International	Bitwise	Matrix Zero One Systems Ltd	Mayur Renergy Solution 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.

- Yes, as per AICTE, New Delhi Notification F.No. 37-3/Legal/2012 dated 25/05/12 With reference to Letter No. CA/8233, dated 26/12/2012 of University of Pune and notification of the All India Council for Technical Education, New Delhi, F.No. 37-3/Legal/2012 dated 25/05/12 the following coordinator for 'Grievance Redressal committee' is nominated by the institute for the purpose of redressal of grievances of the students, parents and others.

College Coordinator – Prof.Dr.Mrs.M.V.Arjunwadkar
 Email id – maithili.arjunwadkar@gmail.com
 Contact No. 9960611275
 Progressive Education Society,

Modern College of Engineering, Shivajinagar, Pune - 411005.

Following link provides details of Grievance Redressal Committee as per AICTE Regulation 2012.

http://www.unipune.ac.in/admin/Circular/Scan0351_26-12-12.pdf

The duties, responsibilities and procedure of the committee have been given in the AICTE notification.

The aggrieved students or person may make an application seeking redressal of grievances to the member secretary of the committee.

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

- Institute has the student grievance redressal cell. The students are free to drop their grievances in the suggestion box provided in the department. Students are also free to share their grievances with the class teachers.

- **Women's Grievance Redressal Cell**

- The cell deals the cases/ complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the institute.
- Women's Grievance Redressal Cell has 70% female members and provides assistance to the Institute for taking preventive steps in the matter of gender discrimination and sexual harassment.
- The necessary preventive and corrective action is taken after issues are discussed in the concerned cell.
- Healthy environment is provided.
- The CCTV cameras help the authorities to monitor the safety of staff and students in the campus.
- A "Self Defense Event" is arranged for girls. This helps them to improve self-confidence which is required to protect themselves from today's mishaps.
- In this training, sessions are conducted to enhance the power & physical empowerment.

Woman's Self Defense Training Program -

Sr.No.	Activity Name
1	Basic fitness exercise
2	Basics of karate
3	Self Defense Techniques

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?

- An anti-ragging committee has been formed in the college, in which the Principal is the Chairperson, Vice Principal, teaching, non-teaching

staff members, Students, parents, Local police, civil authorities are the members as per the directions given by AICTE.

- Two Anti-ragging squads for Vigilance which comprise teaching and non teaching staff members for monitoring the vulnerable points like canteen, parking places, play ground, hostels etc. to prevent ragging
- At the beginnings of the semester students are supposed to submit the affidavit for anti-ragging. During the orientation program students are informed regarding anti ragging committee and anti ragging squad. Students are always under the supervision of the teachers and staff. No such single incidence has been reported for last five years.

5.1.13. Enumerate the welfare schemes made available to students by the institution.

- GFM (Guardian Faculty Member) from the teaching faculty with whom students can interact, discuss and take feedback about academics and personal issues.
- GFM along with the subject teacher identifies the slow learners. All the staff pays more attention towards such students and provide an extra guidance. They are given extra attention by giving assignments, discussions, as well as homework.
- As per the Government rules assistance for various scholarships and related grievances are provided regularly.
- Installment Scheme facility provides an opportunity to submit fee in easy installments for the students who cannot submit their full fees. The installments may be two or three to facilitate the student.
- The students who are financially weak can get a support from the 'Vidyarthi Kamava ShikaYogana' (earn and learn scheme).
- Merit and needy students are offered book bank scheme from library and from Samaj KalyanVibhag.
- Library provides free reading room facility for extended hours and on all holidays.
- Central Library subscribes various e-resource packages for Engineering and Management like J-Gate, Science direct, IEEE ASPP, DELNET, ACM, ASME, IEEE access.
- Students are given easy access to computer and internet facility.
- Classrooms are equipped with ICT resources to facilitate better teaching-learning environment.
- The Institute is having health insurance scheme for the students.
- Health care center is available.

- Sick room and first aid box are available in the Institute campus. The Institute has MOU with Ekbote Hospital for health care.
- Sports kits, accessories and assistance are provided. The institute has full time physical director.
- Gymnasium facility within the campus.
- Students are encouraged and permitted to attend workshops, seminars, conferences, cultural and sports activities arranged within and outside the institute
- Students are awarded by the Institute as well parent society in their annual functions.
- As a part of Confederation of Indian Industries (CII) affirmative action on reservations in Private Sector for SC/ST students, CII in association with Symbiosis group started grooming students of Engineering, MCA and MBA for improving their soft skills. A certificate is given to the students by CII – Symbiosis having over 80% attendance in the training sessions.
- Counseling cell of the Institute deals with various problems of the students. It provides solution on various issues faced by the students at different fronts.
- Extra guidance is provided to academically weak students.
- Vehicle parking space is provided within the campus.
- The Institute provides 'Hostel facilities' for the students.
- The College has special Women common room with facilities like drinking water, bed, toilets. Yoga center and health center are provided for female staff and girl students.
- Round the clock security arrangements are provided in campus premises as well as in the hostels.
- Training and Placement Cell provides assistance for their placements and trainings are conducted regularly to groom the students.
- Canteen facility is provided in the Institute campus.
- Laboratories are well equipped with required equipments. Safety of the student while working is taken care of. There are caution signs and instruction charts are displayed wherever necessary. Each lab has a lab assistant who oversees while the students are working in the lab.
- Separate space / rooms along with necessary facilities are provided for different clubs. Ex- Robocon, BAJA and Art Circle.
- Student Association is formed in each department which arranges different activities extracurricular and co-curricular for the students like expert lectures, soft skills sessions, awareness

programs, and alumni meet and farewell of final year students.

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?

- Yes, Institute has registered Alumni Association. Alumni Association meeting is held once in a year. The objectives of Alumni Association are displayed on the Institute website,

- List of activities and Contribution of alumni towards Institute:

Academic Year 2011-12

Sr. No.	Name of Alumni	Year of Graduation	Name of the organization	Designation	Purpose of Visit	Date of visit
1	Mr. Gurman Liddar	2008	Infosys Software Ltd.	Software Engineer	Helped in arranging industrial visit to Infosys.	11.8.2012
2	Mr. Ashish Bhutkar	2005	SunGard Availability Services	QA	Cultural Guidance	20.01.2012
3	Mr. Hussain Haideri	2006	Softtronix	Software Developer	Guidance for C-On-Test	10.12.2011
4	Mr. Ashish Gokhale	2006	Synerzip	Sr. Software Developer	Judge for project competition	17.02.2012
5	Aditya Adavi	2007	Bosch	Lead Consultant	Given Seminar on 'Personality Development and interview Techniques	March, 2012
6	Rajendra Thakurdesai	2007	Infosys	Manager		March, 2012
7	Jitin Pillai	2010	NityaLabs Pvt. Ltd.	Director	One of the Panel members for the Project Exhibition 2K12	Apr-12
8	Tejas Gugale	2010	S.S. Controls Pvt. Ltd.	Design and Development Engineer		
9	Pratik Kambale	2011	NityaLabs Pvt. Ltd.	Android Application Developer		
10	Shounak Sharangpani	2010	TwinTech Control Systems Pvt. Ltd.	Executive Director Research and Development		
11	Kedar Kendhe	2010	Sasken Communication Technologies Ltd.	Software Engineer		
12	Deshmukh Swapnil	2010	NityaLabs Pvt. Ltd.	Android Application Developer, R & D		
13	Arun Muralidharan	2009	Amdocs Ltd.	Software Engineer		

14	Shreyas Thakar	2009	Wipro Technologies, Pune	Software Engineer	Guest lecture on 'Guidance for GRE and TOFEL exam' to TE students to BE students	5/8/2011
15	Avinash Kharat	2009	Modern College of Arts, Commerce, Ganeshkhind, Pune.	HOD	Ph.D guidance	Sep-11
16	Bhalchandra Bite	2009	AISSMS	Asst. Prof.	Ph.D guidance	Sep-11
17	Kaushik Dahale	2009	KPIT	Senior Business Analyst	Interaction and specialization guidance	Jan-12
18	Dhiraj Gosavi	2008	Expert Talent Development Consultant at Allscript India Pvt. Ltd.	OD & Management Consultant	OD Intervention	Feb-12
19	Mihir Joshi	2011	IMS Learning Resources Pvt. Ltd.	Faculty Head	Guest Lecture	Oct-12
20	Tanmay Datar	2011	Datar Engineering	Director	Inspiration Speech- MESA Inauguration	15th Sept 2012
21	Meenal Kambale	2004	Custom Office	Custom Officer	Competitive exam Preparation – UPSC	Jan-12
22	Khatri Harshvardhan Ashok	2010	Amazon.com,	Business Intelligence Engineer	Guest Lecture	6.8.2011

Academic Year : 2012-13

Sr. No.	Name of Alumni	Year of Graduation	Name of the organization	Designation	Purpose of Visit	Date of visit
1	Mr. Yogesh Chavan	2003	Credit suisse	AVP	Examiner	4.06.2013
2	Mr. Sarang Khunte	2007	Principle Financial Group	Consultant	Judge for contest in department	14.02.2013
3	Mr. Vishal Vaidya	2005	HSBC Software	Software Developer	Judge for project competition	11.04.2013
4	Mr. Hussain Haideri	2006	Softronikx	Software Developer	Guidance for C-on-Test	10.12.2012

5	Mr. Ojas Deo	2006	Infosys, Pune	Software Developer	Judge for project competition	11.04.2013
6	Shounak Sharangpani	2010	TwinTech Control Systems Pvt. Ltd.	Executive Director Research and Development,	One of the Panel members for the Project Exhibition 2K13	25/03/2013
7	Jitin Pillai	2010	Nityaa Labs	Director		
8	Aniket Nene	2011	TwinTech Control Systems Pvt. Ltd.	Engineer, R&D		
9	Ashish Bramhapurkar	2012	Infosys	System Engineer		
10	Nitesh Dula1	2010	Zensar Technologies	Software Engineer		
11	Manoj Kale	2009	Cisco Systems	Cisco Mobile Wireless Technologies Support		
12	Amit Upadhye	2008	TCS,Pune	Software Engineer	Guest lecture on Trends in IT Sector to TE students	18/09/2012
13	Vallabh Jagjampi	2009	LIC	Agent	Client generation	Aug-12
14	Snehal Kulte	2011	First Gulf Bank, UAE	Business Analyst	Inputs on IT as specialization	Sep-12
15	Sushmita Bharati	2009	Forgeahead Solutions	HR Manager	Counseling for Placement	Feb-13
16	Amruta Potphode	2009	KPM Cummins Infosys Ltd.	Bizz HR	Importance on Training and Development	Feb-13
17	Nikhil Mayur	2011	HUL, Daman	Area Manager	Inputs on Marketing	Feb-13
18	Ameya Deshpande	2012	Fleet Guard Filter Pvt. Ltd.	Design Engineer	BE- UG Project-Guidance	Oct-13
19	Rishikesh Ranade	2012	Fleet Guard Filter Pvt. Ltd.	Design Engineer	BE-UG Project-Guidance	Oct-13
20	Yogeshwar Hagawane	2012	Fleet Guard Filter Pvt. Ltd.	Design Engineer	Project-Guidance SAE TEAM	July-oct 2013
21	Tejas Shinde	2012	Be/hr India Ltd.	CAE Engineer	Project-Guidance SAE TEAM	July-oct 2013
22	Ajinkya Belsaare	2012	Be/hr India Ltd.	Design Engineer	Project-Guidance SAE TEAM	July-oct 2013

Academic Year : 2013-14

Sr. No.	Name of Alumni	Year of Graduation	Name of the organization	Designation	Purpose of Visit	Date of visit
1	Dr. Niyati Chhaya	2008	Adobe systems, Bangalore	Research & Development	Seminar on Business Intelligence	18.01.2014
2	Mr. Rohan Karnataki	2004	Hindavi Technologies	CEO, Founder	Interact with students regarding future in IT	1.03.2014
3	Mr. Gurmaan Liddar	2008	Infosys	Software Engineer	Interact with students regarding career in IT	1.03.2014
4	Audoodh Joshi	2006	BMC Software	Senior Software Developer	Guided students for selecting real world problems as project to develop	1.03.2014
5	Yogesh Chavan	2003	Credit suisse	AVP	Interact with student on Alumni Meet Day	1.03.2014
6	Ashish Bhudkar	2005	SunGard Availability Services	QA	Interact with students on Alumni Meet Day	1.03.2014
7	Mr. Ram Pradhan	2013	-	-	Judge Modern Cup	4.09.2013
8	Gaurav Khairkar	2012	Radio science and Engineering at Aalto University, Helsinki, Finland.	M.S. student	Delivered seminar on "Higher studies in Foreign countries"	8/23/2013
9	Ajinkya Patil	2010	PUMBA	Student at PUMBA, Pune	Judge for GD session	8/23/2013
10	Parag Sathe	2005	Imagination Technologies	Hardware Design Engineer	One of the Panel members for the Project Exhibition 2K14	Mar-14
11	Chaitanya Dhere	2012	Visteon Electronics	Staff Software Engineer		
12	Ashish Alate	2012	Computer Engineering at North Carolina State University	M.S. student		
13	Ashish Mahajan	2010	Infosys	Software Engineer		
14	Sachin Kadam	2010	Zensar Technologies	Software Engineer		

15	Bhalchandra Gunjal	2007	Demag Cranes pvt Ltd ,Pune	Engineer	Guest lecture on SCADA and its recent trends	27/10/2013
16	Yash Gokhale	2010	BNY Menon		Placement	
17	Snehal Kulkarni	2013	Sigma Electric Manufacturing Corporations	Trainee HR	HR guidance	13-Oct
18	Devidas Suse	2010	KPMG India	Management Consultant	Consultancy	Jan-14
19	Bitwa Dongre	2012	PRGX India Pvt. Ltd	Junior Auditor	Interaction	Jan-14
20	Mr. Pranay Wankhede	2012-13	e-Q Technologic	Software Engineer	Guest Lecture on Java Programming	28/12/2013
21	Mr. Mahesh Chauhan	2009-10	Agreeya Mobility	Software Engineer	Guest Lecture on Android Application	11/1/2014
22	Mr. Vishal Adhau	2009-10	Agreeya Mobility	Software Engineer	Guest Lecture on Android Application	11/1/2014
23	Mohit Sunil Godbole	2013	TCS	Graduate Engineer Trainee -	Aptitude Preparation – guest Lecture	Jan-15
24	Nitin Rajkumar Rijhawani	2013	TCS	Application Engineer	Interview & GD Preparation – guest Lecture	Jan-15
25	Akhil Mukul Khare	2013	TCS	Team Leader	Opportunities in IT sectors for mechanical engineers- Guest Lecture	Jan-15
26	Devendra Gorakshanath Sabale	2013	TCS	Graduate Engineer Trainee	C , C++ and other Programming Language Skills - Seminar	Jan-15
27	Rohit Nitin Ketkar	2013	Behr India Ltd.	Graduate Engineer Trainee	Project Management – Guest Lecture	Oct-14
28	Vikash Das	2013	Behr India Ltd.	Design Engineer	Project-Guidance SAE TEAM	Aug-14
29	Ajinkya Ajay Shah	2013	Mahindra Conveyor Syst. Pvt Ltd.	Design Engineer	Project-Guidance SAE TEAM	Aug-14
30	Gaurav Pawar	2012	TCS	Deployment Program Manager	Guest Lecture	16.03.2013

Academic Year : 2014-15

Sr. No.	Name of Alumni	Year of Graduation	Name of the organization	Designation	Purpose of Visit	Date of visit
1	Mr. Mangesh Edke	2005	Micro Embedded Technologies	Software Engineer	Seminar on Embedded Operating Systems	16.01.2015
2	Mr. Aditya Shelar	2012	Software Engineer in TCS, Pune	Software Engineer	Seminar on Data Mining	25.03.2015
3	Mr. Mangesh Edke	2005	Micro Embedded Technologies	Software Engineer	Seminar on Embedded Operating Systems	25.03.2015
4	Mr. Ganesh R. Shingnapure	2014	Persistent System Ltd.	Software Engineer	Judge for the event allied force coding at MPulse2015	14.02.2015
5	Mr. Akshay Gundecha	2007	AnimotionsZ & Clarity First	Founder Director	To judge event called Nirman in MPulse 2015	14.02.2015
6	Mr. Akshay Shinde	2014	Persistent System Ltd.	Software Engineer	Judge for the event code-c-kers at MPulse2015	14.02.2015
7	Mr. Anubhav Srivastava	2013	Tavisika Software Pvt. Ltd.	Full Stack Web Developer	Judge for the event code-c-kers at MPulse2015	14.02.2015
8	Ms. Kshipra Kode	2013	Tibco Software India	Software Engineer	Judge for Project Competition	28.03.2015
9	Mr. Tejas Pathak	2006	Tavisika Solutions	Account Manager	Guidance regarding pursuing MBA	14.03.2015
10	Mr. Hrushikesh Gadilkar	2005	Defense Services		Guidance regarding Civil Service Exams after B.E.	14.03.2015
11	Miss Harshada Prabhune	2013	Axtria Inc	Data Scientist	Guidance on new trend in IT- Data Analytics	14.03.2015
12	Mr. Amol Panchal	2003	KPT	Technical Team lead	Guidance regarding B.E. Projects	14.03.2015
13	Mr. Sanket Shinde	2014	Tavisika	Software Engineer	Guidance for Spandan 15	14.03.2015
14	Mr. Abhay Mone	2014	-	-	Guidance for Spandan 15	14.03.2015

15	Sai Giridhar Prabhu	2006	Idea Cellular, Pune	Intelligent Network	Chief Guest for Engineer Day Function	15th September 2014
16	Omkar Bhujad	2005	Advance America, North Carolina, USA	Java Developer	Delivered a seminar on "Career opportunities in Java"	23 December, 2014.
17	Surhud Khare	2007	Intel Corporation, Bangalore	Senior Design Engineer	Delivered a seminar on "future trends, challenges, opportunities in computing and electronics industry"	7th Jan, 2015
18	Gaurav Khairkar	2012	Radio science and Engineering at Aalto University, Helsinki, Finland.	M.S. student	Delivered seminar on "Higher studies in Foreign countries"	13th Jan, 2015
19	Anand Thobi	2009	International Electronic Machines Corporation, Newyork, USA.	Software Engineer	Guidance to PG students for the project work.	31st Jan 2015
20	Ashish Wani	2009	Electrical engineering from Oklahoma State University,	M.S. STUDENT	Guidance to PG students for the project work.	4th Feb, 2015
21	Gaurav Thalapati	2004	Cognizant Technology Solutions, Pune	Manager -	Chief Guest for M-Pulse inauguration function at E&TC department. Delivered Seminar on "Introduction to Raspberry Pi"	13th Feb, 2015
22	Shashank Karkare	2010	John Deer, Pune	Senior Engineer I	Conducted Workshop on "Introduction to NS3" for UG and PG students	21st Feb, 2015
23	Suraj Kulkarni	2009	Infosys	Manager	One of the Panel members for the Project Exhibition 2K15	30/03/2015
24	Shashank Karkare	2010	John Deer, Pune	Senior Engineer I		
25	Amarja Palekar	2011	TCS	IT Analyst		
26	Deshmukh Swapnil	2010	NityaLabs Pvt. Ltd	Android Application Developer, R & D,		
27	Ashish Mahajan	2010	Infosys	Software Engineer		

28	Radheya Kahat	2008	Tech Mahindra Pune	Software Engineer	Lecture delivered on "Career opportunities in IT industries" to SE Electrical students	4.9.2014
29	Noopur Hedawoo	2013	Alchemy Software Solutions	HR Executive	Recruitment	Oct-14
30	Vikas Kukreja	2012	ShopDiaries.in	Co-Founder	Entrepreneur	Dec-14
31	Hrutwiji Mhaske	2014	TechNex Technologies Private Ltd.	Business Development Manager	Felicitation and interaction	27/1/2015
32	Yash Gokhale	2010	BNY Menon		Cultural Guidance	16/2/2015
33	Neha Gopinathan	2011	-	-	Issuing Transcript for further education	Dec-14
34	Sudip Srivastava	2007			Alumni meet	7/2/2015
35	Mr. Pranay Wankhede	2012-13	e-Q Technologic	Software Engineer	Guest Lecture on Java Programming	5/7/2014
36	Mr. Jainarayan Mundada	2013-14	Quick Heal Pvt. Ltd.	Software Engineer	Quick heal aptitude cracking session	19/09/2014
37	Mr. Kunal Gupta	2009-10	eQ Technologic	Software Engineer	Guest Lecture on Project Guidance	27/12/2014
38	Mr. Mahesh Chauhan	2009-10	Agreeya Mobility	Software Engineer	Guest Lecture on Android Application	3/1/2015
39	Aniruddha Aranke	2009-10	Order Dynamics India Pvt. Ltd.	Sr. Software Engineer	Guest Lecture on Core Java concepts	10/1/2015
40	Mr. Saurabh Ota	2005-06	LogiTrump Consultancy services	Managing Director	Oracle Applications and opportunities	7/3/2015
41	Irfan Khan	2003	State Government	Dy Director	Competitive exam Preparation – UPSC	Jul-14

42	Iyer Rahul Ramesh	2014	TCS	Graduate Engineer Trainee	Competitive exam Preparation – Part 1 GATE / GRE / MPSC	Dec-14
43	Ashish Shashikant Patil	2014	TCS	Graduate Engineer Trainee	Competitive exam Preparation – Part 2 GATE / GRE / MPSC	
44	Saurabh Kulkarni	2014	Alpha Engg.Co.Sangali	Owner	Advancement in Aluminum Die Casting & sand Casting foundry Machining – workshop / Seminar	Dec-14
45	Raghendra Bhatt	2010	INNRIIS consultancy	Consultant-Intellectual property Rights	Seminar on Patent System	Jan-15
46	Amogh Anil Shejwal	2014	Neilsoft Ltd.	Design Engineer	Recent trends in CAD Modeling – Hands on /Seminar using Solidworks Software	Jan-15
47	Bhikud Nikhil Vijay	2014	Neilsoft Ltd.	Design Engineer		
48	Harbe Ketki Morethwar	2014	Neil soft Ltd.	Design Engineer		

5.2. Student Progression

5.2.1. Provide the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed.

- Most of the UG students of Engineering opt for employment after the completion of their courses. Institute tries it best to place maximum students in various industries. Institute also encourages students to pursue further studies and provides guidance for the same.

2014-2015							
Student progression	%						
	Mechanical	Electrical	Computer	E & TC	IT	MCA	MBA
UG to PG	34	5.426	19.12	9	4	NA	NA
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	11.11	Nil	Nil	Nil	Nil	Nil
Employed							
• Campus selection	Nil	6.201	27.94	17	17	23	Nil
• Other than campus recruitment	Nil	5.426	2.63	2	11	44	86%

2013-2014							
Student progression	%						
	Mechanical	Electrical	Computer	E & TC	IT	MCA	MBA
UG to PG	29	4.76	31.14	9	5.55	NA	NA
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed							
• Campus selection	16	2.38	27.86	28	22.22	26	Nil
• Other than campus recruitment	Nil	1.19	34.42	15	35.18	27	70

2012-2013							
Student progression	%						
	Mechanical	Electrical	Computer	E & TC	IT	MCA	MBA
UG to PG	26	8.75	44.44	17	25	NA	NA
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil	5	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed							
• Campus selection	10	0	38.89	5	18.05	10	Nil
• Other than campus recruitment	Nil	1	25	7	41.6	Nil	78

2011-2012							
Student progression	%						
	Mechanical	Electrical	Computer	E & TC	IT	MCA	MBA
UG to PG	22	13.69	47.36	18	15.67	NA	NA
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Employed							
• Campus selection	11	6.84	39.47	23	25.08	13	Nil
• Other than campus recruitment	Nil	Nil	2.63	7	41.78	Nil	80%

Year	2014-2015		2013-2014		2012-2013		2011-2012	
Discipline	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell	Total no. of students appeared	Total no. of students placed through placement Cell
Computer Engineering	40	17	38	19	40	13	35	33
IT	69	14	24	12	60	13	90	20
Electronics & Telecommunication Engineering	46	20	52	28	32	5	55	23
Mechanical Engineering	55	18	65	17	42	10	42	11
Electrical Engineering	126	12	30	6	5	1	18	5
MCA	115	18	28	18	33	11	45	13
MBA	52	10	17	4	21	1	15	6

5.2.2. Provide details of the program wise pass percentage and completion rate for the last four years (cohort 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.

- The Institute has good academic record for last thirteen years. Many of the students have excelled in academics. Few of them have secured remarkable positions in the University examination, as obtaining merit rank & obtaining highest marks. Last four years record of the students' branch wise has been provided with.

Year - 2014-2015					
Sr. No.	Branch	Number of Students Passed with 60% or above	Students appeared	Students passed	Pass percentage of college
1	Mechanical	94	132	115	87.12
2	E&TC	107	143	133	93.01
3	Electrical	37	66	57	86.36
4	Computer	43	68	62	91.18
5	IT	40	58	53	91.38
6	MCA	72	138	112	81.16
7	MBA	81	109	103	94.50
Year - 2013-2014					
1	Mechanical	108	136	130	95.59
2	E&TC	108	132	124	93.94
3	Electrical	51	69	63	91.30
4	Computer	42	61	57	93.44
5	IT	34	53	47	88.68
6	MCA	31	55	51	92.73
7	MBA	48	113	86	76.11
Year - 2012-2013					
1	Mechanical	118	139	125	89.93
2	E&TC	84	118	102	86.44
3	Electrical	67	83	77	92.77
4	Computer	53	72	65	90.28
5	IT	53	70	65	92.86
6	MCA	43	45	44	97.78
7	MBA	66	112	100	89.29
Year -2011-2012					
1	Mechanical	90	123	112	91.06
2	E&TC	95	120	112	93.33
3	Electrical	45	66	55	83.33
4	Computer	50	68	55	80.88
5	IT	45	74	65	87.84
6	MCA	25	57	42	73.68
7	MBA	45	115	80	69.57

5.2.3. How does the institution facilitate student progression to higher level of education and/or towards employment?

- The Institute facilitate student progression to higher level of education and employment through different activities
 - The Institute has set up Training and Placement Cell which extends its help to seek employment for the students.
 - T&P cell is involved in arranging campus interviews with various companies, training of students for aptitude and soft skills.
 - T&P cell also prepares the students for the interviews by organizing various Seminars by eminent people, group discussions, and aptitude tests are arranged.
 - Special efforts are taken for enhancing communication skills of the students.
 - Individual faculties also provide assistance regarding placement activity.
 - All the faculty members provide necessary help and guidance to the students opting for higher education in India as well as overseas. They are helped by writing apt recommendation letter and are also provided assistance with statement of purpose.
 - Facilities in the library help our student to get prepare for higher education as well as for competitive examinations.
 - There are special sessions arranged by the institute for the students to prepare them for different aptitude tests.
 - There are lectures arranged to help the students to guide them through GRE.
 - Guest Lectures for GRE, GATE etc are arranged for students.

5.2.4. Enumerate the special support provided to students who are at risk of failure and drop out?

- Most of the students pass their examinations in the prescribed period, however some drop out cases occur. Institute has a counseling cell to deal with these cases.
 - Academic planning and auditing for academics improvement:
 - The Institute constitutes Academic Planning Committee with the purpose of plan and monitor teaching learning process. It actively participates in all the activities from the students' registration for each term till the end of term.
 - Academic record booklet is maintained by each teaching staff. This booklet contains staff time table, class time table, teaching plan, conducted lectures, student attendance etc.

- Committee conducts internal audit regularly to monitor syllabus completion and attendance of students. Analysis of issues is done and remedial actions are discussed periodically in the meetings of HODs, staff and committee members. It helps continuous assessment of students in both theory and practical subjects.
- Every year, at the end of each month, meetings are arranged with the parents of defaulter students. Monthly monitoring of syllabus execution is discussed in the department meetings.
- HODs and concerned staff members plan extra lectures to complete the syllabus. Improvement in attendance of students as a result number of defaulter students reduced.
- The Institute conducts parents teachers meet every month. To increase the interaction between Institute and parents. They are informed regarding the academic performance of their ward.
- System is devised by the Institute for keeping the attendance and performance records of students. Guardian Faculty member along with the subject teacher identifies the academically weaker students and extra guidance is given to these students in the respective subjects.
- The information about attendance and academic performance is displayed on the notice board. In case of defaulter students the record is communicated to the parents by Post or by Electronic media.
- Examination Result Analysis is used to:
- Identify slow learners - Extra lectures/Practical conducted by departments.
- Physically Challenged Students - GFM Mentor and motivate them to perform well in their studies.
- Students from the disadvantaged /economically weaker sections- Books are issued through book-bank facility
- The GFM counsel regularly to the students in groups or individually and discusses both academics as well as personal issues and tries to resolve and find the solution.
- Guardian Faculty member and the staff encourage the students to attend college regularly and participate in various activities.
- These activities make the student feel part of the group and more motivated.
- HOD, GFM and Academic Committee members speak with the parent and student, counselor to see if the student's goals can be reached in the current Institute environment. If not, they discuss options for alternatives.

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.

- The Institute encourages students to participate in different extra-curricular activities, co-curricular and sports activities arranged by the institute or other institute activities.
 - Institute also encourages student to participate in drama competitions such as Firodia Karandak, Purshottam Karandak and in extra-curricular activities like annual cultural activity "Spandan", Inter college competitions. Some of our students have bagged awards in these extra-curricular activities
 - Institute arranges Technical Fest which is organized by students. Various competitions are conducted. Winners as well as participated student are given certificates.
 - Different clubs are formed in departments and they undertake different activities for students to groom their abilities like communication, social awareness, personality development, technical skill, stress management.
 - Institute organizes events related to Teachers' day, Gurupurnima, Swami Vivekanand Jayanti, Engineers Day, Savitribai Phule Punyithithi, Womens Day, Youth Week, and Traditional Day.
 - Celebrating Republic day and Independence Day, to inculcate patriotic feeling towards Nation.
 - Activity Calendar is provided to students at the start of the semester so that they can plan for their activities.

The variety of cultural events and the details of participation of students are furnished below:

Sr.No.	Year	Activity/event	Date	Venue	Level College/Local/state/national/international	Remark
1)	2011-12	Purushottam Karandak "Event Incorporated"	28th August 2011	Bharat Natya Mandir	University Level	
2)		Firodia Karandak "Andriod"	14th February 2012	Ganesh Kala Krida	University Level	---

3)		SPANDAN - 2012	20th February 2012	Ganesh Kala Krida	College Level	Elect. Dept (Best Cultural Dept.)
4)	2012-13	Purushottam Karandak "Aparadh"	22nd August 2011	Bharat Natya Mandir	University Level	---
5)		Firodia Karandak "The Artist"	19th February 2013	Yashvantrao Chavan Natyagriha	University Level	---
6)		SPANDAN - 2013	4th March 2013	Ganesh Kala Krida	College Level	Comp. Dept (Best Cultural Dept.)
7)		Street Play Competition	16th September 2012	Bhave School, Pune	University Level "VIBES" Indian Red Cross Society, Pune	---
8)			6th October 2012	Modern College of Arts & Sci, Pune.	College Level	---
9)			4th October 2012	Sambhaji Garden, Pune	University Level Rotery Club , Pune	---
10)	2013-14	Purushottam Karandak "Kaleidoscope"	21st August 2013	Bharat Natya Mandir	University Level	---
11)		Prabodhan Karandak "Kaleidoscop"	16th August 2013	Bharat Natya Mandir	University Level	---
12)		Firodia Karandak 'Mimoto'	21st February 2014	Bharat Natya Mandir	University Level	---
13)		SPANDAN - 2014	19th February 2014	Ganesh Kala Krida	College Level	Elect. Dept (Best Cultural Dept.)
14)		Street Play Competition	16th January 2014	MIT COE, Kothrud	University Level	---

Sr.No.	Year	Activity/event	Date	Venue	Level College/Local/s tate/national/in ternational	Remark
15)	2013-14	Street Play Competition	02nd February 2014	Sinhagad COE, Vadgaon	University Level	---
16)			3rd & 5th February 2014	Yuva Srijan Pratishan , Pune	University Level	1st Prize
17)			21st February 2014	PVG's COET, Sahakarnagar	University Level	1st Prize
18)			07th March 2014	Modern Law College, Ganeshkhind	University Level	---
19)	2014-15	Purushottam Karandak "Yada Yada Hi Bhayasya"	25th August 2014	Bharat Natya Mandir	University Level	
20)		Firodia Karandak "Apaharan"	10th February 2015	Annabhau Sathe Rangmandir	University Level	---
21)		SPANDAN - 2015	16th February 2015	Bal Gandharva Rang Mandir	College Level	MBA Dept (Best Cultural Dept.)
22)		Street Play Competition	12th January 2015	International School of Business & Management	University Level	
23)			16th January 2015	Dnyansagar Institute of Management & Research	University Level	FIRST PRIZE
24)			7th February 2015	Audyogik Shikshan Mandal, Chinchwad	University Level	
25)			21st February 2015	Dr. D.Y Patil College of Engineering, Akurdi	University Level	
26)			28th February 2015	Modern Institute of Business & Management.	University Level	RUNNER- UP

Cultural Workshops Arranged/ attended for/by Student

Sr. No.	Year	Activity/ event	Date	Name of Expert	Brief Information about Expert	Venue
1)	2013-14	Acting Workshop (Knowledge imparted for stage movements, back stage working, & little bit about sound & light.)	July 2013	Mr. Ghanashyam Rahalkar	Alumni of our college, who has been constantly writing and directing for plays and short films.	College Campus R. No. 320
2)	2014-15		July 2014		He also worked as Assistant Director for the famous film 'Vihir'.	

Details of student's participation in sports

Sr. No.	Year	Name of the Player	Event	Level
1.	2011-12	Tanmay Bargal	VolleyBall	University
2.		Nachiket kulkarni	Cricket	University
3.		Ganesh kabade	VolleyBall	University
4.		Ankit Goti	VolleyBall	University- Zonal
5.		Ketki Morwal	Hockey	University- Zonal
6.		Dipika Dudhane	KickBoxing & Karate	International
7.	2012-13	Tanmay Bargal	VolleyBall	University-Zonal, Ashwamedh-University
8.		Ganesh kabade	VolleyBall	University-Zonal
9.		Ankit Goti	VolleyBall	University
10.		Ketki Morwal	Hockey	University-Zonal
11.		Aishwarya Shinde	Basket Ball	University
12.		Kunal Gujar	Basket Ball	University

13		Kaushik Divvakshi	Lawn Tennis	University
14		Sharvari Sawant	Lawn Tennis	University
15		Tanmay Karve	Basket Ball	University Zonal
16		Bijuri Khinswara	Volley Ball	University Zonal
17		Amit Mulay	Basket Ball	University Zonal
18		Shreyas Paranjpe	Table Tennis	University Zonal
19		Kalpesh Kuber	Soft Ball	University Zonal
20		Sidharth Kumbhoikar	Chess	University Zonal
21		Adwait Bhide	Archery	University Zonal
22		Suraj Rukhme	Hand ball	University Zonal
23		Adit Kembhavi	Water Polo	Open National
24	2013-14	Tanmay Bargal	VolleyBall	University-Zonal, Ashwamedh-University
25		Swapnil Sonatkke	VolleyBall	University-Zonal
26		Ankit Goti	VolleyBall	University
27		Ketki Morwal	Hockey	University- Zonal
28		Aishwarya Shinde	Basket Ball	University-Zonal
29		Kunal Gujar	Basket Ball	University-Zonal
30		Kaushik Divvakshi	Lawn Tennis	University
31		Sharvari Sawant	Lawn Tennis	University-Zonal
32		Mihir Bhist	Basket Ball	University Zonal
33		Nachiket kulkarni	Cricket	University-Zonal
34		Yogesh Hulge	Basket Ball	University
35		Shreyas Paranjpe	Table Tennis	University Zonal
36		Kalpesh Kuber	Soft Ball	University Zonal
37		Sidharth Kumbhoikar	Chess	University Zonal
38		Adwait Bhide	Archery	University Zonal
39		Priyanka Khindre	Archery	University
40		Adit Kembhavi	Water Polo	Open National

41		Vipul Trivedi	Soft Ball	University Zonal
42		Aniket Sonawane	Cycling	University Zonal
43		Mohan Bhujbal	Weight Lifting	University Zonal
44		Nikhil Dalvi	Weight Lifting	University Zonal
45		Rushikesh Chavan	Weight Lifting	University Zonal
46		Atharva Pathak	Shooting & Riffle	University Zonal, National
47		Yash Mokashi	Lawn Tennis	University Zonal
48		Kalpesh Kuber	Base Ball	University Zonal
49		Manas Thapliya	Foot Ball	University Zonal
50	2014-15	Gaurav Shelke	VolleyBall	University-Zonal
51		Swapnil Sonatkke	VolleyBall	University-Zonal
52		Prashant Jirvankar	VolleyBall	University-Zonal
53		Abhishek Mistry	VolleyBall	University-Zonal
54		Ashish Kadam	Basket Ball	University-Zonal
55		Kunal Gujar	Basket Ball	University-Zonal
56		Kiran Govande	Hand Ball	University-Zonal
57		Vipul Trivedi	Floor Ball	National
58		Mihir Bhist	Basket Ball	University Zonal
59		Shreyas Paranjpe	Table Tennis	University Zonal
60		Kalpesh Kuber	Soft Ball	University Zonal
61		Sidharth Kumbhoikar	Chess	University Zonal
62		Adwait Bhide	Archery	University Zonal
63		Priyanka Khindre	Archery	University
64		Vipul Trivedi	Soft Ball	University Zonal
65		Aniket Sonawane	Cycling	University Zonal
66		Nikhil Dalvi	Weight Lifting	University Zonal
67		Rushikesh Chavan	Weight Lifting	University Zonal
68		Atharva Pathak	Shooting&Riffle	University Zonal, National

69	Yash Mokashi	Lawn Tennis	University Zonal
70	Kalpesh Kuber	Base Ball	University Zonal

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.

- Institute arranges Technical as well as Cultural event every year.
- Technical event is a state level event in which other institute students can participate. Different committees are formed by the students and are guided by the faculty. Different activities are conducted by every department in “M-Pulse”.
- Cultural event “Spandan”, objective of this event is to provide an opportunity to the youth to exhibit their skills and talents in the field of culture, literary, fine arts and other talents on a common platform and to promote integration and communal.
- Harmony among youth belonging to different communities.
- Following are the details of the events and the winners in the activities.

Student's achievements at different levels

Sr. No.	Year	Name of the Player	Event	Level	Achievement
1	2011-12	Tanmay Bargal	Volleyball	University	2nd place
2		Nachiket kulkarni	Cricket	University	participate
3		Ganesh kabade	Volleyball	University	2nd place
4		Ankit Goti	Volleyball	University - Zonal	Winner
5		Ketki Morwal	Hockey	University - Zonal	Winner
6		Dipika Dudhane	Kickboxing &	International	Participate
1	2012-13	Tanmay Bargal	VolleyBall	University -Zonal	Winner
2		Ganesh kabade	VolleyBall	University -Zonal	Winner
3		Ankit Goti	VolleyBall	University	Winner
4		Ketki Morwal	Hockey	University - Zonal	Winner
5		Aishwarya Shinde	Basket Ball	University	Participate
6		Kunal Gujar	Basket Ball	University	2nd place

7		Kaushik Divyakshi	Lawn Tennis	University	Participate
8		Sharvari Sawant	Lawn Tennis	University	Participate
9		Tanmay Karve	Basket Ball	University Zonal	Winner
10		Bijuri Khinswara	Volley Ball	University Zonal	2nd place
11		Amit Mulay	Basket Ball	University Zonal	Winner
12		Shreyas Paranjpe	Table Tennis	University Zonal	2nd place
13		Kalpesh Kuber	Soft Ball	University Zonal	Winner
14		Sidharth Kumbhojkar	Chess	University Zonal	Winner
15		Adwait Bhide	Archery	University Zonal	Participate
16		Suraj Rukhme	Hand ball	University Zonal	participate
17		Adit Kembhavi	Water Polo	Open National	3rd place(Mahara
1	2014-15	Gaurav Shelke	VolleyBall	University -Zonal	3 rd Place
2		Swapnil Sonatkke	VolleyBall	University -Zonal	3 rd Place
3		Prashant Jirvankar	VolleyBall	University -Zonal	3 rd Place
4		Abhishek Mistry	VolleyBall	University -Zonal	3 rd Place
5		Ashish Kadam	Basket Ball	University -Zonal	Winner
6		Kunal Gujar	Basket Ball	University -Zonal	Winner
7		Kiran Govande	Hand Ball	University -Zonal	Participate
8		Vipul Trivedi	Floor Ball	National	Participate
9		Mihir Bhist	Basket Ball	University Zonal	Winner
10		Shreyas Paranjpe	Table Tennis	University Zonal	Winner
11		Kalpesh Kuber	Soft Ball	University Zonal	Winner
12		Sidharth Kumbhojkar	Chess	University Zonal	Winner
13		Adwait Bhide	Archery	University Zonal	Participate
14		Priyanka Khindre	Archery	University	Participate
15		Vipul Trivedi	Soft Ball	University Zonal	Participate
16		Aniket Sonawane	Cycling	University Zonal	Participate
17		Nikhil Dalvi	Weight Lifting	University Zonal	Participate

18		Rushikesh Chavan	Weight Lifting	University Zonal	Participate
19		Atharva Pathak	Shooting & Rifle	University Zonal	Participate
20		Yash Mokashi	Lawn Tennis	University Zonal	Participate
21		Kalpesh Kuber	Base Ball	University Zonal	Participate

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions

- The Institute uses feedback from different stakeholders for enriching the quality of the students beyond University curriculum.

Following are the different types of feedback systems maintained by the Institution which benefit for improvement in teaching and learning process.

1. Student feedback
 2. Parent feed back
 3. Institutional feedback
 4. Alumni feedback
 5. Activity feedback
 6. Course feedback
 7. Exit surveys
- The outcome of the feedback is shared with the IQAC. This feedback help us to improve
 - Self-assessment and career planning;
 - Occupational and job market information (local, regional, national, global);
 - Employment/job search;
 - Resources and strategies for revising career plans;
 - Job, experiential learning, and internship listings;
 - Employer and industry information;
 - Guidance on using specific current and emerging tools.
 - Institute has “Alumni Cell” that concentrates on Career services and comprehensive career information.
 - Alumni are typically open to hosting job shadows for college students. Alumni being a recent graduate will understand the difficulty of current students that they may have in transitioning into their professional careers.
 - Student Support Systems are regularly monitored and service quality is improved by considering the feedback taken from stake holders.

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.

- The Institute publishes its college magazine “Karmanya” annually. Every year the theme is announced for “Karmanya” contents. The students publish material as per given theme. This helps student to groom their writing skills and talents in the field of literature, fine arts on a common platform and to promote integration and communal harmony among youth belonging to different communities.
- Every department encourages the student to publish departmental newsletter.
- Other than this student write their articles and can display on the notice boards.
- Students also publish articles in the newspapers and are supported by faculty members. Published articles are collected from the students and displayed on the department notice board and library.
- Department encourages students to publish Technical Calendar, Technical Magazine/ Newsletter.

5.3.5 Does the college have a Student Councilor any similar body? Give details on its selection, constitution, activities and funding

- Yes, Institute has different student representatives on different committees formed for different activities. These activities help student to groom their leadership quality, team work and personality development.
 - Class Representative represents the class. He/She is nominated from the three toppers of the class by the concerned class teacher.
 - The committee for “Engineering Students Association” is selected taking under consideration the area in which students are interested in working. Some of the departments also conduct interviews for the same.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- Different activities are conducted by Institute every year and Institute selects student representative for these activities.
 - Class Representative represents the class. He/She is nominated from the three toppers of the class by the concerned class

teacher.

- Student Association Committee: This committee consists of members comprising teaching faculty and students. This committee is constituted under the headship of the faculty members who are in charge of the student association. The committee is responsible for the maintenance of library books, extracurricular, co-curricular activities of department, Industrial visit, workshop, seminar organization, journals, easy access of the students to the library facilities, student's facilities in departmental library, the maintenance of library records.
- Magazine/ News Letter Committee: The Editorial Board comprises of Chief Editors, Editor and Students Editors, Staff representative and HOD.
- Art Circle Committee: This committee is constituted to promote the cultural activities among the students. Culturally talented students are spotted by committee members and the efforts are made to develop their skills and talents.
- Technical Festival Committee: This is an independent body of students who organize events along with other social initiatives and outreach programs. This committee hosts a variety of events that include competitions, exhibitions, workshops etc.
- Anti Ragging Committee: An anti-ragging committee has been formed in the college, in which the Principal is the Chairperson, Vice Principal, teaching, non-teaching staff members, Students, parents, Local police, civil authorities are the members as per the directions given by AICTE.
- Grievance Redressal Committee: 'Grievance Redressal committee' is formed at university level. Details of Grievance Redressal Committee as per AICTE Regulation 2012. Coordinator for 'Grievance Redressal committee' is nominated by the Institute for the purpose of redressal of grievances of the students, parents and others.
- Women's Grievance Redressal Cell: The cell will deal the cases/ complaints of sexual harassment and any other type of harassment of the female students, teaching and non-teaching women staff of the institute.
- Alumni Cell Association: Institute has registered Alumni Association. This cell establishes a bridge of communication between past students, present students and the Institute. Various activities are conducted like training program, career consultations for Higher Education, interpersonal skills to face interviews, competitive examinations for the benefit of the students of the Institute.
- Sports Committee: The standing committee on leisure

participates in sport events arranged at different institute as well as University level. Participation in these events is strongly encouraged by the Institute.

- NSS Committee: Different social activities are conducted under this committee example blood donation camp, PUC camp, donation of clothes and other necessary items for the orphanage, traffic awareness programme etc.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

- Each department of Institute conducts its Alumni meet every year to have interaction with the students. Our student gets a good guidance from our Alumni.
- Our Alumni Cell connects our students to alumni for informational interviews. This allows students to approach alumni for professional advice. Informational interviews help our students to learn more about their major and gain helpful advice from a professional.
- This informational interview with different stakeholders leads to a future job shadow or internship opportunity.
- Alumni often have great leads for internships and entry-level jobs. Our Alumni have close contact with our students; they hook our current students up with internships.
- The alumni who were active in NSS, cultural and social activities still join us on our different activities and they also guide our student in the final year projects.
- Alumni are invited as chief guest, for delivering special lectures on emerging areas and for higher education.
- Alumni as well as former faculty are invited to the college on occasions like Annual Day Function, National State Level Conferences, Departmental seminar, Cultural Programmes, College Foundation Day.
- College Management System is made available to students and faculties to maintain appropriate record of academic activities. This system is developed by our alumni with the help of faculty.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

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.

- The philosophy of the Institute is to “**Be knowledge Incarnate**” which is inscribed at the top of the logo.



The letters P.E.S. i.e. Progressive Education Society are inscribed in the Centre. The emphasis is on the values ‘**Progressive**’ and ‘**Modern**’. The society aims to promote education with skill based training and so empowering students for success. The parent body continuously encourages the use of latest technology by re-building, upgrading of laboratories, fostering innovative pedagogy, thereby living the philosophy: progressive and modern.

- **Vision:** “Creation of a collaborative academic environment to foster professional excellence and ethical values”
- **Mission:**
 1. To develop outstanding professionals with high ethical standards capable of creating and managing global enterprises.
 2. To foster innovation and research by providing a stimulating learning environment.
 3. To ensure equitable development of students of all ability levels and backgrounds.
 4. To be responsive to changes in technology, socio-economic and environmental conditions.
 5. To foster and maintain mutually beneficial partnerships with alumni and industry.

In line with the objective of Higher Education Policy of the nation, the institution provides education to the students of all caste, creed,

religion and financial backgrounds. Our Institute gives opportunities to students from all communities and economic strata.

Institute provides dynamic learning environment with updated curriculum taught by expert faculties. Together with academic inputs, students are well exposed to all round development of their personality through sports, co-curricular activities and continuous industry interaction.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- Majority of Members of the Management Committee of the Parent Trust consist of 'teachers' serving in different schools and Institutes run by the Parent Trust, experts from University, State or National award winners and professionals from industry, trade, medicine, law and some are social workers.

The Management is committed to provide quality education to meet the current local and national needs. It ensures that the best of the staff, adequate infrastructure and equipments etc are made available to the Institutes.

The Parent Trust is headed by the Chairman who is a well-known educationist and a very effective leader. He has over 25 years work experience in various significant positions in Savitribai Phule Pune University and Maharashtra University of Health Sciences. He encourages undertaking of research and developmental activities in the Institute. Dr. Ekbote received corporate social responsibility award instituted by MCCIA and IBN Lokmat.

The members of Management are active and take keen interest in the development of the Institute. The senior members are always available for guidance. They regularly meet and interact with the Principal, Vice Principals and other members of the staff. They take constant feedback from the staff and provide them guidance. Their association with the Institute through Governing Body, Local Management Committee, Purchase Committee academic and other committees has always proved to be supportive. The Secretary and Joint Secretary of the Parent Trust are also nominated as coordinators for the smooth functioning of the Institute.

The Institute is well represented in the management through Principal being a life member of the P.E. Society. There has been a substantial rise in the number of courses introduced by the Institute. The Institute now has five undergraduate, six postgraduate courses and four research centers. All this was possible due to the vision and leadership provided by the Management.

6.1.3 What is the involvement of the leadership in ensuring?**1. The policy statements and action plans for fulfillment of the stated mission**

- To promote the culture of excellence an effort is made to create strategic alignment in the whole organization. For the fulfillment of the stated mission, the leadership ensures the monitoring and enforcement of the policy statements and action plans through various committees constituted for the purpose. The Management and the Principal ensure that the planning for providing excellence in education is a sustained effort. New facilities are provided and the existing ones are upgraded in order to cater to the needs of the student population.

2. formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- While formulating the action plans, the Institute takes care of the academic demands, the sports and cultural programs and other innovative programs. The Principal, as the academic and administrative head of the Institute receives reports from different Institute Committees periodically and their suggestions form the basis of Management decisions. Budget is carefully planned in consultation with various departments. The individual departments propose their recurring and non-recurring expenditure.

3. Interaction with stakeholders

- The personal interaction of the Management Representatives and Principal with the various stake holders, Faculty members, non teaching staff, students, parents and industry plays an important role in the functioning of the Institute. These feedback help in strengthening the teaching learning process.
 - The Governing Body of the Institute meets at regular intervals.
 - Periodic Staff meetings are held.
 - Parents are updated regarding performance of their wards and their feedback is recorded.
 - Student counseling is conducted to identify their problems and resolve them.
 - Training and Placement Cell and respective Departments communicate with the employers.
 - Students Feedback about the faculties is collected once in every semester.
 - The Institute maintains links with Alumni for getting necessary information on current issues and challenges in the industries.

4. Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- The Heads of the Departments review the departmental progress for continuous improvement in consultation with the Principal. Additional training is given to students in the areas requiring improvement as suggested by the stakeholders.
 - To improve the performance of the students, internal assessment through tests and assignments are conducted periodically and the results are reviewed/ displayed for the students.
 - Learning of academically weak students is strengthened by conduction of additional remedial classes.
 - For supporting research and faculty development the Institute encourages organizing and participating in seminars, workshops, conferences and FDPs. The institute also publishes research journal “Chaitanya” along with departmental newsletters. This has helped in cultivating a research culture.

5. Reinforcing the culture of excellence

- Whether it is academics, co-curricular activities, sports or extension activities, the institution strives to achieve excellence. It looks into the minute details of each activity to ensure excellence by
 - Creating a culture of involvement, ownership, empowerment, entrepreneurship, improvement and accountability at all levels.
 - Supporting the development of new ideas and new ways of thinking to encourage innovation and organizational development.
 - Supporting people and recognizing efforts in a timely and appropriate manner.
 - Promoting and encouraging equal opportunities.

6. Champion organizational change

- The Institute believes in bringing about change by developing a exceptional mindset through visionary leadership, building awareness and commitment, involving key stakeholders, networking and getting the right people together for planning and managing the change process . This can be achieved by keeping people focused and motivated and implementing feedback mechanisms to evaluate and monitor progress. The Institute believes in persevearance and performance until goals are achieved.

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?

- As the Institute works on the participative and democratic principle of management, it frames all its plans and policies in consultation with

the Management and staff and the various committees. The management encourages and involves staff for overall improvement of the institution through various committees. These committees are assigned different plans/policies for implementation. Procedures of monitoring and evaluation of policies and plans are as follows:

- Key priorities such as teaching and learning process are planned in detail.
- Data collection through survey, feedback, and stakeholder meeting.
- Estimation of resources required and committed for carrying out planned activities.
- Staff meetings are held to review the activities undertaken by the various Committees.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- The Institute has formed various committees that are constituted by various staff members and headed by the Principal to promote academic leadership. Many committees also have representation of students on the body. Some of the committees that are presently functioning in the institute are as follows –

- 1 Admission Committee
- 2 Examination Committee
- 3 Academic Monitoring Committee
- 4 Placement Committee
- 5 Research and Development Committee
- 6 Student Council
- 7 Planning & Development Committee
- 8 Infrastructure Committee
- 9 Purchase Committee
- 10 Gymkhana and Sports Committee
- 11 Hostel Committee
- 12 Student Grievance Committee
- 13 Anti Ragging Committee
- 14 Internal Complaints Committee
- 15 Woman Grievance Redressal Committee

6.1.6 How does the Institute groom leadership at various levels?

- Participative Governance in all three main areas like Management, Administration and Academics is achieved through active participation through all the levels.

Governing Body members -Formulate policies and regulations regarding finance, administration and academics for effective management of the institution and plan for future expansion and development for this the suggestions given by life members, office bearers and coordinators of various committees are taken into consideration.

The Principal-is incharge of all academic and administrative decisions in the institute. Being life member of Business Council she is also the liaising entity between the Management and the Institute.

HOD & Teachers: Heads of departments are responsible for smooth functioning of an academic progress of their departments. Coordinators and members are nominated from faculty for various committees for administrative, academic, co-curricular and extracurricular activities formed for effective working of the Institute.

6.1.7 How does the Institute delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

- The Institute largely follows a decentralized process of decision making in all operational areas. However, a few key decisions are taken after obtaining approval from the Management. The academic departments are also given operational autonomy with respect to academic administration. Committees are formed for the various curricular, co-curricular and extra-curricular activities to be conducted during the academic year. The departments are encouraged and given financial support to arrange various activities for the benefit of students and faculty. The day to day activities of the Institute are under the administrative charge of two Vice Principals- one for academics and the other for student activities and infrastructure. All committee in-charges and Vice-Principals report to the Principal who is the final authority on all matters.

6.1.8 Does the Institute promote a culture of participative management? If 'yes', indicate the levels of participative management.

- Yes, the Institute promotes a culture of participative management where each unit is given fullest freedom to innovate and make a prospective development plan, yet it operates through a structured organization for disciplined and smooth functioning. The Principal

with the Heads of the Departments discusses the needs, problems and suggestions to improve the educational quality and infrastructure improvements to propose to the management for further action. There are various committees constituted to manage different institutional activities. All the members take active part in the management of the institutional affairs, which is a clear indication of the participative management.

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?

- No, the Institute does not have a formally stated quality policy. But the management is committed to quality and provides education to meet the current local and national needs. It ensures that the best of the staff, adequate infrastructure, equipments etc are made available to the Institute.

Committees are constituted for different activities like teaching-learning, research and extension activities, admission among others.

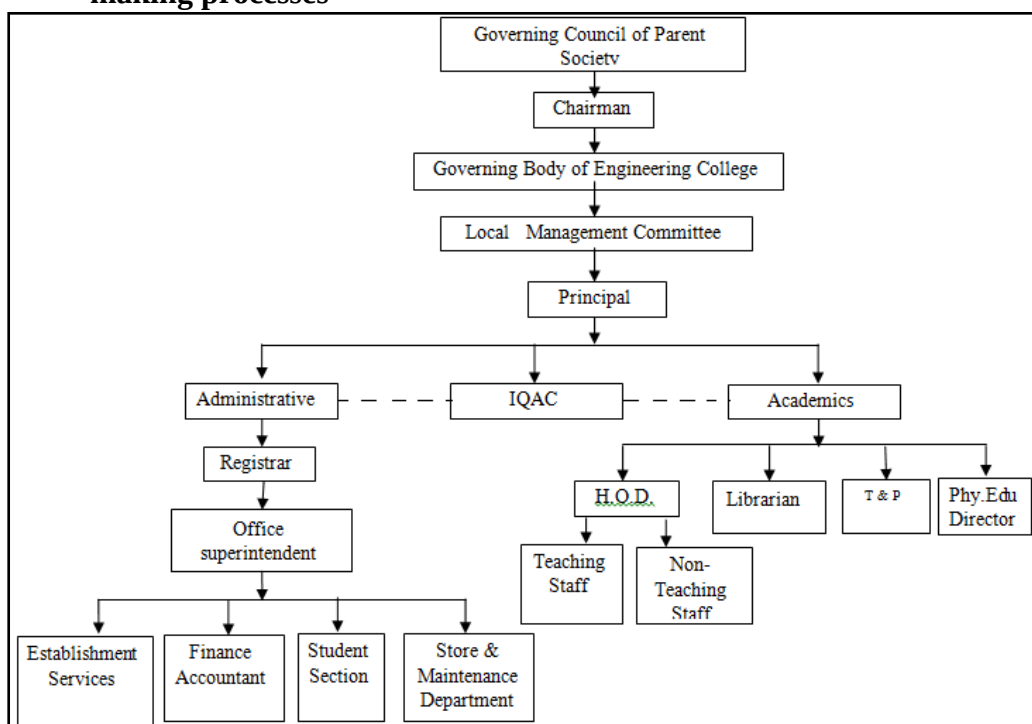
The information is gathered from various committees for further improvement in performance and decision making. The information collected is reviewed periodically. The Principal regularly reviews the activities of different committees through regular meetings with In-charge of committee, departmental heads and members of the teaching and non teaching staff.

The Principal discusses issues raised by different committees with the Management. Therefore, there is a constant feedback to the Management on the academic and administrative processes which boosts the quality of the Institute.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

- Principal, Heads of the Departments and Committee coordinators prepare the outline perspective plans which are then discussed in BoG and LMC meeting. The non-teaching and teaching staff gives suggestions at the departmental level. Suggestions of students' council are also noted by the Principal. After discussion, the plans are approved with required modifications.

6.2.3 Describe the internal organizational structure and decision making processes



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- The quality improvement strategies of the Institute are:

- **Teaching & Learning**

The Institute has qualified, trained and experienced faculties. The Institute encourages the teaching faculty to conduct or attend Faculty Development Programs in each academic year.

Academic Record booklet is filled by staff for theory and practical per subject for a semester. The academic Record booklet is verified and checked at different stages by academic planning committee.

The class rooms and seminar hall of each department are enabled to deliver webinars, PowerPoint presentations with the help of LCDs and network facility. Well equipped Laboratories and lab manuals help students to acquire practical knowledge of subjects.

The effectiveness of teaching – learning process is reviewed by head of the department on regular basis through student feedback which is communicated to the faculty. The concerned faculty then plans for improvements which are monitored on a regular basis for their effectiveness.

Following points are discussed in academic planning committee review meeting:

- Student attendance.
- Results of internal tests like on-line examination which is conducted by University, Midterm tests, open book tests etc.
- Final results of semester and year.
- Student feedback.
- The continuous assessment and attendance monitoring has shown a positive impact on students' results.

- **Research & Development**

Well equipped research lab is available in departments for postgraduate students' projects and faculty research. The equipments, computers are upgraded regularly and consumables are purchased as and when required to strengthen research activities. The Central library is also well equipped with e-resources, print copies of International and national Journals, reference books, computer center and reading room. Yearly R & D budget is allocated by the Institute. The Institute has obtained the status of research centers in Mechanical Engineering, Electrical Engineering, Electronics and Communication Engineering and MBA department. The faculties of the Institute have received sanction for minor research projects by BCUD, SPPU. The Institute has appointed an Academic Research Coordinator (ARC) for smooth conduct of research activities. Financial support has been given to faculties to present/ publish research papers and attend conferences/ workshops.

- **Community engagement**

The Institute has active NSS cell and Magazine ('Karmanya') Committee through which students can participate in different community activities like blood donation camp, PUC camp, tree plantation, environmental cleanliness etc. Students of Magazine Committee interview eminent persons from different fields for the Institute Magazine. The Institute engages in many activities to fulfill its Institutional Social Responsibility(ISR).

- **Human resource management**

The management of the Institute recruits adequate number of qualified teaching and non-teaching staff as per AICTE norms. The procedure of recruitment is very transparent. All posts of teaching staff are widely advertised with details of required qualification as per AICTE and Government norms after verification of Roster from University. The advertisement is published in local, regional and national newspaper. The advertisement is also published on the Institute website along with application form. On receiving duly filled and completed forms they are scrutinized by Institute committee. The call letters are sent to the deserving candidates. A panel of subject experts and University nominees given by University, interviews the candidates. The required

documents of selected candidates are sent to the University for Approval.

If in the middle of the term few vacancies in teaching staff are created, to fill those positions, the Institute Level committee constituted by management, interviews the candidates. After that, a demo lecture is arranged for candidates selected in first round. If the demo lecture is satisfactory, the candidate is selected for the said post.

Faculties can participate in different activates like conferences ,seminars, workshops at local, state, national, international levels organized by department which are funded by AICTE, University and other funding agencies. The Institute also sponsors the faculties for conferences, seminars, workshops at local, state, national, international levels organized by other Institutes.

In the Institute, feedback is taken from students regarding faculties. Each faculty also fills self-appraisal form by giving details of teaching, result of subject taught, department level and Institute level activities coordinated and participated, consultancy, research etc. Head of the Department also appraises the faculty, after which the Principal reviews it.

- **Industry Interaction**

The Institute engages in healthy and regular interface with the industry for students and faculty skill and knowledge enhancement. Industry-Institute interaction provides a platform for practical exposure to the students in terms of sponsored projects, summer internships and industrial training for two months to six months. Almost all departments have arranged industrial visits, lectures of industrial experts. In Technical Event M-Pulse, Industry interaction is involved in terms of Sponsorships, Judges and experts for different events. Industry Interaction is also done through Alumni. The Institute has signed various MOUs and MOCs with different industries and experts for services. The Institute has active Entrepreneur Development cell(ED) and training and placement (T&P) cell. Our faculties are active members of different professional societies or bodies.

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?

- Institute has a well defined system to ensure that enough information is available for management to review the activities of the institution. In the form of periodic reports the information flows from committees/units/groups working in the Institute. The concerned authority reports to the Principal who takes the review of the activities through regular meetings with departmental heads and members of the

teaching and non teaching staff. The Principal sends the Annual Report, Audit reports and Budgets to the Chairman of the Governing body. The Principal also regularly briefs the chairman on the administrative and academic issues. The management takes the feedback of the activities through life member and coordinators (management representatives for the Institute) as well. Therefore, there is a constant flow of feedback made available to the management. Necessary information is shared with other stakeholders too.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- Management, through the Principal, encourages the staff for improvement of institutional process. Instructions and suggestions are given by the Chairman of Business Council and Local Managing Committee (LMC) to the staff through the Principal. Committees are constituted for different activities like teaching-learning, research and extension activities, admission etc. The information is gathered from various committees for further improvement in performance and decision making. The Principal regularly reviews the activities of different committees through meetings with In-charge of committee, departmental heads and members of the teaching and non teaching staff.

The Principal discusses issues raised by different committees with the Management. Therefore, there is a constant feedback to the Management on the academic and administrative processes which encourages and supports involvement of the staff in improving the effectiveness and efficiency of the institutional processes.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

- As per past practice during the last year, a number of meetings of the Management Council were convened for ensuring the better management of the institution. The Institute administrative body had passed a number of resolutions on academic, administrative, financial and other important matters and adopted resolutions have been properly implemented.

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?

- Yes, there is a provision by the affiliating university to proceed for the autonomy according to the status of the institute. All departments are

permanently affiliated to SPPU. The institute has also obtained 2f and 12b certification from UGC. Obtaining autonomous status is in the long term goals of the Institute.

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?

- The complaints and grievances of the stakeholders in the Institute namely students, teaching and non-teaching staff is addressed through the set of committees constituted for various issues. Some of these committees are:
- Anti-ragging Committee.
 - Anti-Ragging Squad.
 - Admission Committee.
 - Examination Committee.
 - Student Council.
 - Women's Grievance Cell.

The above mentioned stakeholders are aware of the process of redressing their grievances through these committees. The redressal mechanism includes review and resolution of complaints as and when they are received. The necessary documents are maintained in confidentiality.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the Institute? Provide details on the issues and decisions of the courts on these?

- No court cases were filed 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?

- Yes; Regular feedback from the students regarding quality of teaching, involvement of faculties and facilities is obtained. To improve the governance process these responses are analyzed. Student feedback on faculty performance is conveyed to respective faculties for improvement. In certain cases management takes necessary action. As a response to student feedback the canteen facility has been upgraded and campus is being made wifi enabled.

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 nonteaching staff?

- The efforts made by the Institute are:
 - Institute encourages the staff for attending Conferences/Seminars, Training programs. Management always supports the staff for organizing seminars and workshops for faculty development.
 - Policies made by Management include financing of registration fees of the various external programs that the faculty participates in.
 - Staffs are encouraged to pursue post graduate, doctoral programmes.
 - Training programmes are conducted in house for non teaching and support staff.

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?

- Management motivates the staff to share the information through reports of departments, reports on seminars held, research papers published by the staff. The skills are shared by intra departmental activities and joint activities like knowledge sharing by subject experts, soft skill training etc.

Management related subjects and Soft skills training is given by management department faculties to the other departments of the Institute. Guidance for computer related subjects for MBA is given by engineering faculties.

Conducive environment is created by giving awards and by felicitating the staff who have done innovative tasks, achieved new heights in career. The teachers who have completed Ph.D. are felicitated by the management. The parent body and Chairman of Business Council also encourage such staff members.

The management takes initiative to motivate the staff to take up research projects, to improve qualifications by enrolling to Postgraduate and Ph.D programme. The library, laboratory and infrastructure facilities of the Institute are available to the staff for pursuing such programmes.

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.

- All faculty members complete the self-appraisal procedure every year on parameters like teaching learning, specific responsibilities/ contribution to the Institute, research and other achievements. Performance Evaluative Reports of regular, temporary / probation staff along with H.O.D. remarks are discussed and recommendations are forwarded to the Governing body of the Institute.

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?

- Institute has a policy of self appraisal and review by respective departmental head for each of the faculty members. Head of the department forwards these forms along with the recommendations to the Principal who then takes the necessary action.

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?

- In order to boost satisfaction and motivation level of the staff various welfare methods like Medical checkup, Tea Club, Mentoring, Group Linked Insurance schemes, Fee concession for faculty and staff wards, Health awareness programs, stress management, support for academic upgradation etc. are in place.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- Right from the inception of the Institute, the management has maintained the reputation that best of teaching talent is selected strictly on basis of merit.
 - Facilities necessary for staff development are provided.
 - Faculties are also supported in their efforts to upgrade qualifications and necessary recognition and reward is given on successful completion.

- Staff is encouraged and motivated to undertake research and other relevant activities, which help them for quality improvement. Necessary budgetary provisions are made and attention is paid to enable the teaching and other staff to participate in various training programmes, seminars, conferences, etc.
- Short duration training programmes and other such activities are arranged from time to time for the benefit of the staff working in various Institutes of the management e.g. seminar on library management, training programmes for office staff in Institute. Encouragement is provided to develop the skills, abilities and talent of the staff.
- Care is taken to ensure that healthy, congenial and cordial atmosphere is maintained in the Institute. LMC, Staff tea club, staff welfare measures, grievance redressal cell, etc. play vital role in this respect.
- Awards are given every year for best administrators, teachers and non teaching staff (other staff) etc. at the P E Society level.

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?

- It is a Self financing Institute. Institute makes use of the revenue generated to meet all its expenses. The Institutional budget is prepared and adhered to with approval of the management. The parent society has assured the institute of financial support in case of any exigencies.

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.

The financial accounts of the Institute are regularly audited in the quarter of April-June every year by external statutory Auditors as per the standard norms of Audit and Government regulations. Additionally the internal administrative and academic processes are also verified through an internal committee which is advised by the external auditor. The last external audit was completed in the month of June 2015 and minor discrepancies identified were ratified and also objection were cleared by the auditor.

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 there serve fund/corpus available with Institutions, if any.

- The major source of institutional funding is student fees as we are a self financed Institute. The Institute formulates regular budgets in order to manage spending so that it can offer quality programmes. The deficit, if any is managed through the support of the parent society. The Institute also has an adequate corpus in form of fixed deposits to tide over administrative and salary requirements of more than six months. The audited income and expenditure statements of academic and administrative activities of the previous four years are given below.

Progressive Education Society's
Modern College of Engineering
1186 A, J. M. Road,
Shivaji Nagar, Pune 411 005.

Income And Expenditure Account For The Year Ended As On 31st March, 2012

Amount as on 31st March 2011	Expenditure	Schedule No.	Amount as on 31st March 2012	Income	Schedule No.	Amount as on 31st March 2012
118311.98	To Opening Stock		57133.00	By Fees Received	7	123653506.00
17187323.25	To Administrative Expenses	9	18827487.00	By Other Receipts	8	2722882.00
579593.00	To Departmental Expenses	10	675261.00	By Interest on SB		604906.00
1675753.00	To Educational Expenses	11	1715595.00	By Interest on F.D.R.		2715639.00
329000.00	To Affiliation Expenses		270000.00	By Closing Stock		62636.00
3593321.00	To Fees Refund		3845496.00	By Excess of Expenditure over Income tr. to Balance Sheet		25586125.00
66544165.00	To Salary & Honorarium		84827026.00			
21342245.00	To Establishment Expenses	12	22994719.00			
26339390.00	To Depreciation		22132977.00			
137709102.23	Total Rs.		155345694.00	Total Rs.		155345694.00

For R.R.Pethe & Co
Chartered Accountants



R.R.Pethe
Partner
M.No- 35945
DATE : 23 June 2012
PLACE : PUNE

For Modern College of Engineering

[Signature]
Principal

DATE : 23 June 2012
PLACE : PUNE

Progressive Education Society's
Modern College of Engineering
1186 A, J. M. Road,
Shivaji Nagar, Pune 411 005.

Income And Expenditure Account For The Year Ended As On 31st March, 2013

2011-12 (Rs.)	Expenditure	Schedule No.	2012-13 (Rs.)	2011-12 (Rs.)	Income	Schedule No.	2012-13 (Rs.)
57133.00	To Opening Stock		62,636.00	123934506.00	By Fees Received	7	190,340,516.50
18827487.00	To Administrative Expenses	9	41,976,203.72	2441882.00	By Other Receipts	8	6,609,538.00
675261.00	To Departmental Expenses	10	598,341.00	604906.00	By Interest on SB		942,151.00
1715595.00	To Educational Expenses	11	1,659,401.82	2715639.00	By Interest on F.D.R.		6,020,381.86
270000.00	To Affiliation Expenses		432,000.00	62636.00	By Closing Stock		83,275.00
3845496.00	To Fees Refund		8,419,294.00	25586125.00	By Excess of Expenditure over Income tr. to Balance Sheet		-
84827026.00	To Salary & Honorarium		115,151,730.00				
22994719.00	To Establishment Expenses	12	124,797.00				
22132977.00	To Depreciation		19,398,627.69				
0.00	To Excess of Income over Expenditure transferred to Balance Sheet		16,172,831.13				
155345694.00	Total Rs.		203995862.36	155345694.00	Total Rs.		203995862.36

As per books of Accounts & informations
& explanations given

For R R Pethe & Co.
Chartered Accountants

R R Pethe
Partner
M No. 35945
Date: 22/06/2013
Place: Pune



FOR MODERN COLLEGE OF ENGINEERING

[Signature]
Principal

Date:
Place: Pune

Progressive Education Society's
Modern College of Engineering
1186 A, J. M. Road,
Shivaji Nagar, Pune 411 005.

Income And Expenditure Account For The Year Ended As On 31st March, 2014

2012-13 (Rs.)	Expenditure	Schedule No.	2013-14 (Rs.)	2012-13 (Rs.)	Income	Schedule No.	2013-14 (Rs.)
62636.00	To Opening Stock		83,275.00	190340516.50	By Fees Received	7	169,166,890.00
41976203.72	To Administrative Expenses	9	49,512,315.00	6609538.00	By Other Receipts	8	4,885,025.00
598341.00	To Departmental Expenses	10	1,697,676.00	942151.00	By Interest on SB		1,677,619.00
1659401.82	To Educational Expenses	11	734,499.00	6020381.86	By Interest on F.D.R.		7,378,272.00
432000.00	To Affiliation Expenses		420,700.00	832275.00	By Closing Stock		107,410.50
8419294.00	To Fees Refund		7,922,789.00	0.00	By Excess of Expenditure over Income transfer to Balance Sheet		61,547,057.13
115151730.00	To Salary & Honorarium		162,239,458.00				
124797.00	To Establishment Expenses	12	124,860.00				
19398627.69	To Depreciation		22,026,701.63				
16172831.13	To Excess of Income over Expenditure transferred to Balance Sheet						
203995862.36	Total Rs.		244762273.63	203995862.36	Total Rs.		244762273.63

As per books of Accounts & informations
& explanations given

For R R Pethe & Co.
Chartered Accountants



R R Pethe
Partner
M No. 035945
Date: 28/06/2014
Place: Pune

FOR MODERN COLLEGE OF ENGINEERING

[Signature]
Principal

Date: 28/06/2014
Place: Pune

Progressive Education Society's
Modern College of Engineering
1186 A, J. M. Road,
Shivaji Nagar, Pune 411 005.

Income And Expenditure Account For The Year Ended As On 31st March, 2015

Amount as on 31st March 2014	Expenditure	Schedule No.	Amount as on 31st March 2015	Amount as on 31st March 2014	Income	Schedule No.	Amount as on 31st March 2015
62,636.00	To Opening Stock		1,07,410.50	16,91,66,790.00	By Fees Received	7	26,21,29,840.00
4,95,12,315.00	To Administrative Expenses	9	8,21,94,244.47	48,85,025.00	By Other Receipts	8	73,97,208.27
16,97,676.00	To Departmental Expenses	10	32,03,512.00	9,42,151.00	By Interest on SB		26,11,455.00
7,34,499.00	To Educational Expenses	11	21,58,732.47	60,20,381.86	By Interest on F.D.R.		1,31,57,316.00
4,32,000.00	To Affiliation Expenses		5,99,800.00	83,275.00	By Closing Stock		-
84,19,294.00	To Fees Refund		18,67,904.00	3,06,08,845.96	By Excess of Expenditure over Income transfer to Balance Sheet		
11,51,51,730.00	To Salary & Honorarium		14,61,75,382.00				
1,24,860.00	To Establishment Expenses	12	1,12,441.00				
1,93,98,627.69	To Depreciation		1,87,45,354.00				
1,61,72,831.13	To Excess of Income over Expenditure transferred to Balance Sheet		3,01,31,038.83				
21,17,06,468.82	Total Rs.		28,52,95,819.27	21,17,06,468.82	Total Rs.		28,52,95,819.27

As per books of Accounts & informations
& explanations given

For R R Pethe & Co.
Chartered Accountants
Firm Reg. No. 113183W

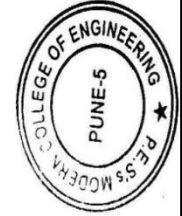
R R Pethe
Partner
M No. 035945
Date:
Place: Pune



For Modern College of Engineering

Principal
Modern College of Engineering

Date:
Place: Pune



6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- The Institute Administration along with faculty members continuously strive for securing additional funding from AICTE, BCUD (SPPU) and other agencies for conducting Seminars, Workshops and other research and extension activities. The alumni also support the institute for various activities. Industry Institute Interaction also provides a platform for funding of various activities. The funds have been used for the purpose they were obtained. In case of any shortfall the parent society supports the institute.

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?**

- The Institute has established IQAC in the year 2010. The main activities of IQAC cell of the Institute are:
 - Draft, evaluate and implement academic and administrative quality policies.
 - Act as Data center which can be useful to submit the Institute data to different agencies.
 - Preparing different reports like Annual Report for Institute and University in the prescribed format, AISHE report, Annual quality Assurance Report (AQAR) etc.
 - Submit various proposals of workshops, seminars, conferences, minor/major projects for different funding agencies.
 - Organize different workshops, seminars, conferences for students and faculties.
 - Each academic department also has an IQAC representative.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

- The activities mentioned in the 6.5.1(a) are approved and implemented after discussion with management.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

- Yes, IQAC has external members as per guidelines given by NAAC. Their valuable suggestions and views help the Institute in overall development.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- As per guidelines given by NAAC, IQAC has alumni as member who actively participates in policy decision making.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- The IQAC communicate to the staff in the meeting with Heads of Departments and the Principal in which discussion of the various policies and decisions are made. The various committees are formed for various activities. IQAC has held meetings with different committee members to communicate different policies and decisions.

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 operationalization.

- Besides the IQAC, the Institute has initiated the process of assuring process quality in the academic and administrative areas by conducting internal reviews in conjunction with the external audits. The said activity is done under the guidance of the auditor. The Institute measures academic standards by considering the quality of academic input, measuring student participation and performance and implementation of educational process. The Institute has developed the following mechanisms for quality assurance within existing academic and administrative systems:

- **Ensuring Quality of the Faculty at Entry Point:** To ensure the quality of faculty recruited, merit is the standard for recruitment. The Institute follows AICTE & UGC norms to recruit the staff. Most of the full time staff of the Institute is approved by the SPPU through UGC interview panel.
- **Faculty Improvement Programme:** Each Department of the Institute organizes different Faculty Development Programmes from time to time, such as National level seminars or conferences, District level seminars or conferences, symposia, orientation programmes on behalf of the SPPU. The Faculty members of different departments are encouraged to participate in different National/International level seminars or conferences organized by various Institutes. They are also encouraged to publish or present the research papers in various conferences for which financial assistance is provided.
- **Participation in Revising Courses of University:** Since the Institute is affiliated to SPPU all departments of the Institute follow University

syllabus. In accordance with the changing needs of society, industry and knowledge explosion the University is required to revise and update syllabus. The faculty members of different departments actively participate in syllabus or course revision of SPPU. Some of the faculty members are on the panel of various committees of the University.

- **Academic linkages with industries:** The Institute aims at enhancing the quality of education for the students of all the engineering and management disciplines. It encourages academic and research collaboration with industries or organizations by signing Memorandum of Understanding (MOU) and Memorandum of Cooperation (MOC) for the purpose of enriching the technical education process and bridging the gap between academics and industry. The Institute has MOUs for skill developments with the following organizations:

Sr.No.	Name of Organization	Specialization
1	IBM	C,C++, Java
2	Twintech Control System Pvt Ltd	Automation and renewable energy sources
3	Unicus Internet Solution LLP	Web Technologies
4	Nyasa infotech	Automation and software solutions
5	Enrich Consultants	Energy Audit, Management and Conservation
6	Shashwat Solutions	Networking
7	Anercon Consultants	Energy Audit
8	Banale Consultancy	Solar Energy and its Utilization, fieldwork
9	BSE Institute Ltd.	Stock Market Fundamentals
10	Opine Group	Business Analytics
11	Sarvshikshan	Scrum , Six sigma

- **Quality Planning, Implementing and Regular measures:**

Institute takes periodic semi-annual review through committee on academic planning for teaching – learning – evaluation process, student's performance and overall development.

The Institute prepares the Annual Reports for AICTE, DTE Maharashtra, and SPPU and does subsequent discussion on it through various Institute committees. The Institute also makes efforts on planning, implementing and monitoring some procedures to enhance

quality of financial practices by preparing budget and its approval for Institute. Thus the Institute has several inbuilt mechanisms to ensure adherence to rules and regulations, proper utility and corrective measures.

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.

- The Institute organizes different Programmes from time to time to ensure awareness of Quality assurance procedures and quality enhancement. The impact of this Quality assurance procedures are academic upgradation, retention of faculties, improvement in student performance and enhanced industry institute interaction.

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?

- The Institute does its academic audit from time to time by review of academic record booklets maintained by faculties, analyzing results of internal tests and university exams. It also takes stock of its academic infrastructure, the library books and journals, and the number of faculty in each department. After analysis, more inputs are given to students and additions are made in the infrastructure and staff to improve the teaching learning process.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- In order to work towards continuous quality improvement and for alignment with the requirements of the relevant external quality assurance agencies/regulatory authorities the mechanism of various academic and administrative processes such as teaching-learning and evaluation, faculty recruitment and their development, Infrastructure audit, research, industry institute interaction, student progression and the overall governance is mapped to the external requirements. The functioning, feedbacks and reviews of the Academic Monitoring Committee, Department Advisory Committee, Program Assessment Committee and other co and extracurricular activity committees which have adequate representation of all stakeholders indicate how the quality assurance mechanisms are oriented towards the requirements of SPPU, NAAC and other external quality assurance bodies.

6.5.6 What institutional mechanisms are in place to continuously

review the teaching learning processes? Give details of its structure, methodologies of operations and outcome?

- The following points are considered for devising the policies on Teaching -Learning Process
- An academic calendar is prepared for student and faculty separately by academic planning committee which is strictly followed by staff particularly for continuous assessment. The teaching staff of the Institute has filled academic record booklet which contains teaching plan along with dates. The head of the department regularly cross checks the teaching plan progress and has discussions with teaching staff.
- Head of the Department periodically collects feedback from students and evaluates the teaching capability of staff and advises them as required.
- Lab manuals are prepared by the teaching staff and made available to the student.
- Performance of the student is continuously assessed for practical as well as theory subjects by staff.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- The Institute communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders through Institute website www.moderncoe.edu.in , admission brochure, Institute/departmental leaflets, Induction program for first year students, institute meetings, communication with parents, recruiters, programme for Industry Institute Interaction, placement brochure, newsletters and Institute Magazine among others.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- The Institute has conducted awareness programme for environmental protection.
- The process has been initiated for conducting formal Green Audit.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- The Institute makes an effort to contribute in environmental protection for campus eco-friendliness.
 - **Energyconservation**
 - The institute does the Energy audit periodically by BEE (Bureau of Energy Efficiency) approved energy auditors. For this the institute received subsidy by MEDA (Maharashtra Energy Development Association).
 - The Institute authority takes initiative to use LED street lights and CFL common lighting inside the Institute campus.
 - The campaign by the student and staff about electrical safety measures and power saving.
 - The Institute building is in L-shape and is fitted with glass windows for maximum utilization of natural light.
 - Almost all Class rooms in the Institute are well-ventilated.
 - Light fixtures on two floors of the Institute have been converted to energy conserving CFL fittings from old florescent tubes.
 - The Institute has a biogas plant in which about 50 kgs./day of wet garbage is processed, which is used in the College canteen
 - The resultant slurry is processed in vermiculture plant.
 - Rain water harvesting is in process
 - **Use of renewable energy**
 - SPPU –BCUD funding of Rs. 2,00,000/- is received for minor project titled ‘Charging of UPS batteries with Photovoltaic cells’.
 - A 2kW Solar photo voltaic for UPS charging is available in seminar halls.
 - The Institute has set up a waste water plant of capacity

20,000 liters of water per day. The plant is operational and this waste water is used in garden and washroom flush.

- **Efforts for Carbon neutrality**
 - In energy audit are carried out to check the carbon dioxide emission percentage.
 - PUC camp arranged regularly for checking pollution control.
 - Organizes 'Vehicle free day'.
 - The institute restricted the usage of plastic bags in the campus.
 - The NSS unit of the Institute has been taken up program like clean Mula and Mutha rivers in the city.
- **Plantation**
 - Trees are planted in the Institute campus.
 - Beautification of river banks, cleansing of river beds and tree plantation on the riverside areas in the city.
 - Under the community Development program faculties and students participate in Tree Plantation rigorously.
 - Students and faculties actively participate in nurturing Plants along with Vasundhara Swachhata Abhiyan members.
- **Hazardous waste management**
 - The Institute authority has initiated Awareness programme on waste management.
 - The Institute has tie up with Pune Municipal Corporation for the disposal of waste materials of different types. All Hazardous waste is separated inside the campus which is collected by Pune Municipal Corporation.
 - The Institute creates awareness about plastic free zone.
- **e-waste management**
 - The Institute authority has initiated Awareness programme on e-waste management.
 - The obsolete computers or products are donated to the agencies, schools where those can be used.
 - The non-working computer spare parts and other non-working equipments are safely disposed outside through the Pune e-waste Agency.
 - The cartridge/tonners of printers are refilled outside the Institute campus through vendor instead of throwing the empty cartridge/tonners.

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.

- The institute does the Energy audit periodically by BEE (Bureau of Energy Efficiency) approved energy auditors. For this the institute receives subsidy by MEDA (Maharashtra Energy Development Association)
- On-line Admission and Student Registration software which is developed by one of our Alumni with our staff members is used for automation and creating different MIS reports.
- Activity planner and Academic calendar have been prepared before commencement of term.
- Academic Planning committee has been formed which actively participate in students admission and registration, attendance monitoring of students, meetings with defaulters and their parents, perform academic audit of Academic Record booklet.
- Life skill management lecture series was conducted to create awareness among the students and staff regarding various skills required for managing the professional and personal life.
- Professional Chapters and associative activities are organized regularly.
- Every Department has student association and various clubs. Numbers of curricular co-curricular, extracurricular, social activities are conducted under these associations.
- New schemes for Library have been introduced like book bank; extra two books issue facility on the maximum usage of library books, Reading club, institutional library membership.
- Faculties are encouraged to participate in seminars, workshops, FDPs and conferences outside the Institute for which financial assistant are provided.
- Medical Insurance for staff and students.
- For Employability of students the Institute takes efforts on:
 - Under Confederation of Indian Industry's (CII) in association with Symbiosis Group grooming of SC / ST students is done; this activity boosts confidence among the students.
 - On-line certification courses/ tutorials of spoken tutorials, NPTEL are made available.
 - Under Life skill management, professional and personal skill development programs are arranged.
- Activities conducted Under the ED cell are:

- Webinar on 'Funding Startups'.
- Regular Interaction sessions with alumni Entrepreneur.
- Training for Entrepreneur.
- Skill Building lectures.
- Workshop on 3-D printed key chains.
- To encourage faculties, students and research scholars to patent their research findings, the Institute organized a seminar on Intellectual Property Rights on World Intellectual Property Day on 26th April 2015 in association with Great Mission Group Consultancy (GMGC) to promote and protect Intellectual Property Rights including Patent, Trademark, Copyright, Industrial Design and Geographical Indication. Besides this the career opportunities for students as Patent Examiner (Class I officer) and Patent Agent was discussed.
- Social Responsibility Initiative
 - Adopted village Velhe and provided career guidance and motivation to the students studying in 8th to 12th std.
 - An active NSS chapter working in Mavadi K.P. village.
 - A number of activities for tree plantation are conducted throughout the year.
 - A blood donation camp is conducted regularly in association with K.E.M. Hospital, Pune.
 - Training is provided to secondary school students in rural areas for career guidance use of electrical and electronic gadgets, basic mathematics etc.
 - Our students also help visually challenged students by converting text to Braille.
 - Regular visits are made to Orphanages and Old Age Homes by the students for celebrating birthdays and other occasions.
 - Career guidance is also provided to engineering and MBA aspirants.
 - Road safety awareness programs are being conducted for school and college going students funded by US based NGO UL&YSA.
- ICT used in
 - Teaching- Learning
 - ✓ Virtual Classrooms
 - ✓ Audio-Video Lab
 - ✓ Language Lab
 - ✓ On-line tutorials
 - Students Activities
 - ✓ E-newsletter, E-Magazines, E-broacher
 - ✓ Blog writing

- ✓ Apps for various activities which are developed by students
- Administration
 - ✓ Biometric system for staff attendance
 - ✓ Training for non-teaching staff about office automation.
 - ✓ Google apps training for staff.
 - ✓ Google groups, whatsapp groups of students and staff for better communication.
 - ✓ Student MIS for admission and registration.
 - ✓ Library MIS.
 - ✓ CCTV used in the campus including central Library.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format (at page no. 98) which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

1 Title of the Practice:

- Academic planning and auditing for academics improvement.
- Life skill management training sessions

2 Goal:

- Academic planning and auditing for academic improvement:
 - To plan and monitor teaching learning process.
- Life skill management training sessions
 - To train students and faculties not only for academics but to enhance their life skills.

3 The Context

- Academic planning and auditing for academics improvement:
 - Academic planning committee actively participates in all the activities from students' registration till the end of the term. Academic record booklet is maintained by each teaching staff. This booklet contains staff time table, class time table, teaching plan, conducted lectures, student attendance etc. This committee also conducts internal audit regularly to monitor syllabus completion and attendance of students. Analysis of issues is done and remedial actions are discussed periodically in the meetings of HODs, staff and committee members. It helps continuous assessment of students in both theory and practical subjects.
- **Life skill management training sessions**
 - Life Skills are those competencies that assist person in functioning well in the environments in which they live. Life

skills have been defined by the World Health Organization as “the abilities for adaptive and positive behavior that enable individuals to deal effectively with the demands and challenges of everyday life”. Training sessions about skill development, personality development, stress management, and yoga meditation are conducted regularly for students and faculties to improve their ability to deal effectively with various demands and challenges. Acting workshops are also arranged per year for students those who are interested to participate in different acting competitions.

4 The Practice

- **Academic planning and auditing for academics improvement:**
 - At the end of every month, meetings are arranged with the parents of defaulter students. Monthly monitoring of syllabus execution is discussed in the department meetings. HODs and concerned staff members planned extra lectures to complete the syllabus.
- **Life skill management training sessions:**
 - Lectures and workshops/practical sessions of eminent and expert speakers from various fields are arranged for students and faculties at department and Institute level.

5 Evidence of Success

- Academic planning and auditing for academics improvement:
 - Improvement in attendance of students.
 - Overall improvement in the result of the students.
- Life skill management training sessions
 - Establish Clear and realistic goals for their personal and professional life.
 - Overall improvement in students' communication skills and personality which boost their confidence.
 - Learn to use relaxation techniques which can be beneficial to manage their stress.

6 Problems Encountered and Resources Required

- In addition to rigorous planning and auditing of academics automation is needed. The Institute is broadly exploring the methods and formats for automation of those activities.
- The academic calendar is packed with activities which include curricular, co-curricular and extracurricular ones which lead to a paucity of time for many more inputs which the college desires to provide to the students.

EVALUATIVE REPORTS OF DEPARTMENTS

Mechanical Engineering

1. Name of the Department: Mechanical Engineering Department

2. Year Of Establishment : 1999

3. Names of Programmes / Courses offered (UG, PG.)

The following programmes are offered in the Mechanical Engineering Department

U.G: Mechanical Engineering

P.G: Mechanical Engineering –Heat Power

PhD: Mechanical Engineering

4. Name of Interdisciplinary courses and departments involved

The list of interdisciplinary courses which are common to various departments is mentioned in the table below:

Sr. No	Semester	Course Code	Class	Course Title	Department
1	I	107009	FE Mechanical	Engineering Chemistry	General Science
2	I	107001	FE Mechanical	Engineering Mathematics I	General Science
3	I	103004	FE Mechanical	Basic Electrical Engineering	Electrical
4	I	107003	FE Mechanical	Fundamental Of Programming Languages I	Computer
5	II	107002	FE Mechanical	Engineering Physics	General Science
6	II	107008	FE Mechanical	Engineering Mathematics II	General Science
7	II	107010	FE Mechanical	Fundamental Of Programming Languages II	Computer
8	II	104012	FE Mechanical	Basic Electronics Engineering	Electronics & Telecommunication
9	II	101011	FE Mechanical	Engineering Mechanics	Civil

10	III	207002	SE Mechanical	Engineering Mathematics III	General Science
11	III	202047	SE Mechanical	Soft Skills	MBA
12	IV	203152	SE Mechanical	Electronics and Electrical Engineering	Electrical

5. Annual/ semester/ choice based credit system (Programme wise):

UG: Semester Pattern

PG: Semester Pattern

6. **Participation of the department in the courses offered by other departments:**

The Department of Mechanical Engineering is participating in courses offered by other departments are:

A.Y. 2011-12

Sr. No	Semester	Course Code	Class	Course Name	To Department
1	I	102006	FE	Engineering Graphics I	Electrical, Electronics and Telecommunication, I.T and Computer
2	II	102013	FE	Basic Mechanical Engineering	Electrical, Electronics and Telecommunication, I.T and Computer
3	II	102014	FE	Engineering Graphics II	Electrical, Electronics and Telecommunication, I.T and Computer
4	I	111007	FE	Workshop Practice	Electrical, Electronics and Telecommunication, I.T and Computer
5	III	202001	SE	Power Plant Engineering	Electrical

A.Y. 2012-13

Sr. No	Semester	Course Code	Class	Course Name	To Department
1	I	102006	FE	Engineering Graphics I	Electrical, Electronics and Telecommunication, I.T and Computer
2	II	102013	FE	Basic Mechanical Engineering	Electrical, Electronics and Telecommunication, I.T and Computer
3	II	102014	FE	Engineering Graphics II	Electrical, Electronics and Telecommunication, I.T and Computer
4	I	111007	FE	Workshop Practice	Electrical, Electronics and Telecommunication, I.T and Computer
5	III	202001	SE	Power Plant Engineering	Electrical

A.Y. 2013-14

Sr. No	Semester	Course Code	Class	Course Name	To Department
1	I	102006	FE	Engineering Graphics I	Electrical, Electronics and Telecommunication, I.T and Computer
2	II	102013	FE	Basic Mechanical Engineering	Electrical, Electronics and Telecommunication, I.T and Computer
3	II	102014	FE	Engineering Graphics II	Electrical, Electronics and Telecommunication, I.T and Computer
4	I	111007	FE	Workshop Practice	Electrical, Electronics and Telecommunication, I.T and Computer

A.Y. 2014-15

Sr. No	Semester	Course Code	Class	Course Name	To Department
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1	I	102006	FE	Engineering Graphics I	Electrical, Electronics and Telecommunication, I.T and Computer
2	II	102013	FE	Basic Mechanical Engineering	Electrical, Electronics and Telecommunication, I.T and Computer
3	II	102014	FE	Engineering Graphics II	Electrical, Electronics and Telecommunication, I.T and Computer
4	I	111007	FE	Workshop Practice	Electrical, Electronics and Telecommunication, I.T and Computer

A.Y. 2015-16

Sr. No	Semester	Course Code	Class	Course Name	To Department
1	I	102006	FE	Engineering Graphics I	Electrical, Electronics and Telecommunication, I.T and Computer
2	II	102013	FE	Basic Mechanical Engineering	Electrical, Electronics and Telecommunication, I.T and Computer
3	II	102014	FE	Engineering Graphics II	Electrical, Electronics and Telecommunication, I.T and Computer
4	I	111007	FE	Workshop Practice	Electrical, Electronics and Telecommunication, I.T and Computer

Courses in collaboration with other universities, industries, foreign institute, etc.: NIL

7. Details of courses/programmes discontinued (if any) with reasons

Sr. No	Semester	Course Code	Class	Course Name	To Department	Reason
1	III	202001	SE	Power Plant Engineering	Electrical	Removed in revised

						syllabus 2012.
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- 8. Number of Teaching posts sanctioned and filled
(Professors/ Associate Professors/ Asst. Professors
For intake of 60 students from SE to BE
without consideration of FE . FE load requires 10
staff more.**

$$R = 1 + 3 + 11$$

UG	Sanctioned	Filled
Professor	5	0
Associate Professor	10	2
Assistant Professor	30	17
Lecturer		19

PG	Sanctioned	Filled
Professor	1	
Associate Professor	1	
Assistant Professor	1	3

- 9. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.)**

Faculty profile is as mentioned in the table below

Sr.No.	Name Of Staff	Qualification	Designation	Specialization	No. of Year Experience		No of PhD Students guided for the last 4 years
					Teaching	Industrial	
1	Mr. S.Y.Bhosale	ME	Asst. Professor	Heat Power	17	Nil	NA
2	Mr. S.D. Mahajan	M.Tech	Lecturer (Adhoc)	Thermal Engg	31	2.6	NA
3	Mrs. S.K. Veer	ME, PhD (Persuing)	Associate Professor	Machine Design	19	2.5	NA
4	Mr. M.M. Nadkarni	M.Tech	Lecturer	Machine Design	10	28	NA

5	Mr. P.G. Rasal	M.Tech	Associate Professor	Maintenace Engg & Mgm	11	25	NA
6	Mr. R.D. Shelke	ME	Asst. Professor	Design Engg	13	2.5	NA
7	Mr. S.M. Ramnani	ME	Asst. Professor	Heat Power	9	22	NA
8	Mr. S.P. Gosavi	ME (Pursuing)	Asst. Professor	Design Engg	8.10	Nil	NA
9	Mr. N.R. Patil	ME	Asst. Professor	Heat Power	7	2.9	NA
10	Mr. B. D. Khairkhar	ME	Asst. Professor	Machine Design	5.5	0.6	NA
11	Mr. H. K. Jha	ME	Lecturer	Heat Power	6.5	Nil	NA
12	Mr. C.K. Gosavi	ME (Pursuing)	Lecturer	Heat Power	4.5	Nil	NA
13	Mr. K.R. Kapadni	ME	Lecturer	Mechanical Automotive	4.5	1	NA
14	Mr. S. S. Darewar	ME	Lecturer	Heat Power	4.2	0.8	NA
15	H.N.Deshpande	ME	Asst. Professor	Heat Power	4.5	Nil	NA
16	Mr. R. F. Dunde	ME (Pursuing)	Lecturer	Heat Power	4	Nil	NA
17	Mr. P. S. Pawar	ME (Pursuing)	Lecturer	Heat Power	4	1	NA
18	Mr. K.S. Gund	ME (Pursuing)	Lecturer	Heat Power	3	1	NA
19	Ms. M.M. Shete	ME	Asst. Professor	Heat Power	6	2	NA
20	Mr. N. B. Patil	ME	Asst. Professor	Machine Design	5	Nil	NA
21	Mr. M.R.Benke	M.Tech	Asst. Professor	CAD/CAM Automation	4	1	NA
22	Mrs.V.S Deshmukh	ME, PhD (Pursuing)	Asst. Professor	Tool Design	23.5	9.25	NA
23	Mr. S.A.Tayade	ME (Pursuing)	Lecturer	Heat Power	3	3	NA
24	Mr. A.R. Chaudhari	ME (Pursuing)	Lecturer	Heat Power	5	1	NA

25	Mr. M.Y.Dakhole	M.Tech	Asst. Professor	Mechanical Design Engg.	5	Nil	NA
26	Mr. M.M.Kawade	MS	Asst. Professor	Industrial Engg.	1.5	1.5	NA
27	Mr.S.B.Patil	M.Tech	Asst. Professor	Design Engg.	3	1	NA
28	Mr.S.K. Vishwakarama	M.Tech	Asst. Professor	Thermal Engg	1.5	0.6	NA
29	Mr. Sagar.R. Patil	ME	Lecturer	Mechanical Design Engg.	2.5	1	NA
30	Ms.S.B.Jadhav	ME	Asst. Professor	Mechanical Design Engg.	3.5	1	NA
31	Mrs.S.S.Limaye	BE	Lecturer	Mechanical Engg.	25	5	NA
32	Mr.S.V.Gosavi	M.Tech	Asst. Professor	Manufacturing Engg..	1.5	Nil	NA
33	Mr.A.S.Tumane	M.Tech	Lecturer	Heat Power	5	1	NA
34	Mr. Y.A.Kadam	M.Tech	Asst. Professor	Automobile Engg	2	2.5	NA
35	Mr. V.R.Gaike	ME	Lecturer	Design Engg.	4	Nil	NA
36	Mr.G.S.Mahajan	M.Tech	Lecturer	CAD/CAM	0.3	Nil	NA
37	Mr.A.M.Dharm	ME	Lecturer	Automotive Engg.	8.4	2	NA
38	Mr.S.B.Lokhande	ME	Lecturer	Heat Power Engg.	3	Nil	NA
39	Mr. Bhalake Suhash B.	ME	Lecturer	Heat Power	3	3	NA
40	Ms. Verma Rishika	M.Tech	Lecturer	Physical Metallurgy	3	Nil	NA
41	Ms. Jog Ila	ME Pursuing	Lecturer	Heat Power	Nil	3.5	NA

**10. List of senior visiting faculty:
A.Y. 2011-12**

Sr.No	Name of faculty	Subject	Qualification	Organization
1	Prof A N Deshpande	Automobile Engg (BE), MQC (TE)	BE Mechanical	Retd. Manager TATA Motors Pune
2	Prof Mrs S A Athawale	MIS (BE)	MBA	MIBM Pune
3	Prof M U Hosmane	Meta (SE), MQC (TE)	MTech Metallurgy	Retd. Manager Bharat Forge Pune
4	Prof D S Mandavgane	IETM (TE)	M.Tech	Retd Manager L&T

		MSD (BE)	Mechanical	John Deer Pune
5	Prof U S Tumne	AT (SE)	ME Mechanical	Retd. Professor MIT Pune
6	Prof G K Pathak	RAC (TE)	ME Mechanical	Professor Emeritus MIT Pune
7	Prof Dr S S Thipse	AT (ME) ICE (ME)	PhD. Mechanical	Asst. Director ARAI Pune

A.Y. 2012-13

Sr.No	Name of faculty	Subject	Qualification	Organization
1	Prof A N Deshpande	Automobile Engg (BE), MQC (TE)	BE Mechanical	Retd. Manager TATA Motors Pune
2	Prof Mrs S A Athawale	IETM (TE) MIS (BE)	MBA	MIBM Pune
3	Prof M U Hosmane	Meta (SE), MQC (TE)	MTech Metallurgy	Retd. Manager Bharat Forge Pune
4	Prof D S Mandavgane	IETM (TE) MSD (BE)	MTech Mechanical	Retd Manager L&T John Deer Pune
5	Prof U S Tume	AT (SE)	ME Mechanical	Retd. Professor MIT Pune
6	Prof G K Pathak	RAC (TE)	ME Mechanical	Professor Emeritus MIT Pune
7	Prof Dr S S Thipse	AT (ME) ICE (ME)	PhD. Mechanical	Asst. Director ARAI Pune
8	Prof Dr M R Nandgaonkar	CFD (ME)	PhD. Mechanical	College of Engineering Pune

A.Y. 2013-14

Sr.No	Name of faculty	subject	qualification	Organization
1	Prof A N Deshpande	Automobile Engg (BE), MQC (TE)	BE Mechanical	Retd. Manager TATA Motors Pune
2	Prof Mrs S A Athawale	IETM (TE)	MBA	MIBM Pune
3	Prof M U Hosmane	Meta (SE)	MTech Metallurgy	Retd. Manager Bharat Forge Pune
4	Prof D S Mandavgane	IETM (TE)	ME Mechanical	Retd Manager L&T John Deer Pune
5	Prof G K Pathak	RAC (TE)	ME Mechanical	Professor Emeritus MIT Pune
6	Prof Dr S S Thipse	ATCT (ME) ACT (ME)	PhD. Mechanical	Asst. Director ARAI Pune
7	Prof N R Dinkar	RM (ME) MTDA (ME)	MTech Modeling	Retd. Manager Suzler India Pune

A.Y. 2014-15

Sr.No	Name of faculty	subject	qualification	Organization
1	Prof A N Deshpande	Automobile Engg (BE), MP II (TE)	BE Mechanical	Retd. Manager TATA Motors Pune
2	Prof M U Hosmane	MQC (TE) Meta (SE)	MTech Metallurgy	Retd. Manager Bharat Forge Pune
3	Prof Dr S S Thipse	ATCT (ME) ACT (ME)	PhD. Mechanical	Asst. Director ARAI Pune
4	Prof Dr C M Sewatkar	CFD (ME)	PhD. Mechanical	College of Engineering Pune

A.Y. 2015-16

Sr.No	Name of faculty	subject	qualification	Organization
1	Prof Dr S S Thipse	ATCT (ME) ACT (ME)	PhD. Mechanical	Asst. Director ARAI Pune

**11. Percentage of lectures delivered and practical classes handled
(Programme wise) by temporary faculty**

A.Y.	Sem	Sr. No	Name Of Faculty	Theory Subject	Th Load	%	Practical Subject	%
2011-12	I	1	Prof. M U Hosmane	Metallurgy (4)	4	50.0	Metallurgy (10)	62.5
		2	Prof U S Tumne	Applied Thermodynamics (4)	4	19.0	-	0.0
		3	Prof. D S Madavgane	Machine Design-I (6)	6	75.0	Machine Design-I (8)	50.0
				Industrial Engineering & Technology Management (4)	4	50.0		0.0
	II	1	Prof. U S Tumne	Power Plant Engineering (4)	4	50.0	-	0.0
				I C Engines (4)	4	50.0	-	0.0
		2	Prof. D S Madavgane	Mechanical System Design (4)	4	50.0	Mechanical System Design (8)	66.7
		3	Prof. M U Hosmane	Metrology & Quality Control (4)	4	50.0	Metrology & Quality Control (8)	50.0
		4	Prof. G K Pathak	Refrigeration & Air-Conditioning (4)	4	50.0	Refrigeration & Air-Conditioning (4)	33.3
		5	Prof. A N Deshpande	Metrology & Quality Control	4	50.0	-	0.0

				(4)				
2012-13	I	1	Prof. U S Tumne	Applied Thermodynamics (2)	2	25.0	-	0.0
		2	Prof. D S Madavane	Machine Design-I (4)	4	50.0	Machine Design-I (8)	50.0
				Industrial Engineering & Technology Management (4)	4	50.0	-	0.0
		3	Prof. M U Hosmane	Metallurgy (2)	2	25.0	-	0.0
		4	Prof. S A Athavale	Industrial Engineering & Technology Management (4)	4	50.0		0.0
		5	Prof. A N Deshpande	Automobile Engineering (4)	4	100.0	-	0.0
	II	1	Prof. U S Tumne	I C Engines (4)	4	50.0	-	0.0
		2	Prof. G K Pathak	Refrigeration & Air-Conditioning (4)	4	50.0	-	0.0
		3	Prof. D S Madavane	Mechanical System Design (4)	4	50.0	Mechanical System Design (8)	50.0
		4	Prof. M U Hosmane	Metrology & Quality Control (4)	4	50.0	-	0.0
		5	Prof. S A Athavale	Management Information System (4)	4	100.0	-	0.0
2013-14	I	1	Prof. U S Tumne	I C Engines (4)	4	50.0	-	0.0
		2	Prof. G K Pathak	Refrigeration & Air-Conditioning (4)	4	50.0	-	0.0
		3	Prof. D S Madavane	Mechanical System Design (4)	4	50.0	Mechanical System Design (8)	50.0
		4	Prof. M U Hosmane	Metrology & Quality Control (4)	4	50.0	-	0.0
		5	Prof. S A Athavale	Management Information System (4)	4	100.0	-	0.0
	II	1	Prof. M Sumadra	Management Information System (8)	8	100.0	-	0.0

		2	Prof. G K Pathak	-	0	0.0	Refrigeration & Air-Conditioning (10)	62.5
		3	Prof. A N Deshpande	Metrology & Quality Control (4)	4	50.0	-	0.0
		4	Prof N R Dinkar	Metrology & Quality Control (4)	4	50.0	-	0.0
		5	Prof. M U Hosmane	Engineering Metallurgy (3)	3	33.3	-	0.0
2014-15	I	1	Prof. M U Hosmane	Material Science (8)	8	100.0	-	0.0
		2	Prof. A N Deshpande	Automobile Engineering (4)	4	100.0	-	0.0
	II	1	Prof. M U Hosmane	Engineering Metallurgy (3)	3	33.3	-	0.0
		2	Prof. A N Deshpande	Manufacturing Process-II (3)	3	33.3	-	0.0
2015-16	I	1	NIL					
	II	2	NIL					

12. Student Teacher Ratio(Programme-wise):

Student Teacher ratio Programme wise has been mentioned in the table below

Sr. No	Programme	Year	No. of Students	No. of Teachers	Students Teacher Ratio
1	UG Mech. (SE, TE, BE + FE)	2015-16	540	38	14:1
2		2014-15	480	34	14:1
3		2013-14	420	36	11:1
4		2012-13	360	32	11:1
5		2011-12	360	26	13:1

13. Number of academic support staff (Technical) and administrative staff: sanctioned and filled

The below given table gives the cadre wise structure of academic support

	Sanctioned	Filled
TA	2	2
Peon	2	2
....		

Workshop	Sanctioned	Filled
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TA	2	2
Peon	2	2
....		

**14. Qualifications of teaching faculty with
DSc/D.Litt/Ph.D/MPhil/PG**

Sr.No	Name	Qualification	Faculty Under
1	Mr. S.Y.Bhosale	ME	Heat Power
2	Mr. S.D. Mahajan	M.Tech	Thermal Engg
3	Mrs. S.K. Veer	ME, PhD (Pursuing)	Machine Design
4	Mr. M.M. Nadkarni	M.Tech	Machine Design
5	Mr. P.G. Rasal	M.Tech	Maintenace Engg & Mgm
6	Mr. R.D. Shelke	ME	Design Engg
7	Mr. S.M. Ramnani	ME	Heat Power
8	Mr. S.P. Gosavi	ME (Pursuing)	Design Engg
9	Mr. N.R. Patil	ME (Pursuing)	Heat Power
10	Mr. B. D. Khairkhar	ME	Machine Design
11	Mr. H. K. Jha	ME	Heat Power
12	Mr. C.K. Gosavi	ME (Pursuing)	Heat Power
13	Mr. K.R. Kapadni	ME	Mechanical Automotive
14	Mr. S. S. Darewar	ME	Heat Power
15	Mr. H.N.Deshpande	ME	Heat Power
16	Mr. R. F. Dunde	ME (Pursuing)	Heat Power
17	Mr. P. S. Pawar	ME (Pursuing)	Heat Power
18	Mr. K.S. Gund	ME (Pursuing)	Heat Power
19	Ms. M.M. Shete	ME	Heat Power
20	Mr. N. B. Patil	ME	Machine Design
21	Mr. M.R.Benke	M.Tech	CAD/CAM Automation
22	Mrs.V.S .Deshmukh	ME, PhD (Pursuing)	Tool Design
23	Mr. S.A.Tayade	ME (Pursuing)	Heat Power
24	Mr. A.R. Chaudhari	ME	Heat Power

		(Pursuing)	
25	Mr. M.Y.Dakhole	M.Tech	Mechanical Design Engg
26	Mr. M.M.Kawade	MS	Industrial Engineering
27	Mr.S.B.Patil	M.Tech	Design Engg
28	Mr.S.K. Vishwakarama	M.Tech	Thermal Engg
29	Mr. Sagar.R. Patil	ME	Mechanical Design Engg
30	Ms.S.B.Jadhav	ME	Mechanical Design Engg
31	Mr.S.V.Gosavi	M.Tech	Manufacturing Engg.
32	Mr.A.S.Tumane	M.Tech	Heat Power
33	Mr.Y.A.Kadam	M.Tech	Automobile Engg
34	Mr.V.R.Gaike	ME (Pursuing)	Design Engg
35	Mr.G.S.Mahajan	M.Tech	CAD/CAM
36	Mr.A.M.Dharme	ME	Automotive Engineering
37	Mr.S.B.Lokhande	ME	Heat Power Engg

15. Number of faculty with ongoing projects from

Sr. No	Name	Project	National/ International	Grant received (Rs)	Agency
1	Prof. S.M. Ramnani	Solar Photo Voltaic for UPS charging()	National	15000	BCUD , Pune
2	Prof. P.G.Rasal	Safer Road Safer India()	International	64000	UL-Underwriter Laboratories & YSA-Youth Services Of America

16. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.

Sr. No	Name	Project	Grant received	Agency
1	Prof. S.G. Taji	Mixed Convection From Horizontal fin array		BCUD , Pune

17. Research Centre/Faculty Recognized by the University

Mechanical Engineering department is one of the actively contributing to Research and development in the fields of engineering. The

Department has been recognized by University of Pune as Research Centre since 2010-11. The objective of the Research Centre is to provide a platform for researchers in the field of applied innovations and to increase the knowledge base of faculty leading to overall development of institute. The research Centre is well equipped with latest software such as MATLAB, ANSYS 11.0, ANSYS 14.0 with CFD, MASTERCAM etc. We are keen to see that our research makes a difference.

Further development requires an extra commitment emphasizing engineering research and taking a one step forward for doctoral program. Recently, University of Pune has recognized the Mechanical Engineering Department of this institute to establish a Center for promoting the research activity. Prof S. M. Ramnani is already working on BCUD funded Research projects. Numbers of post-graduate students have completed their studies with projects integrated with research. Several research papers are published every year by students and staff of the PG department.

Mechanical engineers are often referred to as the general practitioners of the engineering profession, since they work in nearly every area of technology, from Refrigeration, Car Air conditioning, Heat and Mass Transfer, Manufacturing Practices, Energy Conservation and management, Renewable Energy Sources. The Department thus aims to become a premier department among affiliated and other autonomous institutes.

18. Publications

S r N o	AY	Number of papers published in peer reviewed journals (national / Internati onal)	Number of papers publicati on listed in national / Internati onal Conferen ce	Monogr aph	Chap ter in Book	Boo k edit ed	Citati on Index	SN IP	Imp act Fact or	H Ind ex
1	201 5- 201 6	6	0	--	--	--	--	--	--	--
2	201 4- 201 5	8	2	--	--	--	--	--	--	--
3	201 3-	11	2	--	--	--	--	--	--	--

	2014									
4	2012-2013	5	2	--	--	--	--	--	--	--
5	2011-2012	4	11	--	--	--	--	--	--	--

19. Areas of consultancy and income generated: (from AY 2012 – 13 to till date)

Sr.No	Areas of consultancy	Income generated
1	-Trial on Steam Power plant for students of other engineering colleges (SE Mechanical)	Rs 1,58,400/-
2	-Trial on Diesel Power Plant for students of other engineering colleges (BE Mechanical)	Rs 78,800/-

20. Faculty as members in a) National committees :NIL

b)International Committees :NIL

c) Editorial Boards: NIL

21. Student projects

a) Percentage of students(groups) who have done in-house projects including interdepartmental/ Programme

Sr. No.	Year	No. of In-house Projects(Groups)	% of in-house projects
1	2015-16	21/65	32.30
2	2014-15	17/36	47.22
3	2013-14	09/35	25.71
4	2012-13	06/36	16.67
5	2011-12	6/37	16.21

b) Percentage of students(groups) placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies

Sr. No.	Year	No. of Projects(groups) in Collaboration	% of projects done in collaboration
1	2015-16	44/65	67.69
2	2014-15	19/36	52.78

3	2013-14	26/35	74.28
4	2012-13	30/36	83.33
5	2011-12	31/37	83.78

22. Awards / recognitions received by faculty and students

a) Awards received by the faculty

Sr No	Name OF Faculty	Award/Recognitions
1	Prof. K.R. Kapdani	Innovation in increasing mileage of two wheeler – appreciated by Sakal News paper and recognized by Automobile Research lab, RIT, Islampur Feb 2014
2	Prof. H.N. Deshpande	<u>Second prize for research paper presented in Recent Advances in Mechanical Engineering” (ICRAME-2015)</u> Feb, 2015

b) Awards received by the students –Mentioned in tabular form below A.Y.2011-12

Sr. No.	Name of Students	Awards / Recognitions
1	Rohit Kavade (Captain) & Team PEGASUS	Overall champion in EFFICYCLE-2011 SAE –I Competition
2	Rohan Shinde (Captain) Satyajit Bhasale (Driver) TEAM PEGASUS	1 st In Hill Climb Event Best Acceleration Award At SAE INDIA BAJA 2011 Competition
3	Amit Taware	Third in Paper Presentation At Amrutvahini COE, Sangamner
4	Mayur Andulkar & Team	Best Rookie Award In ROBOCON At MIT, Pune.
5	Sanket S Wagh	Second Designer in Pro AutoCAD At MIT, Pune
6	Soham Sonatakke	SAE foundation scholarship Rs. 4000/-
7	Prachi Deshpande	SAE foundation scholarship Rs. 4000/-

A.Y.2012-13

Sr.No.	Name of Students	Award / Recognitions
1	Yogeshwar Hagawane(Captain) Akshay Kawale (Driver) & Team PEGASUS	Best Design Award Best Utility Award At EFFICYCLE – 2012 SAE INDIA
2	Ajinkya Shah (Captain) Vibhav Kashelkar Sanket Jondhale(Driver) &Team PEGASUS	1 st in Pre-final round 2 nd in Skid Pad Event Overall 8 th position at National Go-kart Championship 2012 (SAE LPU chapter)
3	Rohan Shinde (Captain) & Team PEGASUS	1 st in Acceleration event 1 st in skid pad event 1 st in Autocross event in SUPRA SAE- 2012
4	Rohan Shinde (Captain) & Team PEGASUS	First Runners-Up 1 st HILL CLIMB Event in BAJA SAE India 2012
5	Akshay Kawale (Captain) Vikash Das (Driver) & Team PEGASUS	Best Innovation Award at EFFICYCLE 2013 (SAE INDIA)
6	Akshay Kawale (Captain) Vikash Das(Driver) & Team PEGASUS	Best Design Award , Best Utility Award.at EFFICYCLE2013 (SAE INDIA)
7	Vivek M Mahajan	2 nd prize at Excellence Merit Auto Quiz Sinhgad Academy of Engineering, Pune
8	Rohan Saste Chaitanya Sarda	1st prize at Melange Auto Quiz University level Vishwakarma Institute of Technology (VIT), Pune
9	Rohan Saste Chaitanya Sarda	Finalists at Spectacular 2012 Debate Thodamal Shani Engineering College Mumbai
10	Mr. Rohan Saste Mr. Chaitanya Sarda	Finalists at R'Evolution 2012 Rotract Club Akurdi Pimpri Chinchwad
11	Sanskar Bapat	SAE foundation scholarship Rs. 4000/-
12	Yogeshwar Hagawane	SAE foundation scholarship Rs. 4000/-

13	Rohan Saste	3rd prize at Melange Extempore University level held at Vishwakarma Institute of Technology (VIT), Pune
13	Rohan Saste	Honorable Mention Award in Mumbai Model United Nations held at Narsee Monjee International University, Vile Parle, Mumbai
14	Rohan Shinde (Captain)	Cost Report 1 st Best Design 2 nd Top Speed 2 nd in Maneuverability in SASOL BAJA (SOUTH AFRICA International BAJA)
15	Kondiba Parade and team	1 st prize in street play arranged by Red Cross Society Pune
16	Kondiba Parade and team	2 nd prize in street play arranged by Modern Arts Science Commerce College, Pune
17	Chinmay Buzruk	1 st prize Best parliamentarian in Traffic Parliament at Auto Expo Dec 2013

A.Y.2013-14

Sr. No.	Participated Students	Awards / Achievements
1	Ajinkya Ajay Shah (Captain) & Team PEGASUS	Best Captain Award In National Go-kart Championship 2013 (ISNEE)
2	Akshay Kawale (Captain) Vikash Das(Driver) & Team PEGASUS	Best Design Award Best Innovation Award at EFFICYCLE2013 SAE INDIA
3	Rohan Saste	Best Delegate Award In Model United Nations Mumbai (SVKMMUN) University level held at Mithibai College, Vile Parle, Mumbai
4	Ajinkya Ajay Shah	SAE foundation scholarship Rs 4000/-
5	Shreyesh Chaudhary	SAE foundation scholarship Rs 4000/-
6	Kondiba Parade and team	First prize in Street play JALLOSH arranged by Yuva pratisthan
7	Kondiba Parade and team	First prize in Street play arranged by PVG COE

A.Y.2014-15

Sr. No.	Participated Students	Awards / Achievements
1	Bharat Patil and his team	First prize in Street play arranged by International School of business Management
2	Bharat Patil and his team	First prize in Street play arranged by Dnyanasagar Institute of Management. Pune
3	Bharat Patil and his team	First prize in Street play arranged by ASM Institute of Management. Pune
4	Bharat Patil and his team	First prize in Street play arranged by DYP COE Akurdi Pune
5	Bharat Patil and his team	Second prize in Street play arranged by MIBM Pune
6	Jayesh Dhadapale	All India 23 rd rank in GATE

A.Y. 2015-16

Sr. No.	Participated Students	Awards / Achievements
1	Bharat Patil and his team	Third prize in VINODATTAM Karandak (one act play competition)
2	Bharat Patil	Third prize as best director of VINODATTAM Karandak (one act play competition)
3	Tushar Ladole	FIRST prize as best music of VINODATTAM Karandak (one act play competition)

23. List of eminent academicians and scientists/visitors to the department

Sr. No	Eminent academicians and scientists / visitors	Date	Event
1	Mr. V.G. Kelekar Director, SPAN Associates	15/7/11	MESA Inauguration
2	Mr. Vijay More Safety Manager, Atlas Copco	3/7/12	MESA Inauguration
3	Mr. Parth Sarthi Manager-R&D, BEHR India	15/9/12	Engineers day celebration
4	Mr. Chandrashekar Modak Retd. Secretary Govt Of Maharashtra	22 /7/13	MESA Inauguration
5	Mr. Jan Block Director, Nord drive system, Germany	15/7/14	Courtesy visit on the occasion of donation of Gear box model
6	Mr. Tambvekar	15/3/15	Guest lecture on

	Director, Maritime Institute		career in merchant navy
7	Mr. Hemant Uradhwareshe Director ,World Class Quality	19/3/15	Guest lecture on Reliability Engineering
8	Dr.P.P. Chattaraj Add. Director,NATRIP Indore	30/9/2015	SAE BAJAWorkshop

24. Seminars**25. /Conferences/Workshops organized & the source of Funding a) National :**

Sr. No	Name of Student enrichment programmes	Date	Level	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert	Source of Funding
1)	Two days FDP on Finite Element Methods Using ANSYS And MATLAB	13/1/12	Local	Mr. Raghvendra	Project Manager	IFS Academy	IFS Academy
2)	Recent Trends In Heat Exchangers	7/3/12	Local	Dr. N.K. Sane	Professor	Walchand COE	PES MCOE, PUNE
3)	Syllabus Implementation of BME		Local	Dr. P. J. Awasare	Chairman & BOS members Board of Studies	University of Pune	SPPU
Academic Year 2012-13							
1	One Day workshop Robot Design and Control.	25/3/13	Local	Dr.S.S.Ohol	Professor	College Of Engineering, Pune	BCUD, Pune
2	Syllabus implementation for SE 2012 course	5/6/13	Local	Dr. P. J. Awasare	Chairman & BOS members Board of Studies	University of Pune	University of Pune
Academic Year 2013-14							
1	Carsim simulation software training	12/7/13 -13/07/13	Local	Mr. Moyadad Vora	Manager CarSim	Mechanical Simulation Corporation	Carsim
Academic Year 2014-15							
1	SAE & Activity-Workshop of ANSYS & HYPERWORKS	29/09/15 -30/09/15	Local	Mr. Jitendra Mr. Vishal Mr. Apoorv Bapat	Project Engineer	ARF Software solutions ANSYS INDIA Altair Engineering Inc	SAE
2	One day Faculty development Program on Reliability	9/11/15	Local	Mr.R.M.Parkhi	Director	R.M.Parkhi & Associates	PES MCOE, PUNE

b) International :NIL

26. Student profile Programme/ course wise: NA

27. Diversity of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
B.E. Mechanical Engineering	2011-2012	123	4	NIL
	2012-2013	182	2	NIL
	2013-2014	177	3	NIL
	2014-2015	168	5	NIL
	2015-2016	172	6	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Sr No	Year	Name of Examination	Number of Students appeared	Number of students cleared
1	2014-15	GATE	42	9
		CAT	13	0
		GRE / TOFEL /Civil Services / Defense Services	37	6
2	2013-14	GATE	11	2
		CAT	22	0
		GRE / TOFEL /Civil Services / Defense Services	23	1
3	2012-13	GATE	14	3
		CAT	15	0
		GRE / TOFEL /Civil Services / Defense Services	47	22
4	2011-12	GATE	20	7
		CAT	10	2
		GRE / TOFEL /Civil Services / Defense Services	10	3

29. Student progression:

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG-PG	-	34	29	26	22
PG to M.Phil.	-	-	-	-	-

PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed Campus Selection	-	-	16	10	11
Other than campus recruitments	-	-	-	-	-
Entrepreneurship/Self-employment	-	-	-	-	-

30. Details of Infrastructural facilities

a) Departmental Library (MESA LIBRARY)

Carpet Area (m²) – 80 m²

- Number of Titles : 482
- Total No. of Volumes : 1348
- No. of Journals Subscribed : 03
(National/International)
- No. of reference books : 66
- No. of Handbooks : 13
- Institutional membership : 03
- Other Facilities : Internet connections

b) Internet facilities for staff and students

- Central computing facility is available in Department. It is utilized by staff members for the following:
 - Internal / External communication by email
 - Preparation of teaching / learning materials
 - Research work
 - Students use the central computing facility mainly for knowledge update, lab work and research.
- **License Softwares**
 - Operating System – Window 7 & 8 (64 bit)
 - Solid Works 2014-15 academic bundle 300 users
 - Ansys 11.0 Academic Introductory version 25 Licence
 - Ansys 14.0 Academic Introductory version 25 Licence
 - MasterCam X 8.0 30 Users
 - Pro-E wildfire 4.0 500 Users
 - Creo 2.0 2 Users
 - AutoCAD Mechanical 750 Users (freeware AICTE)
 - CATIA V 5-6 Integrated R22 25 users
 - MS Office 2007

Internet Facilities

- Number of computers available – 90 & 2 Laptops
- LAN Facility – Yes
- Internet facility for department -Yes
- Exclusive email facility - <userid>@modern.edu.in

Sr. No.	Name of the ISP	Bandwidth
1.	TATA Communication Pvt. Ltd.	34 Mbps(1:1 LL)
2.	Reliance Communication Pvt. Ltd	10 Mbps(1:1 LL)
3.	Total	44 Mbps

c) Class rooms with ICT facility

S. No	Class rooms with ICT facility		
1	Class Rooms	5	PC with Internet, LCD Projector
2	Seminar Hall	1	PC with Internet, LCD Projector

c) Laboratories

Sr No.	Name of the Laboratory
01	Mechanical Workshop
02	Metrology & Quality Control
03	Dynamics of Machinery
04	CAD Lab III
05	Appld. Thermodynamics / I.C. Engine Lab / Basic Mechanical Engineering
06	Heat Transfer
07	Power plant
08	Turbo machines
09	Engg Metallurgy / Strength of Materials
10	Heat Power/ Refrigeration& Air Conditioning
11	CAD Lab I
12	CAD LAB II

13	Industrial Fluid Power & Fluid Mechanics
14	Theory of machines
15	Mechatronics / Hydraulics & Pneumatics

31. No Of students receiving financial assistance from college, university, government or other agencies:

Year	No of students
2011-2012	175
2012-2013	198
2013-2014	187
2014-2015	219

32. Details on Student enrichment programmes (Special Lectures/Workshops/Seminar) with external expert.
a) Guest lecturers organized

Sr. No	Name of Student enrichment programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
Academic Year 2011-12					
1)	Automotive Mechatronics	30/1/11	Mr. Abhishek Karkare	Proprietor	Pramod Auto Scan
2)	Ashta Aishwarya	15/7/11	Mr. V.G. Kelekar	Director	SPAN Associates
3)	Advances in Refrigeration & A/C's and Global warming	27/2/12 to 28/2/12	Mr. P.C. Pal		
4)	MECHATRONICS – Recent Trends and Applications (AUTOTRONICS)	1/3/12 - 2/3/12			
5)	Patent Procedure	13/4/12	Mr. Shubash Dandwate	Freelancer	-
Academic Year 2012-13					
6)	Fire & Safety	3/7/12	Mr. Vijay More	Safety Manager	Atlas Copco
7)	Energy conservation & management	17/8/12	Mr. Deshpande	Manager	PCRA
8)	Role of Engineer in society	15/9/12	Mr. Parth Sarthi	Manager, R&D	BEHR India

9)	Vivekananda jayanti	11/1/13	Mr.Purohit	Director	Omkar industry
10)	Youth Motivation	18/1/13	Guruji Sanjay Godbole		
11)	Power plant Engineering	30/1/13-31/1/13	Mr. Arvind Paranjape	Retd. Manager	TATA Power
12)	Bramhavidya	31/1/13	Mr. Jayant Phadke	Sadhak	Bramhavidya Sangha
13)	Opportunity for Engineers to build careers in infrastructure development	9/3/13	Dr. Arun Mudbidri	Founder & Principal Director	SAMVIT School of Infrastructure Business
Academic Year 2013-14					
14)	Ethanol; A prospective green energy industry for renewable sustainable auto fuel	8/7/13	Sri. B. H. Shrikanth	Freelancer	-
15)	Career opportunities after Engineering	22 /7/13	Mr.Chandrashekar Modak	Retd. Secretary	GOVT. Of Maharashtra
16)	Novel method of power generation by Anthropogenic Wind Mill	5/08/13	Mr.H.L.Hazare	Freelancer	-
Academic Year 2014-15					
17)	Nord Drive systems visit to PES's MCOE	15/7/14	Mr. Jan Block Mr. P. L Muthusekhar	Director	Nord Drive systems
18)	Hydraulics and Pneumatics	25/7/14	Mr. Vinod Kale	Assistant Manager	Festo Pvt Ltd, Pune
19)	Skill development from college to career	26/2/15	Mr. Sanjay Srivastava	Director	Sriadi Engg. Private Limited
20)	Human Body Kinematics	15/3/15	Dr. Chetanraj Bhamare	Professor	B.J Medical College, Pune.
21)	Opportunities in Merchant Navy	15/3/15	Mr. Tambvekar	Director	Goa Maritime Inst.
22)	Life Data Analysis	19/3/15	Mr. Hemant Uradhware	Director	World Class Quality
Academic Year 2015-16					
23)	Hydraulics and Pneumatics	4/9/15	Mr. Vinod Kale	Assistant Manager	Festo Pvt Ltd, Pune

b) Workshops organized and the source of funding

Sr. No	Name of Student enrichment programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
1)	Two days FDP on Finite Element Methods Using ANSYS And MATLAB	13/1/12	Mr. Raghvendra	Project Manager	IFS Academy
2)	Recent Trends In Heat Exchangers	7/3/12	Dr. N.K. Sane	Professor	Walchand COE
3)	Syllabus Implementation of BME		Dr. P. J. Awasare	Chairman & BOS members Board of Studies	University of Pune
Academic Year 2012-13					
1	One Day workshop Robot Design and Control.	25/3/13	Dr.S.S.Ohol	Professor	College Of Engineering, Pune
2	Syllabus implementation for SE 2012 course	5/6/13	Dr. P. J. Awasare	Chairman & BOS members Board of Studies	University of Pune
Academic Year 2013-14					
1	Carsim simulation software training	12/7/13 - 13/07/13	Mr. Moyadad Vora		Mechanical Simulation Corporation
Academic Year 2014-15					
1	SAE & Activity-Workshop of ANSYS & HYPERWORKS	29/09/15 - 30/09/15	Mr. Jitendra Mr. Vishal Mr. Apoorv Bapat	Project Engineer	ARF Software solutions ANSYS INDIA Altair Engineering Inc
2	One day Faculty development Program on Reliability	9/11/15	Mr.R.M.Parkhi	Director	R.M.Parkhi & Associates

33. Teaching methods adopted to improve student learning

The teaching methods followed by the Department are very innovative including maximum practical exposure thus making the programmes overall more effective. The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis. The skills and knowledge of the teachers are upgraded regularly to make them well verse with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students.

Apart from regular teaching through black board and seminars department can arranged,

- Guest Lecture
- Workshop
- Quiz
- Industrial Visits
- Assignments
- Class Test
- Tutorial
- Seminar
- Feedback Analysis
- Department Library Facility
- Internet Facility
- Providing well equipped laboratories

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities

Sr.no	Programme
1	Cleaning of river
2	Tree plantation
3	Blood Donation Camps
4	Online Tarunai-communication of Pune police with youth
5	Traffic awareness
6	PUC Check up camp
7	Clean and healthy India
8	Celebrating national youth Day
9	Traffic parliament
10	State level youth training centre & youth council
11	Street play
12	Donation through Tech spark
13	I-Vote campaign
14	Cleaning of temple
15	MANAVYA
16	PAN card camp
17	Woman right awareness programme

35. SWOC analysis of Department & Future Plans

SWOC Analysis

1. Strengths

- Department generates revenue by providing power plant facility to other institute for experimentation.
- Intake with fairly high merit.
- Majority of the students passing in 1st class and distinction.
- Good numbers of students perusing higher education.

- Active participation of students in cultural, Social and technical competition / events like Vinodattam, Firodia, Purshottam, Street Play, NSS, BAJA, SUPRA, EFI-CYCLE, GO-CART, ROBOCON, etc

2. Weaknesses

- Insufficient faculty with PhD.
- Lesser research activities.
- Non availability of skilled supporting staff.
- Under-utilization of infrastructure for revenue generation by consultancy and testing.
- Students with poor communication skill.

3. Opportunities

- Adopt approach of more exposure of faculty members and students to practical life by collaboration with industries and research institutions like ARAI, DRDO, etc for enhancing employability.
- Seek autonomy

4. Challenges

- Decreasing trend among students opting for technical education.
- Mediocre education structure in respect of employability.
- Increasing number of technical institutes.

Future plans

- To promote innovation and research activities.
- To arrange minimum two workshops/seminars in every academic year.
- To depute at least 10 faculties per year for training / knowledge up-gradation programs such as FDP, STTP, QIP, seminars, workshops, conferences, software trainings etc.
- To motivate at least 5 faculties per year to publish papers in reputed journals.
- To promote at least 2 faculty members per year to take up funded research projects.
- Recruitment of qualified faculty members.
- To promote training during vacation, vocational training, Industry based projects and industrial visits.
- To encourage faculty for pursuing Ph.D.

Electronics & Telecommunication Engineering

1. Name of the Department:- Department of Electronics & Telecommunication Engineering
2. Year of Establishment:- 1999
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Sr. No.	Name of the Course	Sanctioned Intake
1.	B.E. (E&TC)	120
2.	M.E. (E&TC) (SP)	18
3.	Ph.D.	---

4. Names of Inter-disciplinary courses and the departments / units involved: NA
5. Annual / semester / choice based credit system (programme wise):
Semester : B.E. (E&TC)
Credit based: M.E. (E&TC)(SP)
6. *Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Courses in collaboration with IBM and BSNL

IBM								
Sr. No.	Company Name	Company Sector	Incorporation Status	Disciplines	Level	Date from	Date to	No. of Students
2014-15 Semester-II								
1	IBM Company	IT Sector	MNC	E&TC, IT, Comp	1	10/1/15	17/01/15	DB2 - 14
2	IBM Company	IT Sector	MNC	E&TC, IT, Comp	1	2/2/15	9/2/2015	C/C++ - 26
3	IBM Company	IT Sector	MNC	E&TC, IT, Comp	2	8/3/15	24/03/15	Core Java- 3

2015-16 Semester-I								
4	IBM Company	IT Sector	MNC	E&TC, IT, Comp	1	7/9/15	18/09/15	C/C+ + - 15
BSNL								
2013-14								
1	BSNL	E&TC	Government Undertaking	E&TC	Silver (TE Sem-I)	15/7/13	16/11/13	9
2	BSNL	E&TC	Government Undertaking	E&TC	Gold (TE Sem-II)	13/1/2014	3/5/2014	9
3	BSNL	E&TC	Government Undertaking	E&TC	Platinum (BE Sem-I)	15/7/2014	1/11/2014	9
2014-15								
1	BSNL	E&TC	Government Undertaking	E&TC	Silver (TE Sem-I)	9/7/2014	7/10/2014	10
2	BSNL	E&TC	Government Undertaking	E&TC	Gold (TE Sem-II)	12/1/2015	27/4/2015	10
3	BSNL	E&TC	Government Undertaking	E&TC	Platinum (BE Sem-I)	27/7/2015	26/10/2015	10

8. *Details of courses / programs discontinued (if any) with reasons: **NIL**

9. No of Teaching Post :

UG	Sanctioned	Filled
Professor	3	2
Associate Professor	6	2
Assistant Professor	19	26
Lecturer		1

PG	Sanctioned	Filled
Professor	1	0
Associate Professor	1	1
Assistant Professor	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Mrs. K. R. Joshi	Ph.D.	Principal & Professor	Digital Signal Processing, Medical Image Analysis	T-23	5
Dr. Mrs. A. J. Vyavahare	Ph.D.	Professor	Image Processing, Communication	T-13-I-4	
Mrs. R. S. Kamathe	M.E. (E&TC) Ph.D. (In process)	HOD & Associate Professor	Digital Signal Processing, Medical Image Analysis	T-16.5	
Mr. S. L. Tatuskar	M.E. (Elx) Computer	Assistant Professor	Embedded Systems, Network Analysis	T-23	
Mrs. A.P. Laturkar	M.E. (Elx), Ph.D. (In process)	Associate Professor	Power Electronics, Communication	I-4 T-13.5	
Mrs. C.C. Ghanekar	ME	Associate Professor	Communication	T-26 I-6	
Mrs. S. D. Borde	M.E.(Elx), Ph.D. (In process)	A.P	Wireless Communication, Cognitive Radio	T-12	
Mrs. V. P. Kodgirwar	M.E. (Elx), Ph.D. (In process)	A.P	Communication, Adaptive Antenna Design	T-13.5	
Mrs. D. P. Adhyapak	M.E.(Elx), Ph.D. (In process)	A.P	Communication, Network Analysis	T-11.5	
Mrs. V. V. Hanchate	M.E. (Elx), Ph.D. (In process)	A.P	Image Processing, VLSI	T-11.5	

Mrs. M.S. Kanitkar	M. Tech., Ph.D. (In process)	A.P	Communication, Reconfigurable Antenna Design, VLSI	T-8.5	
Mrs. S. V. Thuse	M.E.(Elx)	A.P	Embedded Systems, Speech processing	T-8.3	
Mrs. R. S. Chaudhari	M.E. (Elx)	A.P	Communication, Embedded Systems	I-0.6 Yrs T-9.5 Yrs	
Mrs. S.G Watve	M.E. (E&TC)	A.P	Speech Processing, Communication	T-8.8	
Mrs. A. P. More	M.E.(E&T C)	A.P	Wireless Communication	T-7	
Mrs. M. A. Kango / Ms. M. S. Tadpatrikar	M.E. (E&TC)	A.P	Wireless Communication, Antenna	T-12	
Mrs. K. A. Adoni	M. Tech.(Micro), Ph.D. (In process)	A.P	Wireless Communication	T-9.9	
Ms. B. R. Baviskar	M.E. (SP)	A.P	Communication, Wireless Sensor Networks	T-4.6	
Mrs. K. A. Musale	M.E. (SP)	A.P	Communication, Wireless Sensor Networks	T-7	
Mr. Ramgopal Sahu	M. Tech.	A.P	Communication Systems, Electromagnetics, Control Systems	T-4.2	
Ms. P. M. Chavan	M.E.	A.P	Communication, Wireless Networks	T-7.10	
Ms. N. R. Sankpal	M. Tech	A.P	Image Processing, Embedded System, VLSI	T-2.4	
Mrs. Aparna Singh	M.E.	A.P	Embedded Systems, VLSI	T-3.5	
Ms. S. S. Bajpai	M. Tech.	A.P	Computer Networks	T-3.7	
Mr. N. N. Parandkar	M.E. (C.N.)	A.P	Communication, Electronic Circuits, Computer Networks	T-1.8	
Mr. R. S. Deo	M.E. (S.P.)	A.P	Speech Processing, Image processing, Communication	T-0.9	
Mrs. M. M. Deshpande	M.E.	A.P	Digital Image Processing	T-5.3	
Ms. S. P. Hon	M.E.	A.P	VLSI, Embedded System Design	T-0.5	

Ms. R. J. Gulhane	M.E.	A.P	Microwave, Communication, Signal Processing	T-1.8	
Mrs. H. V. Kanitkar	M. Tech	A.P	Microwaves, Antennas, Fiber Optics, RF Circuit Design	T-30	
Mrs. M. Chanchlani	M.E	A.P	Digital Image Processing, System Programming and OS, Data Structures	I-1.7 1 T-2.5	
Mrs. P. A. Deshpande	M.E(VLSI & Embedded system)	A.P	Communication, Measurement systems, Power Electronics	I-2.2 T-3.1	
Mr. N. P. Kothari	M. Tech (Communication Engineering)	Lecturer	Microwave, MIMO Antennas, EM Circuit Modeling.	T-0.6	
Mr. Pravin Dhanorkar	ME	A.P	Communication	T-0.6	

11. *List of senior visiting faculty:

Sr. No.	Name of the faculty	Subject	Qualification	Organization
A.Y. 2011-2012				
1	Mr. Ganesh Watve	PPIM	MBA,PMP	Tech Mahindra
A.Y. 2012-2013				
2	Mr. D. S. Mandavgane Mr. S. S. Kamathe Mr. Ganesh Watve	IM ADSP PPIM	ME(Mech.) B.E.(Electronics) MBA,PMP	L&T Limited Wavelet Group Tech Mahindra
A.Y. 2013-2014				
3	Mr. D. S. Mandavgane Dr. Nitin Narappanwar Mr. S. S. Kamathe Dr. Sagar Datir	IM DIP DSP Arch. EVS	ME(Mech.) Ph.D. (IP) B.E.(Electronics) Ph.D. (Biotech)	L&T Limited Panini Group Wavelet Group Modern College of Arts, Commerce & Science
A.Y. 2014-2015				
4	Mr. Sagar Datir	Environmental Studies.	Ph.D. (Biotech)	Modern College of Arts, Commerce & Science

12.*Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sr. No.	Year	Name of faculty	Subject	UG / PG	% Lectures Delivered	
					Theory	Practical
1.	2011-12	Mr. Ganesh Watve	Project Management	PG	20%	--
		Mr. Pratik Oak		UG	2.79%	0.86%
		Mr. Ranjit Sadakale	Digital Image Processing	UG	2.09%	---
			Basic Electronics	UG	---	1.29%
		Mr.D.S. Mandavgane	TMT IM	UG	2.79%	---
2.	2012-2013	Mr.Ganesh Watve	PPIM	PG	20%	---
		Mr.Pratik Oak	DIP	UG	2.79%	---
			DIP	PG	20%	---
			NPL	UG	---	0.86%
		Mrs.Dhanashri Gaikwad	Basic Electronics	UG	1.72%	---
			CS	UG	2.79%	---
		Mrs.Pragati Mahajan	DSP	UG	---	1.72%
			Embedded System	UG	---	0.86%
			CST	UG	---	0.64%
		Mrs. Pragati Mahajan	ICA	UG	2.46%	0.86%
			IM	UG	2.46%	---
		Mr. D. S. Mandavgane				
3.	2013-2014	Mrs. Borhade Sonam	DS	UG	2.46%	3.01%
			AI	UG	20%	---
			DIP	UG		---
		Mr. Nitin Navapanawar		UG	20%	
		Shradha Lonkar	Research	PG	2.46%	---
		A. N.Deshpande	Methodology		20%	---
		Dr. Sagar Datir	IM	PG		---
			EVS	UG		
4.	2014-2015	Mr. Sagar Datir	Environmental Studies.	PG	20%	---
5.	2015-16	Miss. Rashmi Patange	DIP	UG	---	0.64%
			BEE	UG	---	0.21%
		Mr. Sagar Datir	EVS	PG	20%	---

13. Student -Teacher Ratio (programme wise)

Sr. No.	Year	STR = N / F
1	2015-16	14.89
2	2014-15	14.4
3	2013-14	15.42
4	2012-13	15.42
5	2011-12	13.93

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
TA	6	6
Peon	2	2
....		

15. Qualifications of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M. Phil. / PG.

Sr. No.	Name	Qualification	Faculty Under
1	Dr. Mrs. K. R. Joshi	Ph.D.	M.E. (Electronics : Digital Systems) Ph.D. (E&TC)
2	Dr. Mrs. A. J. Vyavahare	Ph.D.	ME(E&TC : Microwave), Ph.D.(E&TC-Image Proccessing)
3	Mrs. R. S. Kamathe	M.E. Ph.D. (In process)	M.E.(E&TC – Instrumentation), Ph.D.(E&TC)
4	Mr. S. L. Tatuskar	M.E.	Electronics-Computer
5	Mrs. A.P. Laturkar	M.E. Ph.D. (In process)	M.E. (Electronics), Ph.D. (ECE)
6	Mrs. S. D. Borde	M.E.(Elx), Ph.D. (In process)	M.E.(Elx), Ph.D.(E&TC)
7	Mrs. V. P. Kodgirwar	M.E. (Elx), Ph.D. (In process)	M.E.(Embedded Systems), Ph.D. (Antenna)
8	Mrs. D. P. Adhyapak	M.E.(Elx), Ph.D.(In process)	M.E.(Elx : Digital Systems), Ph.D. (ECE)

9	Mrs. V. V. Hanchate	M.E. (Elx), Ph.D. (In process)	ME(Electronics: Digital Systems), Ph.D. (E&TC)
10	Mrs. M.S. Kanitkar	M. Tech., Ph.D. (In process)	M.Tech. (E&TC), Ph.D. (Antenna)
11	Mrs. S. V. Thuse	M.E.(Elx)	E&TC
12	Mrs. R. S. Chaudhari	M.E. (Elx)	Digital Systems
13	Mrs. S.G. Watve	M.E. (E&TC)	Microwave
14	Mrs. A. P. More	M.E.(Electronics)	VLSI & Embedded
15	Mrs. M. A. Kango / Ms. M. S. Tadpatrikar	M.E. (E&TC) Ph.D. (In process)	M.Tech. (E&TC), Ph.D. (Antenna)
16	Mrs. K. A. Adoni	M. Tech.(Micro), Ph.D. (In process)	Microwave
17	Ms. B. R. Baviskar	M.E. (SP)	Signal Processing
18	Mrs. K. A. Musale	M.E. (SP)	Signal Processing
19	Mr. R. Sahu	M. Tech.	Electronics Instrumentation
999	Ms. P. M. Chavan	M.E.	E&TC
21	Ms. N. R. Sankpal	M. Tech	VLSI & Embedded
22	Mrs. A. Singh	M.E.	Electronics & Electrical Communication
23	Mr. N. N. Parandkar	M.E. (C.N.)	Computer Networks
24	Mr. R. S. Deo	M.E. (S.P.)	Signal Processing
25	Mrs. M. M. Deshpande	M.E.	Electronics
26	Ms. S. P. Hon	M.E.	VLSI & Embedded
27	Ms. R. J. Gulhane	M.E.	Signal Processing
28	Mrs. H. V. Kanitkar	M. Tech.	Communication
29	Mrs. M. Chanchlani	M.E	Signal Processing
30	Mrs. P. A. Deshpande	M.E(VLSI & Embedded system)	VLSI & Embedded system
31	Mr. N. P. Kothari	M. Tech (Communication Engineering)	Communication Engineering

16. *Number of faculty with ongoing
 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.	Name of Investigator	Title of Research Project	Grant Received	Funding Agency
1.	Dr. Mrs. K. R. Joshi Mrs. R. S. Kamathe	Qualitative & Quantitative Analysis of Medical Images for Better Diagnosis	1,00,000/-	BCUD, University of Pune.
2.	Dr. Mrs. A. J. Vyawahare	Cotton Crop Disease Detection using image processing	1,20,000/-	BCUD, Savitribai Phule Pune University.

18. Research Centre /facility recognized by the University: E&TC
Department has been recognized by Savitribai Phule Pune University
in Academic Year: 2014-15 with Ref. No. 1254 Dated 10/06/2013

19. Publications (up to current year)
a) Publication per faculty (E&TC)

Sr.No.	Name of Faculty (Author/ Co-author)	Title of Book	Publisher	Year of publication
1.	Dr. Mrs. K. R. Joshi	"Image and Video Compression: Fundamentals, Techniques and Applications"	CRC Press	2015

Sr No	AY	Number of papers published in peer reviewed journals (national / International)	Number of papers publication listed in national / International Conference	Monograph	Chapter in Book	Book edited	Citation Index	SNIP	Impact Factor	H Index
1	2015-2016	4	1	--	--	1	--	--	--	--
2	2014-2015	16	9	--	--	--	--	--	--	--
3	2013-2014	15	5	--	--	--	--	--	--	--

4	2012-2013	4	17	--	--	--	--	--	--	--
5	2011-2012	2	15	--	--	--	--	--	--	--

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	Year	Member in National/ International/ Editorial Boards
1.	Dr. Mrs. K. R. Joshi	2011-12	Worked as a Vice -Chair, IEEE Signal Processing Society Chapter, Pune Section
		2012-13	Working as a Chair, IEEE Signal Processing Society Chapter, Pune
		2013-14	
		2013-14	
		2014-15	
		2015-16	
2.	Mrs. R. S. Kamathe	2013-14	Worked as IEEE-WIE (Women in Engineering) Affinity Group, Pune Section Chair
		2013-14	Working as a Secretary for IEEE- SP (Signal Processing) Society Chapter, Pune Section.
		2014-15	
		2015-16	
		2015-16	Working as a Vice -Chair, IEEE-WIE (Women in Engineering) Affinity Group, Pune Section Chair
3.	Mrs. S. D. Borde	2013-14	Worked as Treasurer IEEE-WIE (Women in Engineering) Affinity Group, Pune Section.

22.*Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:-

Sr. No.	Year	Percentage of Students	Inter Departmental Projects
1	2015-16	91.35%	Nil
2	2014-15	81.50%	

3	2013-14	68.08%	
4	2012-13	66.60%	
5	2011-12	79.5	

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:-

Sr. No.	Year	Percentage of Students
1	2015-16	8.6
2	2014-15	18.50
3	2013-14	31.90
4	2012-13	33.30
5	2011-12	20.40

23.*Awards / Recognitions received by faculty and students

Sr. No.	Name of the Staff / Student	Year of Award	Awards/ Recognition Details
Staff			
1	Dr. Mrs. K.R Joshi	2011	Special appreciation for contribution as woman in Engg, by IEEE Pune, Section and Institute of Engineers, Pune, on World Telecom Day.
2.	Mrs. R. S. Kamathe	2015	Best Teacher Award by Progressive Education Society.
3.	Dr. Mrs. A. J. Vyavahare	2013	Best paper presentation in International conference organized by Dr. D. Y. Patil Institute, Pune.
		19/01/2016	CBR NO. 978, Patent filed on "A novel method for early stage Alzheimer decease detection using EEG signals".
Students			
4.	Prajyot Mohite	2012	First Prize in Fifth Signal Processing and Image Processing Project Competition 2012 organized by IEEE Signal Processing Society Pune Section and IEEE- WIE Affinity Group, Pune section for the project title, "Scalable Image coding using EZW Algorithm" in PG Category.
5.	Piyusha Bembalkar	2012	First Prize for paper presentation in ePGCON for the paper titled, "Air Ion Counter".

6.	Meeta Rasal, SnehaVyawahare, Gayatri Sarnobat Shruti Terdalkar	2013	Third Prize in SAC 2012 (Student Awareness Contest) organized by in the 6 th Signal & Image Processing Project Competition 2013, IEEE Pune Section and Sinhgad College of Engineering, Vadgaon.
7.	Balika Tawade	2013	Second Prize in Post Graduate Category in the 6 th Signal & Image Processing Project Competition 2013, organized by Signal Processing Society Chapter & WIE Affinity Group, IEEE Pune Section.
8.	Sameera Auti Prerana Agarwal Tejashree Belhekar	2013	Special Prize in the 6 th Signal & Image Processing Project Competition 2013 by WIE Affinity Group in Undergraduate Category organized by Signal Processing Society Chapter & WIE Affinity Group, IEEE Pune Section.
9.	Gargi Mohokar Shruti Nadkarni SnehaVyawahare	2013	1 st Prize in Undergraduate Category in IEEE Project Competition 2013 Organized by Communication Society Chapter, IEEE Pune Section.
10.	Sourin Ghosh Shashank Dube Abhiruchi Chavan	2013	2 nd prize in Zonal (Mumbai Zone) and stood 42 nd in 200 teams all over India.
11.	Rohan Vardekar Manoj Suradkar Sushant Tanawade	2015	Participated in National Level in Avishkar Competition
12.	Pranjal Hanmante, Sayali Deshmukh Ashwini Raut	2015	Best Start up Prize under Distinction Entrepreneurial Award by Switch Idea at the 5 th National Level Project Competition & Exhibition Convene 2K15 held at SKNCOE, Pune
13.	Rashmi Patange(PG)	2015	1st prize in project competition on Signal and Image Processing was organized in July, 2015 at Modern College of Engineering, Pune by IEEE Signal Processing Society Chapter, Pune Section.
14.	Mamata Lohar(PG)	2015	2nd Prize in project competition on Signal and Image Processing was organized in July, 2015 at Modern College of Engineering, Pune by IEEE Signal Processing Society Chapter, Pune Section.
15.	Saurabh Joshi Abhay Joshi(UG)	2015	1st prize in project competition on Signal and Image Processing was organized in July, 2015 at Modern College of Engineering, Pune by IEEE Signal Processing Society Chapter, Pune Section.

24.*List of eminent academicians and scientists / visitors to the department

Sr. No.	Eminent Academicians and Scientists / Visitors	Date	Event
1	Vivek Velankar	24/01/2011	Youth Participation in Governance
2	A.R Bhujang	1/2/2011	Higher Education at Illinois Institute of Technology
3	Ashish Gupta	18/2/2011	Paper Presesntation Competition
4	V.B Bapat	18/02/2011	Paper Presesntation Competition
5	Sachin Kadam	28/02/2011	Industrial Automation and SCADA
6	Suhas Kane	14/03/2011	Antartica Expidition
7	Dr. Seva PAnda	19/03/2011	Lecture on Computer Vision
8	Sangita Pallod	21/03/2011	Seminar on GATE exam
9	S.N Dharwadkar	19/04/2011	Project exhibition 2K11
10	Ameya Ghatpande		
11	Nakul Deshpande		
12	V.B Bapat		
13	Sai Giridhar Prabhu		
14	Chaitanya Joshi	20/04/2011	
15	Jaydeep Gokhale		
16	Kapil Mehrotra		
17	Manish Kumar Gupta		
18	Chetan paulzagade		
19	Swapnil Belhe		
20	Vishal Veersingh		
21	Dr. Vinay Vaidya	21/06/2011	Project Competition on Signal Processing
22	Krishnan Kuttu		
23	Dr. Aditya Abhyankar		
24	Dr. Seva PAnda		
25	Jaydeep Gokhale		
26	Dr. Mrs M.A Joshi		
28	Mr. Sagar Nikkam, Miss Madhura Shelar	25/08/2011	GD and PI
29	Sudhir Panditrao	22/08/2011	Guest Lecture on Industrial Applications and scope in Mechatronics
30	Marco Chiani	21/10/2011	Seminar on Fundamental Limits and Multiple Antenna Based Methods
31	Dr. Khurjekar		Spectrum Sensing for Cognitive Radio
32	Dr. Mrs. M.A Joshi		Seminar on Sensing for Cognitive Radio
33	Rajib Choudhury	9/1/2012	Session on studies Abroad
34	Madhuresh Kumar	31/01/2012	Session on Line Tracer
35	Dr Govind Swarup	23/02/2012	National level workshop on Wave Theory and Antenna
36	Dr. Amit Deshmukh		
37	Dr. Yashwant Gupta		
38	Dr. Ravindra Y		
39	Dr. B B Godbole		

40	Dr. Rajkumar		
41	Pramod Badgujar	27/02/2012	Seminar on Networking Windows Server
42	Mr. Amol Dhangar	6/1/2012	Session on Networking and Ethical Hacking
43	Mr. Aditya Advani, Mr. Rajendra Thakurdesai	19/03/2012	Interactive session on Communication Skills and Personality Development
44	Sachin Kadam	22/03/2012	Project Exhibition 2k12
45	Jitin Pillai	11/4/2012	
46	Vaibhav Gumaste		
47	Pratik Kamble		
48	Gugale Tejas		
49	Shounak Sharangpani		
50	Kedar Kendhe		
51	Arun Murlidharan		
52	Deshmulh Swapnil		
53	Swapnil Sabade	12/4/2012	
54	Deepak Joshi		
55	Bhushan Garware	13/04/2012	
56	Jayesh Akole		
57	Vishal Virsingh		
58	Sameer Khadilkar		
59	Sachin Kadam		
60	Jaydeep Gokhale		
Year 2012-13			
Sr. No	Name of Speakers or Experts,	Date	Name of Student enrichment programmes
1	Mr. Vishwajit Vyas	23/07/2012	Seminar on GATE
2	Ms Seva Panda	15/09/2012	Engineers Day Celebration
3	Dr. S.A Kelkar	31/08/2012	Workshop on Research Methodology 2012
4	Advocate Mr. A.D Kulkarni		
5	Dr. Sanjay Talwale		
6	Dr. P.N Joshi		
7	Dr. N.N Kulkarni		
8	Dr. D.J Doke		
9	Swati Taufeeque	7/1/2013	Session on Personality Development and Soft Skills
10	Pralhad Deshpande	18/01/2013	Seminar on GATE
11	Yashodhara Bhalerao	25/02/2013	Effective time and stress management for working women
12	Flt.Lt. Ramesh Kumar	22/01/2013	Session on Preperation for Air Force
13	Shonak Sharangpani	25/03/2013	Project Exhibition 2k13
14	Jitin Pillai		

15	Aniket Nene		26/03/2013
16	Ashish Bramhankar		
17	Nitesh Dulal		
18	Deshmukh Swapnil		
19	Sonal Tanksale		
20	Swapnil Sabde		
21	Deepak Joshi		
22	Jayesh Akole		
23	Rashmi Apte		
24	Sameer Khadilkar		
25	Jitesh Butala		
26	Manoj Kale		

Year 2013-14

Sr. No	Name of Speakers or Experts,	Date	Name of Student enrichment programmes
1	Mr. Praneet Pol	9/7/2013	Seminar on Introduction and Applications of Micro controller family from Texas Instruments
2	Mrs Revati Godbole	15/7/2013	Conscious Parenting
3	Prof. V John Mathews.	26/07/2013	Seminar on “Signal Processing for Diagnostic Medicine”
4	Mr. Sahir Chopdar	5/8/2013	Session on Industrial Automation
5	Mr. Vishwajit Vyas	19/08/2013	Session on Awareness on PG Coueses and GATE exam
6	Gaurav Kharkar	23/08/2013	Session on MS Courses
7	Ajinkya Patil	27/08/2013	GD
8	Mr.Abhay Lolekar	28/08/2014	Seminar on Labview
9	Mr. Rajendra Deshpande	16/09/2013	Engineers Day Celebration
10	Mrs Akolkar, Mrs Borde	13/01/2014	Debate
11	Mr. Grijesh Singh	21/01/2014	Session on GATE Preperation
12	Sachin Kadam	24/01/2014	Session on Industrial Automation
13	Yogesh Dandawate	30/01/2014	State Level Workshop on Machine Learning and Computer vision
14	Mandar Kulkarni		
15	Jitesh Butala		
16	Prithviraj Jadhav		
17	Amit Kale	31/01/2014	
18	Tushar Jadhav		
19	Ramakrishnan Bodhula		
20	Sanjay Kadam		

21	Rajendra Joshi	13/03/2014	Session on Industrial Automation
22	Parag Sathe	3/4/2014	Project Exhibitin 2K14
23	Ashish Mahajan		
24	Yogesh Nandanwar	4/4/2014	
25	Vaibhav Saini		
26	Sachin Kadam		
27	jayesh Akole		
28	People from SEED	3/2/2014	Test on C
Year 2014-15			
Sr. No.	Name of Speakers or Experts	Date	Name of Student enrichment programmes
1	Mr. Sai Giridhar Prabhu	30/06/2014	SE Induction Programe
2	Mr. Pranit Parekar	14/7/2014	Session on Applications of Electronics in Robotics and Home Automation
3	Mr. Pandharinath Khatmode	15/09/2014	Engineers Day Celebration
4	Gaurav Thalpati	13/02/2014	M-Pulse Chief Guest
5	Mr. Omkar Bhujad	23/12/2014	Career Opportunities in JAVA2
6	Mr. Mohit Tyagi	5/1/2015	Technical Discussion on Signals and Communication Systems (GATE)
7	Mr. Brijesh Pandey	6/1/2015	GRE : Road to MS in Electronics and Telecommunication
8	Mr.Surood Khare	7/1/2015	Future Trends, Challenges, Opportunities in Computing and Electronic Industry
9	Mr. Nikhil Kardale, Mr. Nakul Deshpande	28/02/2015	Career Guidance to students on the occasion of science day
10	Rajendra joshi	12/3/2015	Session on Industrial Automation
11	Shantanu Karnik	28/03/2015	Project Exhibitin 2K15
12	Ajit Abhyankar		
13	Manish NAgale		
14	Krunal Patil		
15	Amit Kale		
16	Sai Giridhar Prabhu		
17	Nikhil Deshpande		
18	Pramod Joshi		
19	Deepak Joshi		
20	Sagar Dabhole		
21	Akshay Deshpande		
22	C.B Joshi	28/03/2015	Session on Embedded Systems
23	Sooraj Kulkarni	30/03/2015	Project Exhibitin 2K15
24	Shashank Karkare		

25	Sujit Javimalli		
26	Amarja Palekar		
27	Deshmukh Swapnil		
28	Sudarshan Gavi		
29	Ashish Mahajan		
30	Dr. Rishikesh V, Shivkumar R	7/4/2015	Session on Intellectual Property Rights
Year 2015-16			
Sr. No	Name of Speakers or Experts,	Date	Name of Student enrichment programmes
1	Mr. Anand Thobi	30/06/2015	SE Induction Programe
2	Pralhad Deshpande	30/06/2015	Seminar on GATE
3	N.K Lokhande	30/06/2015	Intenational Yoga Day
4	Amit Kale	4/7/2015	IEEE signal and Image Processing Project Competition
5	Jaydeep Gokhale		
6	Mr. Lokesh Sharma	14/07/2015	PG Courses in Management
7	Miss. Pujari	31/08/2015	Session on women saftey and measures
8	Mr. Ajinkya Patil	8/9/2015	GD
9	Ritagya Bhalla		
10	Rohan Vardekar	10/9/2015	Session on Avishkar
11	Mr. Kabir Gaikwad	22/09/2015	Engineers Day
12	Neet Kulkarni	28/10/2015	Conference on Women in the Era of current and emerging technologies
13	Dr. Sincy George		
14	Dr. Sumedha Bhosale		
15	Dipali Kholkar	29/10/2015	Seminar on Advances in Research Methodology
16	Dr. Abegaonkar		
17	Dr. Shankar Deosarkar		

25.*Seminars / Conferences / Workshops organized & the source of funding

a) National b)International

Sr . No.	Title of Seminar / workshops / FDP	Day & Date	Durat ion	Level (Internati onal / National / State / Local)	Name of Speaker s or Experts,	Designat ion of speaker or Expert	Organiza tion of speaker or Expert	Source of funding
1.	Spectru m Sensing	21/10/11	1 Day	Local Level	Dr. Marco Chiani	Professo r	Universit y of Bologna	Organized by IEEE Communic

	for Cognitive Radio: fundamental limits and multiple antenna based methods				Prof. Khurjekar	Professor	VIIT, Pune	ation Soc. Chapter, Bombay
					Dr. Mrs. M. A. Joshi	Professor	COEP, Pune	
2.	Wave Theory & Antenna	23- 25/02/2 012	3Days	National Level	Dr. Govind Swaroop	Director	GMRT, Khodad, Pune	Under QIP of UoP
					Dr. Amit Deshmukh	Professor	Sanghavi COE, Mumbai	
					Dr. Yashwant Gupta	Dean	GMRT, Khodad, Pune	
					Dr. Y. Ravindra	Professor	PICT, Pune	
					Dr. B. B. Godbole	Professor	KBPCOE, Satara	
					Dr. Rajkumar	Professor	DIAT, Pune	
3.	Research Methodology	31/08/1 2	1 Day	Local Level	Dr. S. A. Kelkar	Professor	IIT, Mumbai	Organized by IEEE Communication Soc. Chapter, Bombay
					Adv. Mr. A. D. Kulkarni	Advocate & Registered Patent Agent	Pune	
					Dr. Sanjay Talole	Professor	DIAT, Pune	
					Dr. P. M. Joshi	Professor	Govt. COE, Karad	
					Dr. M. L. Kulkarni	Professor	MAE, Alandi	
					Dr. D.	Professor	---	

					G. Doke	r		
4.	Introduction to MATLAB and MULTISIM	12/01/13 - 19/01/13	1 Day	Local Level	Saumitra Dixit	Team Lead	KPIT Cummins, Pune	IEEE Student Branch
5.	Introduction to LabView	28/02/14	1 Day	FDP	Mr. Abhay Lolekar	Software developer	Infosys Pune	E&TC Department
6	Machine Learning & Computer Vision	30-31/01/2014	2 Days	State Level	Yogesh Dandwate	Professor	VIIT, Pune	Under QIP of UoP
					Mandar Kulkarni	Entrepreneur / CEO	---	
					Jitesh Butala	Senior Design Engineer	IFM Engineering, Pune	
					Prithviraj Jadhav	CEO	Image Provision Technology, Pune	
					Amit Kale	Team Lead	ViAn Technologies Pvt. Ltd., Pune	
					Tushar Jadhav	Professor	VIIT, Pune	
					Ramkrishna Bodhula	Senior DSP Engineer	Wavelet Group, Pune	
					Sanjay Kadam	Joint Director – ECIP	CDAC, Pune	
7	Women in the Era of Current & Emerging Technol	28/10/15	1 Day	Local Level	Neeta Kulkarni	Entrepreneur	Neeta Kulkarni & Associates	IEEE Signal Processing Societies Chapter Pune Section
					Dr. Sincy George	Professor	IIT, Powai, Mumbai	

	ogies				Dr. Sumedh a Bhosale	CEO		
					Deepali Khdkar	Researcher	TCS, Pune	
8	Advances in Research Methodology Advance	29/10/15	1 Day	Local Level	Mahesh Abegao nkar	Associate Professor	IIT, Delhi	IEEE Signal Processing Societies Chapter Pune Section
					Dr. Shankar Deosark ar	Principal	VPCOE, Baramati	

26. Student profile programme/course wise: **NA**

27. Diversity of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
B.E. Electronics & Telecomm. Engineering	2011-2012	119	3	NIL
	2012-2013	111	4	NIL
	2013-2014	117	4	NIL
	2014-2015	94	4	NIL
	2015-2016	115	2	NIL

28.*How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Year	Name of Examination	Number of Students appeared	Number of students cleared
1	2014-15	GATE	84	28
		CAT	2	2
		GRE / TOFEL /Civil Services / Defense Services	5	5
2	2013-14	GATE	42	14
		CAT	4	4

		GRE / TOFEL /Civil Services / Defense Services	4	4
3	2012-13	GATE	21	7
		CAT	1	1
		GRE / TOFEL /Civil Services / Defense Services	14	14
4	2011-12	GATE	3	1
		CAT	0	0
		GRE / TOFEL /Civil Services / Defense Services	18	18

29.*Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG-PG	-	9	9	1 7	1 8
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed Campus Selection	1 1	1 4	2 3	4	2 6
Other than campus recruitments	-	2	1 3	6	8
Entrepreneurship/Self-employment	-	-	-	-	-

30.Details of Infrastructural facilities**a) Library (Departmental)**

Sr. No.	Information	Details
1	Number of Titles	643
2	Number of bks. available /vol.	1266
3	Number of Jr. subscribed in current year(if any)	-----
4	Carpet area for Library (in sq. meter)	25 sqm.
5	Facilities in Library (if any)	1. Reading facility for students 2.Question papers sets 3.Access to bound volume of back dated Journals and magazines
6	Staff Name (handling the Library)	Mrs. S. D. Borde Mrs. B. S. Nirgude
7	E resources membership	-----
8	Institutional membership	-----
9	Any other (special in dept. library)	1. CD's, DVDS for various e- books, personality development, time management. 2. Collection of various non-technical books. 3.Subscription of EFY magazine

b) Internet facilities for Staff & Students

Sr. No.	Company	Capacity
1	Reliance Communication	10Mbps
2	Tata Communication	34Mbps
Total		44 Mbps

c) Class rooms with ICT facility

Sr. No.	Class rooms with ICT facility		
1	Class Room	4	Internet, Computer with interfaces, Projector
2	Seminar Hall	1	Computer with interfaces, Projector, P. A. System

a) Laboratories

Sr. No.	Name of the Lab
1	Design Lab
2	Communication Lab
3	Electronic Circuits Lab
4	Digital Electronics Lab
5	Electronics Measurement Lab
6	Network and Electromagnetic Lab
7	Computer Lab-I
	Computer Lab-II
	Computer Lab-III
8	Elective Lab
9	PG Lab
10	Research and development Lab
11	Server Room

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	No of students
2011-2012	112
2012-2013	149

2013-2014	135
2014-2015	179

32.*Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Year 2011-12					
Sr. No	Name of Student enrichment programmes	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Guest Lecture on Industrial Applications and scope in Mechatronics	22/08/2011	Sudhir Panditrao	CEO and Director	SAN Tecnhomotors Pvt Ltd
2	Seminar on Fundamental Limits and Multiple Antenna Based Methods	21/10/2011	Marco Chiani	Professor	University of Bologno
3	Session on studies Abroad	9/1/2012	Rajib Choudhury	Branch Manager	GEEBEE Education Pvt. Ltd
4	Session on Line Tracer	31/01/2012	Madhuresh Kumar	Business Manager	MBS Group
5	Session on Networking and Ethical Hacking	6/1/2012	Mr. Amol Dhangar	Director	KarROX Technologies Ltd
6	Interactive session on Communication Skills and Personality Development	19/03/2012	Mr. Aditya Advi, Mr. Rajendra Thakurdesai	Software Engineer	Bosch Gmbh, Bengaluru and Infosys

Year 2012-13					
Sr. No	Name of Student enrichment program	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Engineers Day Celebration	15/09/2012	Ms Seva Panda	Director	ViAN Technology
2	Aptitude Test	30/12/2012	Students	--	PES's MCOE, E & TC
3	Session on Personality Development and Soft Skills	7/1/2013	Swati Taufeeque	Senior Trainer	Magneto
4	Seminar on GATE	18/01/2013	Pralhad Deshpande	Center Director	ACE Academy

5	Effective time and stress management for working women	25/02/2013	Yashodhara Bhalerao	Trainer	Visiting faculty at Business Schools
6	Session on Preperation for Air Force	22/02/2013	Flt.Lt. Ramesh Kumar	Flight Lt.	Indian Air Force, Lohgaon Pune

Year 2013-14					
Sr. No.	Name of Student enrichment program	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Conscious Parenting	15/7/2013	Mrs Revati Godbole	Counseling Psychologist	Self Clinic
2	Spin a Yarn	22/7/2013	Mrs. Borde, Mrs Kanitkar	Assitant Prof.	PES's MCOE, E & TC
3	Seminar on "Signal Processing for Diagnostic Medicine"	26/07/2013	Prof. V John Mathews.	Professor	University of UTAH
4	Session on Industrial Automation	5/8/2013	Mr. Sahir Chopdar	Senior manager	Fox India Pvt Ltd.
5	Session on Awareness on PG Coueses and GATE exam	19/08/2013	Mr. Vishwajit Vyas	Management Consultant	GATE Forum
6	Engineers Day Celebration	16/09/2013	Mr. Rajendra Deshpande	Joint Director	Kirloskar, Pune
7	Session on GATE Preperation	21/01/2014	Mr. Grijesh Singh	Senior Trainer	MTNL Mumbai
8	Seminar on Labview	28/02/2014	Mr. Abhay Lolekar	Software developer	Infosys Pune

Year 2014-15					
Sr. No	Name of Student enrichment programm	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Session on Applications of Electronics in Robotics and Home Automation	4/8/2014	Mr. Pranit Parekar	Managing Director	K-imaginations, Pune
2	NDA Visit	24,31/08/2014	Col Tuknait	Col	NDA Pune
3	Engineers Day Celebration	15/09/2014	Mr. Pandharinath Khatmode	Executive manager	John Deere, Pune
4	Session on Fundamentals of	3,4/12/2014	Mr. Deo, Mr. Parandkar, Mr	Asst. Prof., Technical	PES's MCOE, E & TC

	computer		Belekar	Assistant	
5	Career Opportunities in JAVA2	23/12/2014	Mr. Omkar Bhujad	Java Developer	North American Company
6	GRE : Road to MS in Electronics and Telecommunication	6/1/2015	Mr. Brijesh Pandey	Consultant	Spardhaa Consultancy, Pune
7	Future Trends in Electronic Industry	7/1/2015	Mr. Surood Khare	Design Engineer	Intel
8	Career Guidance	28/02/2015	Mr. Nakul Deshpande	Senior Test Engineer	Amdocs Pune

Year 2015-16					
Sr. No	Name of Student enrichment program	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	SE Induction Programme	30/06/2015	Mr. Anand Thobi	Senior Design Engineer	International Electronics Machine
2	Seminar on GATE	30/06/2015	Pralhad Deshpande	Center Director	ACE Academy
3	PG Courses in Management	14/07/2015	Mr. Lokesh Sharma	Proprietor	APTI POWERs
4	Session on women safety and measures	31/08/2016	Miss. Pujari	SAP consultant	Monsento Holdings, Bangalore
5	Seminar on Proteus	1/9/2015	TE students	--	PES's MCOE, E & TC
6	Engineers Day	15/09/2015	Mr. Kabir Gaikwad	Senior HR Executive	Atlas Copco, Pune

33. Teaching methods adopted to improve student learning

- Student Seminars
- Expert Lectures
- Tutorial Sessions
- Industrial Visits
- Mini Projects
- Role Play

34.*Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr. No.	Activity	Date
1.	Social Activity: Watering Plants at Pashan Hill:	06/09/2015
2.	Technology awareness program for rural and urban school students	July, August 2011 - 15
3.	Tree Plantation	15/03/2015

35. SWOC analysis of the department and Future plans

SWOC ANALYSIS

Strengths:

- Mixed, experienced and young professional staff.
- Dynamic and co-operative management of the staff.
- Active industry interaction with the Department.
- Regular participation of the Department students in various cultural activities like Purushottam, Firodiya, Verve, Sakal Karandak, etc. and social programs like blood donation camp, tree plantation, student awareness program etc.
- TEESA with active participation of the Department students.
- Large no. of activities with Professional Society like IEEE.
- Increasing no. of alumni and supporting activities.
- Large no. of Quality Improvement Programs with SPPU.

Weaknesses:

- Due to centralized location, air, noise pollution is more.
- Need to have more Entrepreneurship development initiatives

Opportunities:

1. Additional courses which help engineering students can be easily arranged (for example CCNA, MCSE, MATLAB etc).
2. Can conduct Spoken Tutorials for staff and students from other departments.

3. Can have better industrial institute relationship in R&D, industrial training for both staff and students.
4. Can emerge as Centre for Excellence.

Challenges:

1. Now there are 120+ engineering colleges in and around Pune.
2. Fierce competition for reputed faculty.
3. Quality of student's intake may degrade.
4. Faculty retention is difficult.

Future Plans:

1. To establish as centre of excellence
2. Departmental Biometric attendance system for students
3. Automation of Departmental Library
4. Activities in collaboration with Professional Societies
5. Research projects in collaboration with different funding agencies / industry.
6. To enhance industry institution interaction
7. Introduce regular initiatives for Student and Staff Development
8. Skill upgradation for Technical Assistants
9. Increased departmental social initiatives
10. Unlimited access to digital subscriptions through student login at departmental level.
11. Certification courses for Students and Staff
12. Create avenues for patent filing by Staff / Students

Computer Engineering

1. **Name of the department:** Computer Engineering.
2. **Year of establishment :** 1999
3. **Names of Programmes / Courses Offered (UG , PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., Etc.)**

Sr. No.	Names Of Programmes /Courses	Shift	Intake
1.	UG - Computer Engineering	I	60
2.	UG- Computer Engineering	II	60
3.	ME - Computer Engineering	I	18

4. **Names of interdisciplinary courses and the departments/units involved**
➤ Nil
5. **Annual/semester/choice based credit system (programme wise)**

Sr. No.	Programme	Annual/Semester/Choice Based Credit System
1.	UG	Semester
2.	PG	Semester

6. ***Participation of the department in the courses offered by other departments**
➤ Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Sr. No.	Company Name	Company Sector	Incorporation Status	Discipline	Level	Total Number Of Persons Trained Under The Programme
1	IBM	Private	Yes	C, C++, Java, DB2	UG	200

8. **Details of courses/ Programmes discontinued (if any) with reasons**
➤ Nil
9. **No. of teaching post**

UG	Sanctioned	Filled
Professor	2	1
Associate Professor	4	1
Assistant Professor	11	9
Lecturer		9

PG	Sanctioned	Filled
Professor	1	
Associate Professor	1	1
Assistant Professor	1	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)

➤ **Academic Year 2015-16**

Sr. No.	Name	Qualification	Designation	Specialization	No. Of Years Experience
1.	Prof. Dr. Itkar Suhasini Abhinav	Ph.D. (Comp. Engg.)	Professor & HOD	Operating Systems, Distributed System, Data Mining, System Programming	17+
2.	Ms. Gore Deipali Vikram	M E. (Comp. Engg.)	Associate Professor	Artificial Intelligence, Information retrieval, Software engineering, Opinion mining	16+
3.	Ms. Kulkarni Manasi Kedar	M. Tech. (CS & E)	Associate Professor	Computer graphics, Data mining, Image processing, Database	15+
4.	Ms. Junnarkar Aparna Atul	M E. (Comp. Engg.)	Assistant Professor	Network, Network Security	15+
5.	Ms. Petare Manisha Chandrakant	M.E. (Comp. Engg.)	Assistant Professor	Advance Database, Operating System Design, Cloud Computing	8+
6.	Ms. Baviskar Pallavi Vasudev	M.E. CSE	Assistant Professor	Microprocessor Architecture, Assembly languages, Data Structure, Programming languages	7+
7.	Mrs. Nirwal Deepti Sharad	M. Tech. (Comp. Engg.)	Assistant Professor	Simulation and Modeling, Intrusion Detection, Network	9+
8.	Mrs. Smita S. Patil	M.E. (Comp. Engg.)	Assistant Professor	Operating System Design, Network security, Cloud Computing	6+
9.	Ms. Kajale Renuka Rajendra	M.E. (I.T)	Lecturer	Theory Of Computation, Data Communication	1+ (Industry) 1+ Teaching
10.	Mr. Khadke Kunal Sanjeev	M. Tech. (CSE)	Assistant Professor	Database, Cloud Computing, Operating system	1+
11.	Mr. Rao Vijeth Vivek	M. Tech. (CSE)	Assistant Professor	Data Structure, Data Communication	1+
12.	Mr. Bagadi Abhijeet Ghanshamji	M.E. (Computer Engg.)	Assistant Professor	Computer Network, Pervasive Computing	6(Months)
13.	Mrs. Karve Smita Balasaheb	M.E. (CSE)	Assistant Professor	Network Security, Data Structure	3

14.	Ms. Pawar Prajakta Dagadu	M. Tech. (Computer)	Assistant Professor	Database, District Structure, Operating System	2
15.	Mrs. Sisode Laxmi Rahul	M. Tech. (Computer Engg.)	Assistant Professor	Data Mining, Network Security	5+
16.	Mrs. Kanase Jayaprabha Mayur	M.E. (Comp. Engg.)	Lecturer	Operating System, High Performance Computing, Kernel Development	12+
17.	Ms. Ambekar Prajakta V.	M.E.(Comp)	Lecturer	Networking	5+
18.	Mrs. Y. P. Narwadkar	M.E.(Comp)	Lecturer	Parallel Computing, Compilers	8+
19.	Mrs. Milana Malvadkar	MTech	Lecturer	Computer Network, Data Mining	4+
20.	Mrs. Archita S. Patil	M. E.(Comp)	Lecturer	Data mining, Parallel Programming in Hadoop	0
21.	Mrs. Shital R. Suryawanshi	M.E.(Comp)	Lecturer	Parallel Computing	3+
22.	Ms. Bhosale Varsha Shriram	M.E.(Comp) Pursuing	Lecturer	Data Structure, Cloud Computing	4+
23.	Ms. Joshi Chitra K.	M.E.(Comp) Pursuing	Lecturer	Networking, VANET, Compiler, Data Structure	3+

11. List of senior visiting faculty

Sr. No.	Name of faculty	Subject	Qualification	Organization	Academic Year
1.	Mr. N.J. Joglekar	Human Resources	MBA	-	2011-12
2.	Shefalika Gokhale	Financial Management	MBA	-	2013-14

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty

Sr. No	Year	Name of faculty	Subject
1	2011-12	N.J. Joglekar	Finance and Industrial Management
2	2011-12	Avani Gokhale	Software Testing & quality Assurance
3	2012-13	Sandeep Patil	High Performance Database system
4	2012-13	Shefalika Gokhale	Finance and Industrial Management
5	2013-14	Vaishali Savadi	High Performance Database system
6	2013-14	Renuka Kajale	Theory of Computation

13. Student -Teacher Ratio (Programme Wise)

Sr. No.	SE	TE	BE	Total No. of Student	Total No. of faculty	Student –Teacher Ratio
1	77 (I Shift) 72 (II Shift)	76	94	319	21	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
TA	5	5
Peon	2	2
....		

15. Qualification of teaching faculty with DSC /D.Litt. /Ph.D. /MPhil / PG.

Sr. No	Name	Qualification (AY→2015-16)	Faculty under
1.	Prof. Dr. Mrs. S. A. Itkar	Ph.D.	Computer Engineering
2.	Prof. Ms. D. V. Gore	M.E.	Computer Engineering
3.	Prof. Mrs. M. K. Kulkarni	M. Tech.	Computer Engineering
4.	Prof. Mrs. A. A. Junnarkar	M.E.	Computer Engineering
5.	Ms. Petare Manisha Chandrakant	M.E.	Computer Engineering
6.	Ms. Pallavi V. Baviskar	M.E.	Computer Engineering
7.	Mrs. Deepti S. Nirwal	M.Tech.	Computer Engineering
8.	Mrs. Smita S. Patil	M.E.	Computer Engineering
9.	Mrs. Jayaprabha Kanase	M.E.	Computer Engineering
10.	Mrs. Y. P. Narwadkar	M.E.	Computer Engineering
11.	Ms. Renuka R. Kajale	M.E.(I.T.)	Computer Engineering
12.	Mr. Kunal S. Khadake	M. Tech.	Computer Engineering
13.	Mr. Vijeth V. Rao	M. Tech.	Computer Engineering
14.	Mr. Abhijeet Bagadi	M.E.	Computer Engineering
15.	Mrs. Smita Karve	M.E.	Computer Engineering
16.	Mrs. Prajakta Pawar	M. Tech.	Computer Engineering
17.	Mrs. Laxmi Sisode	M. Tech.	Computer Engineering
18.	Ms. Prajakta Ambekar	M.E.	Computer Engineering
19.	Mrs. Milana Malvadkar	M.Tech.	Computer Engineering
20.	Mrs. Archita S. Patil	M. E.(Comp)	Computer Engineering
21.	Mrs. Shital R. Suryawanshi	M.E.(Comp)	Computer Engineering

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
 A) Publication per faculty/ student

S r N o	AY	No. of papers publish ed in peer reviewe d journal s (nation al / Interna tional)	Number of papers publicati on listed in national / Internati onal Conferen ce	Monogr aph	Chap ter in Book	Boo k edit ed	Citati on Index	SN IP	Imp act Fact or	H Ind ex
1	2015- 2016	15	0	--	--	--	--	--	--	--
2	2014- 2015	23	2	--	--	--	--	--	--	--
3	2013- 2014	8	0	--	--	--	--	--	--	--
4	2012- 2013	9	0	--	--	--	--	--	--	--
5	2011- 2012	5	1	--	--	--	--	--	--	--

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 inter departmental/programme

B) Percentage of students placed for projects in organizations outside the institution i.e.in research laboratories/industry/ other agency

Year →	2011-12	2012-13	2013-14	2014-15
A)Percentage of Students done In house Project	38.16%	58.11%	54.10%	75.00%
B)Percentage of Students placed for project in organization	61.84%	41.89%	45.90%	25.00%

23. Awards / recognitions received by faculty and students

STAFF ACHIEVEMENTS

Sr. No.	Name of Faculty	Awards \ Recognition	Academic Year
1.	Ms. D.V.Gore	Certificate of SCJP with A grade	2000-2001
2.	Mrs.S.A.Itkar	Best Teacher Award by Progressive Education Society in 2004-05.	2004-2005
3.	Mrs.S.A.Itkar	Received award for best Project guide for two consecutive years in the project competition organized by Institute of Engineers, Pune Chapter.	
4.	Ms. D.V.Gore	Warded with best M Pulse coordinator of 2009-10 on the eve of International Women's day.	2009-2010
5.	Ms. D.V.Gore	Received award for best Project guide for two consecutive years in the project competition organized by Institute of Engineers, Pune Chapter	
6.	Ms. D.V.Gore	Awarded with Cambridge International Certificate for Teachers and Trainers with Distinction in the year 2011-12 under Mission 10X program.	2011-2012
7.	Mrs. A.A.Junnarkar	Awarded with Cambridge International Certificate for Teachers and Trainers in the year 2011-12 under Mission 10X program.	
8.	Mrs.A A.Junnarkar	Achieved Cyber roam Certified Network and Security Professional Certification in April 2011.	
9.	Mrs. M. K. Kulkarni	Good Work as a Student Welfare Officer of the college for 3 consecutive years.	
10.	Mrs. M.K. Kulkarni	Published article on "Good to Great Experience" on the Mission 10x Impact portal of Wipro technologies.	2012-2013
11.	Ms. D.V.Gore	Certificate Of Achievement (Coach Award) In ACM International Collegiate Programming Contest In The Event Kanpur-Site 2013 At IIT Kanpur	2013-2014
12.	Ms. D.V.Gore	Best Teacher Award By Progressive Education Society For The Year 2013-2014.	
13.	Mrs. S. A. Itkar	As a resource person in ISTE approved STTP in Pune University 2013-14.	

STUDENT ACHIEVEMENTS 2011-2012

Sr. No.	Name Of Student	Awards \ Recognition
1.	Ganesh Shingnapure	3 rd Position → 'C' Lash (Junior) Competition Under The Event Credenz '11 Held At PICT, Pune.
2.	Tanmay Bargal	Winner up → Volley Ball Tournament Under Pune City Zone-Inter Collegiate Sports Conducted By University Of Pune
3.	Malhari Kharad Milind Tambe	A Grade → Participated In "C++ Programming" Held During 6-Jan To 11-Feb 12 At Seed Beyond The Obvious
4.	Abhay Mone Ishwar Mete Sanket Shinde	A Grade → Participated In "C++ Programming" Held During 6 Jan To 11feb 12 At Seed Beyond The Obvious
5.	Sanket Shinde	A+ Grade → Participated In 'C' Programming" Held During 6 Jan To 11feb 12 At Seed Beyond The Obvious
6.	Abhishek Somwanshi	1 st Position → Participated in "Net-War-King" held during M-Pulse 12 at PESMCOE
7.	Pooja Jakhal Chaitrali Paripatyadar	Finalist → Participated in "Net-War-King" held during M-Pulse 12 at PESMCOE
8.	Anant Mendjogi Pooja Jakhal	Finalist → Participated in "C-on-Test" held during M-Pulse 12 at PESMCOE
9.	Manjiri Kut	1 st Position → Participated in 'I-Maze' held during M-Pulse 12 at PESMCOE
10.	Sujata Chaudhari Tanushree Bobde	2 nd Position → Participated in 'I-Maze' held during M-Pulse 12 at PESMCOE
11.	Anubhav Srivastav	Finalist → Participated in "Krazzy Keys" held during M-Pulse 12 PESMCOE
12.	Pranoti Watve	First → Participated in "I-Maze" held during M-Pulse 12 PESMCOE
13.	Madhuri Kalekar Jayashri Virkar Rupali Pawar Suvarna Gaikwad	Presented Paper In International Conference, On Information, Knowledge & Research In Engg. Rajkot, Gujarat

ACHIEVEMENTS OF THE STUDENTS**Year-2012-13**

Sr. No.	Name Of Student	Awards \ Recognition
1.	Vaidhehi Lad	Excellent Performance → SAEINDIA Western Section Annual Social 2012 At ARAI, Pune
2.	Ajinkya Jaisingkar	Runners UP → Pune City Zone – Inter Collegiate Sports(Basket Ball) Held At University Of Pune
3.	Ankit Patil	Winner → Participated In “Treasure-Hunt” During M-Pulse 13 At PESMCOE
4.	Sharvari Sawant	First → Participated In Spandan In “Departmental Skills” 2013 By PESMCOE, Pune
5.	Vaidehi Lad	First → Participated In Spandan In “Departmental Skills” 2013 By PESMCOE, Pune
6.	Jaimini Majali	Second → Participated In “Blind Programming” During VIBRANT 2012 At SGI, Pune
7.	Pooja Mutha Jaimini Majali Pooja Mhetre	Finalist → Participated In “Treasure.Zip” During M-Pulse 13 At PESMCOE
8.	Tanmay Bargal	Winner → National Level Inter-Engineering Sport Meet “SUMMIT '12” (Volleyball) Held At MIT, Pune
9.	Tanmay Bargal	Winner → Inter-Engineering State Level Competition(Volley Ball) “Gandharva '12” Held At VIIT, Pune
10.	Tanmay Bargal	Winner → Pune City Zone – Inter Collegiate Sports(Volley Ball) Held At University Of Pune
11.	Tanmay Karve	Winner → Pune City Zone – Inter Collegiate Sports(Basket Ball) Held At University Of Pune
12.	Ganesh Shingnapure	Second → Participated In “Blind Coding” During Xenos 12 At SIT, Lonavala
13.	Ganesh Shingnapure Akshay Shinde	Third → Participated In “Blind Coding” During Innovation 13 At RSCOE, Pune
14.	Ganesh Shingnapure Akshay Shinde	Third → Participated In “Crysis C/C++” During Innovation 13 At RSCOE, Pune
15.	Ganesh Shingnapure Akshay Shinde	First → Participated In “C-Maestros” During MIT Tesla 13 At MITCOE, Pune
16.	Ganesh Shingnapure	First → Participated In “Let Us See” During Perception 13 At VIIT, Pune
17.	Tanushree Mahajan	A Grade → Completed A Course On “Introduction To Oracle 10g : SQL” At Seed InfoTech, Pune
18.	Tanushree Mahajan	B+grade → Completed A Course On “Java Programming” At Seed InfoTech, Pune
19.	Tanmay Karve	Second → Inter-Engineering State Level Competition(Basket Ball) “Gandharva '12” Held At VIIT, Pune
20.	Nikhil Jain	Runner up → Participated In “Mad Adds Scripting” During Firodia Hostel Blithchorn 2K13

21.	Nikhil Jain	Winner→Participated In “Designing/Editing” During Firodia Hostel Blithchorn 2K13
22.	Ishwar Mete	B Grade→Completed Course On Java Programming At Seed InfoTech
23.	Aditya Bhosale	Winner→Participated In Inter-Engineering State Level Competition(Volley Ball) “Gandharva ‘12” Held At VIIT, Pune
24.	Nikhil Jain	Winner→Participated In Cricket Tournament During Blithchorn 2K13 At Firodia Hostel, Pune
25.	Aditya Bhosale	Winner→Participated In Volley Ball Event During Zest’13 At COEP
26.	Aditya Bhosale	Winner→National Level Inter-Engineering Sport Meet “SUMMIT ‘12” (Volleyball)Held At MIT, Pune
27.	Nikhil Jain	Second→Participated In Box Cricket During ALACRITY 2013 National Level Technical, Cultural & Sports Mega Event At AISSMS’s IOIT, Pune
28.	Tanmay Bargal	Winner→Participated In Volley Ball Event During Zest’13 At COEP
29.	Tanmay Bargal	Winner→Participated In Volley Ball Event During MH-12 Sports Festival 2012-13 At PES Modern College Of Arts, Science & Commerce, Pune
30.	Tanmay Karve	Winner→Participated In Basket Ball Event During Zest’13 At COEP
31.	Tanmay Karve	Winner→Participated In Basket Ball Event During PACE’13 At Army Institute Of Technology, Pune
32.	Tanmay Karve	Winner→Participated In Basket Ball Event During Inter-Engineering Sports Meet SPIRIT’13 Held At VPCOE, Baramati.
33.	Yogesh Sharma	A Grade→Completed A Course On “Advance Android” At Mind Scripts
34.	Piyush Mangrulkar	Winner→ Participated In “Jiffy Java” During ALACRITY 2013 National Level Technical, Cultural & Sports Mega Event At AISSMS’s IOIT, Pune
35.	Yogesh Sharma	A+ Grade→Completed A Course On “Advance Android” At Mind Scripts.
36.	Piyush Mangrulkar	Second→Participated In “Byte Code” During Melange 2013 At VIT, Pune
37.	Amit Rajeshwarkar	Second→Participated In “Jiffy Java” During ALACRITY 2013 National Level Technical, Cultural & Sports Mega Event At AISSMS’s IOIT, Pune
38.	Amit Rajeshwarkar	Finalist→Participated In “ Byte Code” During Melange 2013 At VIT, Pune
39.	Prateek Dubey	Third→Participated In “Techkriti” During M-Pulse 13 At PESMCOE
40.	Ram Pradhan	Finalist→Participated In “C-Way” During Technovanza 2013 At VJTI, Mumbai
41.	Ram Pradhan	Finalist→Participated In “Byte Code” During Melange 2013 At VIT, Pune.
42.	Ram Pradhan	Second→Participated In “Jiffy Java” During ALACRITY 2013 National Level Technical, Cultural & Sports Mega Event At AISSMS’s IOIT, Pune
43.	Kalyani Joshi Madhuri Jadhav	Third→Participated In 2 nd National Student Project Contest 2013 Held At College Of Technology And Engineering, Udaypur

44.	Komal Ghadage Snehal Prayag Madhuri Jadhav Kalyani Joshi	Second→Participated In National Student Project Contest Of Computer Society Of India At Cummins COE, Pune.
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ACHIEVEMENTS OF THE STUDENTS (Year-2013-14)

Sr. No.	Name Of Student	Awards \ Recognition
1.	Akshay Shinde Ganesh Shingnapure Rohit Agrawal	Certificate of Achievement→Participated In ACM International Collegiate Programming Contest In The Event Kanpur Site - 2013 At IIT Kanpur
2.	Tanmay Bargal	Winner→Inter-Collegiate Volleyball Tournament
3.	Tanmay Bargal	Runner up→Inter-Zonal Volleyball Tournament
4.	Tanmay Bargal	Winner→MIT Summit (Volleyball)
5.	Tanmay Bargal	Third→Deccan Gymkhana Volleyball Tournament (Open)
6.	Tanmay Karve	Winner→Inter-Collegiate Basketball Tournament
7.	Tanmay Karve	Winner→Inter-Zonal Basketball Tournament
8.	Sharvari Sawant	Winner→Inter-Zonal Lawn Tennis Tournament
9.	Sharvari Sawant	Winner→Inter-Collegiate Lawn Tennis Tournament
10.	Sonali Kakade	2 nd Position →In M-Pulse “Treasure Zip” 2014 By PESMCOE, Pune.
11.	Akshay Shinde Ganesh Shingnapure	Winner →Top-Coder Event Organized By Sinhgad Engineering Institute, Pune
12.	Akshay Shinde Ganesh Shingnapure	Winner → Jishin’14 In SQL Lodester Organized By Bharati Vidyapeeth’s College Of Engg For Women, Pune
13.	Akshay Shinde Ganesh Shingnapure	Winner→ Jishin’14 In Code It Organized By Bharati Vidyapeeth’s College Of Engg For Women, Pune
14.	Akshay Shinde Ganesh Shingnapure	Winner → Alacrity In Code Chef At National Level Technical, Cultural Sport Mega Event By AISSMS’s IOIT.
15.	Akshay Shinde Ganesh Shingnapure	Winner → M-PULSE 2014 In Dark light By PESMCOE, Pune.
16.	Akshay Shinde Ganesh Shingnapure	Winner → M-PULSE 2014 In Dig D Bug By PESMCOE, Pune
17.	Akshay Shinde Ganesh Shingnapure	Winner →M-PULSE 2014 In Allied Force Coding By PESMCOE, Pune
18.	Akshay Shinde Ganesh Shingnapure	Second Position → M-PULSE 2014 In Code-C-Kers By PESMCOE, Pune.
19.	Akshay Shinde Ganesh Shingnapure	Third Place →Credenz’13 In Webweaver By PICT, Pune
20.	Ganesh Shingnapure	Winner → Frantic Perception Of Jishin’14 Organized By Bharati Vidyapeeth’s College Of Engg For Women, Pune
21.	Ganesh Shingnapure	Second Position → Codem-Gamble Event Of Pragya’2014, A National Level Technical Fiesta Organized By Shri Guru Gobind Singji Institute Of Engineering And Technology, Nanded.
22.	Tushar Pandit	First Runner up→Participated In National Level Socio – Technical Symposium;S “Crysis” Held At JSPM’s Rajashree Shahu College Of Engineering,Pune
23.	Ketaki Bhoyar	Best Paper Award→Participated In Paper Presentation Of Cpgcon2014 Held At Matoshree College Of Engineering And Research Center, Nashik

24.	Richa Ranalkar	Best Paper Award→Participated In Paper Presentation Of Cpgcon2014 Held At Matoshree College Of Engineering And Research Center, Nashik
25.	Sushila Shelke	Best Paper Award→Participated In Paper Presentation Of Cpgcon2014 Held At Matoshree College Of Engineering And Research Center, Nashik
26.	Milind Gaikwad	First →Participated In Paper Presentation Competition In National Level Technical Event Jishin '14 Organized By BVCOEW, Pune
27.	Milind Gaikwad	First Prize→Participated In State Level PG Students Project Competition Sanshodhan 2014 Organized By MIT COE, Pune
28.	Sanket Shinde	Best Outgoing Student→ In Computer Department, PESMCOE, Pune

ACHIEVEMENTS OF THE STUDENTS Year-2014-15

Sr. No.	Name Of Student	Awards \ Recognition
1.	Aishwarya Deshpande	Second→Spandan (singing)
2.	Priyanka Auti	Winner→Participation in Spandan
3.	Priyanka Auti	Winner→Sinhgad Karandak
4.	Aboli Patre	Winner→Code-C-Kers
5.	Manisha V. Narsale	Winner→Code-C-Kers
6.	Pritesh Gandhi	Winner→Allied Force
7.	Parag Gujal	Runner up→ Progressive Modern College Society Tournament
8.	Swapnil Awekar	Winner→Pune District Cricket Association
9.	Vaidehi Lad Pooja Mutha Pooja Mhetre	Publish Paper→International Journal Of Research In Engineering And Technology
10.	Rutuja Bhatamrekar	Publish Paper→International Journal Of Computer Science And Information Technology Research
11.	Amit Gupte Sourabh Joshi Pratik Gadgul Akshay Kadam	Publish Paper→International Journal Of Computer Science And Information Technologies
12.	Kavita Athnikar, Prajakta Shirke, Snehal Tajare, Mukta Tarkasband	Publish Paper→International Journal Of Computer Trends And Technology
13.	Usha Dalvi, Sonali Kakade, Priyanka Mahadik, Arati Chavan	Publish Paper→International Journal Of Engineering Research And Reviews
14.	Sanjogta Khobragade Sanyukta Khobragade	Publish Paper→International Forum Of Researchers Students And Academicians

15.	Varsha Ingale Manisha Lole Vrushali Mande Kajal Birdawade	Publish Paper→International Forum Of Researchers Students And Academicians
16.	Akash Suryawanshi Rasika Anerao Utkarsh Mehta	Publish Paper→International Journal Of Computer Trends And Technologies
17.	Sonali Vaidya Anushri Aware Priyanka Asture Varsha Gaiwal	Publish Paper→International Journal Of Research And Technological Science
18.	Ketan Vaze Rugved Deshpande Surat Singh Rathode Tushar Jarhad	Publish Paper→International Journal Of Emerging Trends And Technology In Computer Science
19.	Jaimini Majalim Rishikesh Niranjana Vinamra Phatak Omkar Tadakhe	Publish Paper→International Journal Of Computer Science And Information Technologies
20.	Akshay Karale Avinash Bhoir Nilesh Pawar Rahul Vyavhare	Publish Paper→International Journal Of Computer Trends And Technology
21.	Rajeshree Mohalkar Shweta Todkar Kshitheeja Fadtare	Publish Paper→International Journal Of Computer Science And Information Technology Research
22.	Rohit Kulkarni Aditi Chavan Ahinav Hardikar	Publish Paper→International Journal Of Computer Science And Information Technology

24. *List of eminent academicians and scientists / visitors to the department

Sr. No	Eminent academicians and scientists / visitors	Date	Event
1.	Shailaja S. Bhadgamkar (Data Specialist, Data Warehousing & Business Intelligence, IBM Pune)	17/02/2011	M-Pulse 2011 (National level Techno-Management event)
2.	Ashish S. Gokhale (Senior Software Developer, Synerzip)	17/02/2011	M-Pulse 2011
3.	Ramesh Varadharisan (All scripts)	15/02/2012	M-Pulse 2012
4.	Deepak Jadhav (SunGard)	15/02/2012	M-Pulse 2012
5.	Dr. Niyati Chhaya , Ph.D Computer Science (University of Maryland)	18/01/2014	Seminar on Business Intelligence
6.	M.D. Peshave (Tata Motor ,Pune)	17/02/2014	M-Pulse 2014
7.	Balasubramanian Shanmugam	18/02/2014	M-Pulse 2014

	(All scripts)		
8.	Ramesh Varadarajan (Global Operational Manager ,Allscripts)	18/02/2014	M-Pulse 2014
9.	Shantanu A. Natu	01/03/2014	Project Exhibition
10.	Rohan Mahasalkar	01/03/2014	Project Exhibition
11.	S. Ananthakrishnan (Prof. INSA Senior Scientist, Electrical Science Department, khodat, Pune)	13/02/2015	M-Pulse 2015
12.	Suhas Kaklij (Test Analyst Infosys, Pune)	14/02/2015	M-Pulse 2015
13.	Ganesh R. Shingrapure (Software Engineer, Persistent Systems Ltd.)	14/02/2015	M-Pulse 2015
14.	Akshay Gundecha (Director, Animations 8 Clarity First)	14/02/2015	M-Pulse 2015
15.	Sarang Anant Kunte (Consultant, Principal Financial Group)	14/02/2014	M-Pulse 2015
16.	Akshay N. Shinde (Software Engineer, Persistent Systems Ltd.)	14/02/2014	M-Pulse 2015
17.	Anubhav Shrivastava (Full Stack Developer, Tavisca Solutions Pvt Ltd.)	14/02/2014	M-Pulse 2015
18.	Vinita Ahirwar (Sr. System Engineer, Infosys Ltd.)	28/03/2015	Project Exhibition
19.	Kiran Kadam (Capgemini India Pvt. Ltd.)	28/03/2015	Project Exhibition
20.	Jagdish Birajdar (Capgemini India Pvt. Ltd.)	28/03/2015	Project Exhibition
21.	Kshipra Kode (Tibco Software India)	28/03/2015	Project Exhibition
22.	Rohit D. Sadgune	05/09/2015	Project Exhibition
23.	Girish Khilari DirectorOmnePresent and Chair, IEEE Computer Society - Pune Section	21/01/2015	Big Data and Hadoop

25. Seminars/ Conferences/Workshops organized & the source offunding a)National b)International

S r. N o	Title of Seminar/ workshops /FDP	Dat e & Da y	Durat ion	Level (International /National/State/ Local)	Name of Speaker s or Experts ,	Designa tion of speaker or Expert	Organiza tion of speaker or Expert	Source of fundin g
1	Big Data Hadoop	21, 22 Jan 2015	2 days	National	Mr.Vikram Daga	Chief Technical Officer	Linux world informat ics PVT. LTD	Univer sity

26. Student Profile Programme/Course Wise: NA

27. Diversity Of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
B.E. Computer Engineering	2011-2012	63	1	NIL
	2012-2013	60	3	NIL
	2013-2014	57	2	NIL
	2014-2015	97	3	NIL
	2015-2016	118	4	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, Etc.?

Academic Year	Name of Examination	Number of Students appeared	Number of students cleared
2011-2012	GATE	13	08
	GRE	05	04
	TOEFL	05	05
	CMAT	05	04
	MBA-Mht-CET	04	04
	CDSE	02	-
	AFCAT	02	-

	MPSC	01	-
	CAT	03	02
2012-2013	GATE	14	11
	GRE	20	20
	TOEFL	17	17
	CMAT	03	03
	IELTS	01	01
	CET	02	02
2013-2014	GATE	14	10
	GRE	06	06
	TOEFL	02	02
2014-2015	TOEFL	03	03
	GRE	03	03
2015-2016	GRE	03	03
	TOEFL	02	02
	IELTS	02	02

29. *Student progression

Student Progression	Against % Enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG To PG	47.36	44.44	31.14	19.12	
PG To M.Phil.					
PG To Ph.D.					
Ph.D. To Post-Doctoral					
Employed • Campus Selection	39.47	38.89	27.86	27.94	39.47
Other Than Campus Recruitment	2.63	25	34.42	2.63	25
Entrepreneurship/Self-Employment	-	2.77	-		

30. Details of Infrastructural facilities

- a) Library b) Internet facilities for Staff & Students
c) Class rooms with ICT facility d) Laboratories

a) Departmental Library

Name of Department: Computer
2007

Establishment Year: 2006-

Sr. No.	Information	Details
1	Number of Titles	671
2	Number of bks. available /vol.	1126
3	Number of Jr. subscribed in current year (if any)	CSI
4	Carpet area for Library (in sq. meter)	22.3 Sq.M
5	Facilities in Library (if any)	Issuing of Books, Project reports, Cds, Magazines
6	Staff Name (handling the Library)	Ms. Sandhya G. Alhat
7	E resources membership	IEEE, ACM
8	Institutional membership	CSI

b) Internet facilities for Staff & Students

- Department has up-to-date computer facility with latest configurations and necessary licensed software.
- Intranet is used as a backbone with fiber optic network to provide Internet facility, which is utilized by students and staff for academic activities like accessing digital libraries, on line educational videos, research and project work.
- In the departments computer labs have LAN with structured cabling.
- Central Computing facility is available for extended hours and on holidays to support staff and student for their academic and co-curricular and extra-curricular activities.

- Every computer in the lab has Latest Security solutions like Firewall, Content Filtering and Intrusion Detection software installed.
- All computers have Licensed Antivirus installed and regular updates are downloaded and installed on the computers.
- Following table gives brief description of internet service provider in the Institute.

Sr. No.	Name of the ISP	Bandwidth
4.	TATA Communication Pvt. Ltd.	34 Mbps(1:1 LL)
5.	Reliance Communication Pvt. Ltd	10 Mbps(1:1 LL)
6.	Total	44 Mbps

c) Class Rooms With ICT Facility

Sr. N	Class Rooms With ICT Facility		
1.	Class Room	02	Projector, Internet, Audio visual aids, Virtual Classroom , Multimedia.
2.	Seminar hall	01	Projector, Internet, Audio visual aids, Virtual Classroom , Multimedia.

d) Laboratories

Sr. No	Laboratory Description
1	System Lab
2	Software Lab-I
3	Software Lab-II
4	Online Teaching Lab
5	Project Lab
6	PG Lab
	Hardware Lab

32. Number of students receiving financial assistance from college, university, government or other agencies

- Nil

33. Details on student enrichment programmes (special lectures / workshops / Seminar) with external expert

Academic Year: 2011-2012

Sr.no.	Name of Student enrichment programs	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1.	Career opportunities in CYBER CRIME	27.07.11	Mr.Sagar Rahurkar,	Consultant.	DATA64 Techno Solutions Private limited.
2.	Aptitude Test and discussion for solving the same	24.08.11	Mukesh Satpute	Technical Expert	Carrier Launcher, Pune
3.	Seminar on Robotics	12.10.11	Technical Member, CRESE	Technical Expert	Center for Robotics and Embedded System Excellence in association with Carnegie Mellon University
4.	Seminar on Java	22.02.12	Rahul Kondhe	Sr. Software Engineer	Karox Technologies
5.	Seminar on Mobile Computing	15.03.12	Kenneth Lobo Somyaranjan Dass Jaysingh Thakur	Consultant	Appin Technologies Ltd.
6.	Riverside Cleanup Drive	21.01.11	Ocean Savers India & Pune Municipal Corporation	Social Activity	Pune Municipal Corporation
7.	Seminar on Linux Computing	10.8.2012	Vandana Salve	Software Engineer	Symantec, Baner, Pune
8.	Industrial Visit to Infosys under the Spark Programme 2012	11.8.2012	Gurman Liddear (Alumni)	Software Engineer	Infosys Software Ltd.
9.	Seminar on Personality Development and Soft Skills	30.8.2012	Mr.Nadeem Kazi	NLP Practitioners	NFNLP(USA)
10.	Seminar on J2EE, AJAX and Studs	25.10.12	Mr. Vishwa Ojha	Software Engineer	V-Space Pvt. Ltd

11.	Seminar on Mainframe Technologies	3.1.13	Mr. N.Rajesh	Software Engineer	Maples, IBM
12.	Seminar on Android Technologies	28.1.13	Technical Head	Software Engineer	Spark Technologies
13.	Workshop on Web Application Development using PHP	12.3.13 to 16.3.13	Mr.Prawin Bhise	Software Engineer	Logic bits Systems Pvt. Ltd.
14.	Seminar on personality development	11/07/2013	Mr.Nadeem Kazi	Certified NLP Practitioner-NFNLP(USA)	NFNLP(USA)
15.	Workshop on Ethical Hacking	24/07/2013 & 25/07/2013	Mr. Sangeet Chopra	Cyber Cure Solutions Pvt. Ltd.	Consultant
16.	Workshop on Latex	23/08/2013 & 24/08/2013	Mr. Aniruddha Rumale	Assistant Professor	SVPM's College of Engineering, Malegaon
17.	Seminar on BUSINESS INTELLIGENCE	02/01/2014	Mr. Anand Kolharkar	Software Engineer	Opine Group
18.	Seminar on Java Client server Programming	26/12/2013	Mr. Rahul	Trainer	SEED InfoTech Pvt. Ltd
19.	Workshop on Application Development using C# and .NET	5/2/2014 To 8/2/2014	Mr. Pravin Bhise	Software Engineer	Logic Bits Pvt. Ltd.
20.	MONGO DB	07/07/2014	Mr. Vikas Patel	Software Engineer	SunGard Systems
21.	Pranayam Rahasya	10/07/2014	Mr. N.K. Lokhande	Yoga Teacher	Member of Pantangali

22.	Set and Achieve your goals	17/07/2014	Mr. Ujwal Tawade	Technical Expert	Consultant
23.	Embedded Operating Systems	16/01/2015	Mr. Mangesh Edke (Alumnus)	Software Engineer	Micro-Embedded Technologies
24.	BigData and Hadoop	21/01/2015 and 22/01/2015	Mr. Vimal Daga, MR. Sharvan Singh, Mr. Ashutosh Singh	Chief Technical	Chief Technical Officer Linux World Informatics Pvt. Ltd, Jaipur, Rajasthan
25.	Career opportunities in Higher Education and IT Industry	17/01/2015	Mr. Hemant Shinde	Software Engineer	Mobisoft
26.	Seminar on GATE Aptitude Test	08/01/2015	Mr. Manu Abraham	Software Engineer	I.C.E GATE Institute
27.	Mathematical model	11/03/2015	Dr. Prof. M. Bedekar	Professor	MIT Engineering College Pune
28.	Data Mining	25/03/2015	Mr. Aditya Shelar (Alumni)	Software Engineer	TCS, Pune
29.	Embedded Operating Systems	25/03/2015	Mr. Mangesh Edke (Alumnus)	Software Engineer	Micro-Embedded Technologies

34. Teaching Methods Adopted To Improve Student Learning

- Visual-interactive, auditory-lecture and text styles. Actively engaging students in their own learning and providing opportunities for students to work collaboratively. Teaching methods are from teacher-centered to learner-centered. Opening up the lines of communication and feedback between teacher and students. The outcome of the feedback is shared with head of the department and proper measures are adopted for continuous development of teaching and learning process.

35. Participation in institutional social responsibility (ISR) and extension activities

Sr. No	Activity	Date
1.	Riverside cleanup drive	21/01/2011
2.	Cleanliness camp	08/09/2012
3.	Donation for medical treatment	16/09/2014
4.	Pledge on Traffic rules	20/03/2015
5.	Visit to Matoshri Vrudhashram	31/08/2015

36. SWOC analysis of the department and future plans

Strengths:

- Department is strongly student centered and focused.
- Well-equipped laboratories.
- Department has very active and supportive alumni.
- Systematic assessment for quality improvement.

Weaknesses:

- Consultation and R & D activities need to be strengthened.

Opportunities:

- Many Faculties have the expertise and ability to secure knowledge under cutting edge technology.
- Being located in metropolitan city like Pune, there are greater opportunities of increasing industry-institution interaction.

Challenges:

- To sustain in the rapidly growing education industry.
- Adapting to the needs of global market place.
- Transformation of teaching methodology to teaching and research methodology.
- Developing and maintaining well planned interaction with industry.

Future Plans:

- To organize State / National / International level conferences and workshops.
- Signing of Memorandum of understanding and Memorandum of co-operation.
- To enhance training and placement activities with the help of alumni.
- Planning of more faculty development and orientation programmes.

ELECTRICAL ENGINEERING

1. Name of the department: -Electrical Engineering.
2. Year of Establishment: -2002.
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sr.No	Name of Programmes	Type of Programmes	Annual intake
1	UG(B.E)	Full Time	120
2	PG(M.E)(Control Systems)	Full Time	18
3	Ph.D.	Full time	Seats vary subjected to the availability of supervisors.

4. Names of Interdisciplinary courses and the departments/units involved.

Sr.No	Name of Course	Department
1	Basic Electrical Engineering	Science & Humanities First Year
2	Electrical & Electronics Engineering	Mechanical Department.

5. Annual/semester/choice based credits system (programmewise): Semester wise.
6. *Participation of the department in the courses offered by other departments: Yes.

Sr.No	Class	Subject	Department
1	F.E.	Basic Electrical Engineering	Science & Humanities First Year (Mechanical/E & TC/Computer Engg./I.T)
2	S.E	Electrical & Electronics Engineering	Mechanical Department.

7. Courses in collaboration with other universities, industries, foreign institutions, etc. : None.
8. *Detail of courses/programmes discontinued (if any) with reasons: None.
9. No of Teaching Post

UG	Sanctioned	Filled
Professor	3	
Associate Professor	6	1
Assistant Professor	19	18
Lecturer		13

PG	Sanctioned	Filled
Professor	1	1
Associate Professor	1	1
Assistant Professor	1	1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sr · No	Name of Faculty	Qualificati on	Designati on	Specializati on	No of years Experien ce	No of Ph.D. studen ts guided for the last 4 yrs
1	Prof Dr. Mrs. N.R.Kulkarni	PhD, ME	Professor	Control System	30	3
2	Prof.Mrs.V.V.Khatavkar	ME PhD(Pursui ng)	Associate Professor	Power System	27	-
3	Prof.Mr.A.V.Panchgav ankar	ME	Assistant Professor	Power System	39	-
4	Prof.Mrs.S.N.Chaphekar	ME PhD(Pursui ng)	Associate Professor	Power System	21	-
5	Prof.Mrs.H.H.Kulkarni	ME PhD(Pursui ng)	Assistant Professor	Power System	14	-
6	Prof.Mrs.V.S.Jape	ME PhD(Pursui ng)	Assistant Professor	Power System	12	-
7	Prof.Ms.P.S.Jadhav	ME	Assistant Professor	Power System	16	-
8	Prof.Mrs.R.S.Hardas	ME PhD(Pursui ng)	Assistant Professor	Power System	15	-
9	Prof.Mrs.Seema Methew	ME PhD(Pursui ng)	Assistant Professor	Control System	16	-
10	Prof.Mrs.S.D.Joshi	ME	Assistant Professor	Power System	14yr 5months	-
11	Prof.D.D.Deshpande	ME	Assistant Professor	Power System	26	-
12	Prof.Mrs.M.D.Tuljapurkar	M Tech	Assistant Professor	Power System	10	-
13	Prof.Mrs.D.S.Khadtare	ME	Assistant Professor	Digital Electronics	8	-
14	Prof.Mrs.S.A.Chougule	ME	Assistant Professor	Control System	8yr 3months	-
15	Prof. P. V. Kulkarni	ME	Assistant Professor	Power System	6yr, 5months	-
16	Prof. Gayatri Palnitkar	ME	Assistant Professor	Control System	6	-
17	Prof.M.P.Bhajekar	ME	Assistant Professor	Power System	10	-
18	Prof. Vijay Marathe	M tech	Assistant	Control	2yr	-

			Professor	System	5months	
19	Prof.Mrs.Sonali Mahajan	ME	Lecturer	Industrial Drives & Control	5	-
20	Prof.Mrs.Namita Waikar	ME	Lecturer	Power System	4	-
21	Prof.P.S.Londhe	BE,ME (Pursuing)	Lecturer	Power System	10	-
22	Prof.D.K.Joshi	ME	Assistant Professor	Control System	6yr 5months	-
23	Prof. Sneha Mukare-Patil	M.Tech	Assistant Professor	Power Electronics	4yr 5months	-
24	Prof. Priyanka Chauhan	M.Tech	Assistant Professor	Power Electronics	7	-
25	Prof. H. R. Shirke	ME	Lecturer	Control System	2yr 5 months	-
26	Prof. Mrs. Sunita Kadli	ME	Assistant Professor	Control System	6yr 5months	-
27	Prof.Mr.Kamal Kant	ME	Lecturer	Power System	7	-
28	Prof. Mr.P.S.Deshmukh	ME	Lecturer	Electrical Machines & Drives	2yr 5months	-
29	Prof. Ms.M.B.Zambre	M Tech	Lecturer	Power System	1	-
30	Prof. Mrs.Shweta Jain	M Tech	Lecturer	Power Electronics	3yr 9months	-
31	Prof.Ms.Pooja Mogare	BE, ME(Pursuing)	Lecturer	Control System	3yr 5months	-
32	Prof.Ms.Sheetal Mhetre	BE, ME	Lecturer	Control System	1yr 5months	-
33	Prof.Ms. Kranti Rahane	BE, ME	Lecturer	Control System	1yr 5months	-
34	Mr. Rupesh V. Borkar	ME	Lecturer	EM & drives	6months	-
35	Ms. Kavitha S.	ME	Lecturer	Power System	3.5 Years	-

11.*List of senior visiting faculty

- Academic year 2011-12 : Nil
- Academic year 2012-13 : Nil
- Academic year 2013-14 : Nil

Academic year 2014-2015				
Sr.No	Name of Visiting Faculty	Subject	Qualification	Organization
1	Dr. Ghodekar	Research Methodology	Ph.D. (Electrical Engg.)	Retired Principal (Govt college of Engineering)

				Kharad)
2	Dr. Radhika Menon	Mathematics	Ph.D. (Mathematics)	D.Y.Patil College of Engineering, Pimpri

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : None

13. Student -Teacher Ratio (programme wise)

- UG- 14:1 (for both shifts)
- PG-6:1 (18 intake)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
TA	4	4
Peon	2	2

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Sr.No	Name of Faculty	Qualification	Faculty Under	Specialization
1	Prof Dr. Mrs. N.R.Kulkarni	PhD, ME	Electrical Engineering	Control System
2	Prof.Mrs.V.V.Khatavkar	ME PhD(Pursuing)	Electrical Engineering	Power System
3	Prof.Mr.A.V.Panchgavankar	ME	Electrical Engineering	Power System
4	Prof.Mrs.S.N.Chaphekar	ME PhD(Pursuing)	Electrical Engineering	Power System
5	Prof.Mrs.H.H.Kulkarni	ME PhD(Pursuing)	Electrical Engineering	Power System
6	Prof.Mrs.V.S.Jape	ME PhD(Pursuing)	Electrical Engineering	Power System
7	Prof.Ms.P.S.Jadhav	ME	Electrical Engineering	Power System
8	Prof.Mrs.R.S.Hardas	ME PhD(Pursuing)	Electrical Engineering	Power System
9	Prof.Mrs.Seema Methew	ME PhD(Pursuing)	Instrumentation & Control	Control System

		g)	Engineering	
10	Prof.Mrs.S.D.Joshi	ME	Electrical Engineering	Power System
11	Prof.D.D.Deshpande	ME	Electrical Engineering	Power System
12	Prof.Mrs.M.D.Tuljapurkar	M Tech	Electrical Engineering	Power System
13	Prof.Mrs.D.S.Khadtare	ME	Electrical Engineering	Digital Electronics
14	Prof.Mrs.S.A.Chougule	ME	Electrical Engineering	Control System
15	Prof. P. V. Kulkarni	ME	Electrical Engineering	Power System
16	Prof. Gayatri Palnitkar	ME	Electrical Engineering	Control System
17	Prof.M.P.Bhajekar	ME	Electrical Engineering	Power System
18	Prof. Vijay Marathe	M tech	Electrical Engineering	Control System
19	Prof.Mrs.Sonali Mahajan	ME	Electrical Engineering	Industrial Drives & Control
20	Prof.Mrs.Namita Waikar	ME	Electrical Engineering	Power System
21	Prof.P.S.Londhe	BE,ME (Pursuing)	Electrical Engineering	Power System
22	Prof.D.K.Joshi	ME	Electrical Engineering	Control System
23	Prof. Sneha Mukare-Patil	M.Tech	Electrical Engineering	Power Electronics
24	Prof. Priyanka Chauhan	M.Tech	Electrical Engineering	Power Electronics
25	Prof. H. R. Shirke	ME	Electrical Engineering	Control System
26	Prof. Mrs. Sunita Kadli	ME	Electrical Engineering	Control System
27	Prof.Mr.Kamal Kant	ME	Electrical Engineering	Power System

28	Prof. Mr.P.S.Deshmukh	ME	Electrical Engineering	Electrical Machines & Drives
29	Prof. Ms.M.B.Zambre	M Tech	Electrical Engineering	Power System
30	Prof. Mrs.Shweta Jain	M Tech	Electrical Engineering	Power Electronics
31	Prof.Ms.Pooja Mogare	BE, ME(Pursuing)	Electrical Engineering	Control System
32	Prof.Ms.Sheetal Mhetre	BE, ME	Electrical Engineering	Control System
33	Prof.Ms. Kranti Rahane	BE, ME	Electrical Engineering	Control System

16. *Numberoffacultywithongoingprojectsfroma)Nationalb)International funding agencies andgrantsreceived

- Academic year 2011-12 : Nil
- Academic year 2012-13 : Nil
- Academic year 2013-14 : Nil

Academic year 2014-15					
Sr.No	Name	Project	National/ International	Grant Received	Agency
1	Mrs. S. D. Joshi	Positioning of platform for launching of object by application of integrated brushless DC motor panel	National	1,70,000	BCUD
2	Mrs. D. S. Khadtare	Design of an embedded fuzzy co-ordinate PID controller for pressure nd liquid flow control process (SISO system) and multivariable process control(MIMO system)	National	2,00,000	BCUD

17. *Departmentalprojectsfundedby DST-FIST;UGC, DBT, ICSSR,etc.andtotal grantsreceived

- Academic year 2011-12 : Nil
- Academic year 2012-13 : Nil
- Academic year 2013-14 : Nil

Academic year 2014-15				
Sr.No	Name	Project	Grant Received	Agency
1	Mrs. S. D. Joshi	Positioning of platform for launching of object by application of integrated brushless DC motor panel	1,70,000	BCUD
2	Mrs. D. S. Khadtare	Design of an embedded fuzzy co-ordinate PID controller for pressure nd liquid flow control process (SISO system) and	2,00,000	BCUD

		multivariable process control(MIMO system)		
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18. Research Centre /facility recognized by the University

Electrical Engineering Research Center has been established in 2010. The objective of the Research Center is to provide an outstanding academic and research experience to students to prepare them to meet the needs and challenges of the 21st Century in the field of Electrical Engineering. The objective is extended to the commitment of providing state-of-the-art interactive education through innovation, cutting-edge research with real-world experience promoting industry-Institute interactions, projects and life-long learning. The research Center is well equipped with latest software such as MATLAB, LabVIEW, PLC and SCADA and Modern equipments like process control kit, Harmonic Analyzer, Digital storage oscilloscope, etc. Also full time Professors are working as recognized guide in research center. The department had conducted the admission procedure as per the norms of SPPU. Seven Research Scholars were admitted in the centre. Research work on their topics is in progress.

Research Areas Offered

- Super Capacitors
- Electrical machines
- Electrical Control Systems
- Renewable Energy sources
- Power Electronics
- Smart Grid
- Power systems
- Electrical measurements and Instrumentation

Activities of Research Centre

- Lectures by Eminent Personalities
- Workshops on Smart Grid, MATLAB, DSP, LABVIEW
- Workshop on "Emerging Trends of Research in Electrical Engineering"
- One project has been submitted to DST for further process
- Two projects have been sanctioned by BCUD
- Access to Library after office hours for referring IEEE Journals, Books etc.

➤ **Research centre started in 2010**

(Approval No: CA/3484, Dated: 06.09.2011)

19. Publications (up to current year)

Sr No	AY	Number of papers published	Number of papers publication	Mono graph	Chapter in Book	Book edit	Citation Ind	SN IP	Impact Factor	H Index
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		in peer reviewed journals (national / International)	n listed in national / International Conference			ed	ex			
1	2015-2016	9	7	--	--	--	--	--	--	--
2	2014-2015	8	9	--	--	--	--	--	--	--
3	2013-2014	7	6	--	--	--	--	--	--	--
4	2012-2013	7	9	--	--	--	--	--	--	--
5	2011-2012	3	7	--	--	--	--	--	--	--

20.*Areas of consultancy and income generated:

Academic year 2011-12		
Sr. No	Area of Consultancy	Income generated
1	Consultancy for HT Substation – 22kV	Rs 25,00,000/-

Academic year 2012-13		
Sr. No	Area of Consultancy	Income generated
1	Consultancy for energy Audit	Rs 30,000/-

Academic year 2013-14		
Sr. No	Area of Consultancy	Income generated
1	Consultancy for principal Office and Data Center Renovation	Rs 20,00,000/-
2	Consultancy for energy Audit	Rs 30,000/-
3	Load Extension of College (200 kVA Transformer)	Rs 15,00,000/-
4	DG set Purchase	Rs Rs 50,000/-

Academic year 2014-15		
Sr. No	Area of Consultancy	Income generated
1	Load Extension of College (315 kVA Transformer)	Rs 15,00,000/-
2	Consultancy for Transformer Oil Filtering and Servicing	Rs 17,000/-
3	Separating Load (Tube and Fan for Solar and wind energy plan)	Rs 1,00,000/-
4	Consultancy for Electrical wiring and fittings	Rs 15,00,000/-

Academic year 2015-16		
Sr. No	Area of Consultancy	Income generated
1	Load Extension to 40 kW	Rs 1,00,000/-
2	DG set Purchase 80 kVA	Rs 6,00,000/-

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.

Sr.No	Name of Faculty	Member in National/ International/ Editorial Boards
1	Dr.Mrs.N.R.Kulkarni	1. IEEE-International Conference on Energy System & Applications (ICESA-2015) Technical Committee & Chairing Conference Session on Interdisciplinary held during 30 th Oct. To 1 st Nov. -2015.
		2. Reviewer for IEEE International Conference on Industrial Instrumentation & Control (ICTC 2015) May 2013.
		3. Reviewer for International Conference on Information Processing held at VIT, Pune, Dec 2015.
		4. Expert Reviewer to evaluate project work funded by BCUD, Pune in July 2015 at Pad. Dr. D.Y. Patil Institute of Engineering Management & Research Pune.

22. *Student projects

b) Percentage of students who have done in-house projects including inter departmental/programme:-

Sr. No	Academic Year	Percentage (%)
1	2011-12	47.61
2	2012-13	52.38
3	2013-14	65.21
4	2014-15	70.83
5	2015-16	80

c) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:-

Sr. No	Academic Year	Percentage (%)
1	2011-12	52.38
2	2012-13	47.59
3	2013-14	34.73
4	2014-15	29.10

5	2015-16	20
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23.*Awards / Recognitions received by faculty and students

Faculty Awards/ Recognitions (2011-12)

Sr.No.	Name of Faculty	Awards/ Recognitions Details
1.	Prof.Dr.N.R.Kulkarni	Best Teacher award conferred by P.E Society , Pune - 5. (2011-12)

Faculty Awards/ Recognitions (2012-13)

Sr.No.	Name of Faculty	Awards/ Recognition Details
1	Prof.Pallavi Jadhav	Best Teacher award conferred by P.E Society, Pune - 5. (2012-13)
2	Prof.Pallavi Jadhav	Appreciation Award on Women's Day Celebration by PESMCOE. (2012-13)
3	Prof.Mrs.S. D. Joshi	Best Student Welfare Officer for last three Academic Years.(July 2012 till date)

Faculty Awards/ Recognitions (2013-14)

Sr.No.	Name of Faculty	Awards/ Recognition Details
1	Prof.Mrs.S. D. Joshi	Best Student Welfare Officer (July 2012 till date)

Faculty Awards/ Recognitions (2014-15)

Sr. No	Name of Faculty	Awards/Recognitions
1	Prof.Mrs.S. D. Joshi	Sanction of Amount Rs. 1,70,000/- of BCUD research proposal. (2014-15 to 2015-16)
2	Prof.Mrs.D. S. Khadtare	Sanction of Amount Rs. 2,00,000/- of BCUD research proposal .(2014-15 to 2015-16)

Faculty Awards/ Recognitions (2015-16)

Sr. No	Name of Faculty	Awards / Recognitions
1	Dr. Mrs. N. R. Kulkarni	Reviewer for IEEE International Conference on Industrial Instrumentation and Control (ICIC-2015),International IEEE sponsored(2015)
2	Dr. Mrs. N. R. Kulkarni	Reviewer for International Conference on Information Processing , International IEEE sponsored(16-19 December 2015)

3	Dr. Mrs. N. R. Kulkarni	Reviewer of ICESA-2015,Pune International IEEE sponsored(30October to 1 st November 2015)
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Student Awards/ Recognitions [Technical (2015-16)]

Sr.No	Name of Student	Awards/Recognitions
1	Tushar Dhombe	First in order of merit among all the successful candidates in examination B.E.(Electrical) May,2014 He has been awarded two gold medals, three prizes. "The Late Ramakant (Dadasaheb) Manohar Ekbote Gold Medal" , "The G.H.Raisoni Gold Medal", "The Shri Vasant Vinayak Deodhar Prize", Sou.Manisha Raghunath Joglekar Prize", "The late Mahadeo Ramchandra BhisePrize".(2015)
2	Patil Swapnil Adgonda	Second in order of merit among all the successful candidates in examination T.E.(Electrical) May,2014 (2015)
3	Kulkarni Aniruddha Arvind	Eight in order of merit among all the successful candidates in examination T.E.(Electrical) May,2014 (2015)

Student Awards/ Recognitions [Cultural (2015-16)]

Sr. No.	Name of Student	Awards/Recognitions
1.	Phadtare Divesh Ramesh	Won 3 rd prize in Vinodottam Karandak held at Bharatnatyamamandir(2015-16)
2	Kenjale Sanket Surendra	Won 3 rd prize in Vinodottam Karandak held at Bharatnatyamamandir(2015-16)
3	Chavan Dhanashri	Won 3 rd prize in Vinodottam Karandak held at Bharatnatyamamandir(2015-16)

Student Awards/ Recognitions [Sports: (2015-16)]

Sr No	Name of Student	Awards/Recognitions
1	Taru Saurav Sandip	Basketball-selected for pune city zonal by SPPU(2015-16)

Student Awards/ Recognitions [NSS (2015-16)]

Sr No	Name of Student	Awards/Recognitions
1	Hiremath Anil Sangayya	Helped Police department as Police Mitra in Ganeshotsav(2015-16)
2	Dawane Sumedh Rajendra	Helped Police department as Police Mitra in Ganeshotsav(2015-16)

Student Awards/ Recognitions [Technical (2014-15)]

Sr. No.	Name of Student	Awards/Recognitions
1	Dhananjay Gawali	First in Project competition (2014-15)
2	Swapnil Pashte	First in Project competition (2014-15)
3	Prasad Lendve	First in Project competition (2014-15)
4	Pritam Sonawane	First in Project competition (2014-15)
5	K Diwakar Rao	Won essay competition in CSR New Delhi (2014-15)

Student Awards/ Recognitions [Cultural (2014-15)]

Sr. No.	Name of Student	Awards/Recognitions
1	Mrunmayee Kadam	First prize in Folk Dance solo(2014-15)
2	Shweta Kumbhar	Acting and Arts in SPANDAN(2014-15)

Student Awards/ Recognitions [Sports: (2014-15)]

Sr No	Name of Student	Awards/Recognitions
1	Taru Saurav Sandip	Winner in Basketball-selected for pune city zonal by SPPU(2014-15)
2	Taru Saurav Sandip	2 nd Rank in Basketball for Zest'15 organized by COE,Pune(2014-15)

Student Awards/ Recognitions [NSS: (2014-15)]

Sr No	Name of Student	Awards/Recognitions
1	Anirudha Deashpande	Finance head in Traffic Parliament Auto Expo 2014(2014-15)
2	Kamesh Mathkari	3 rd Prize in Ignited Innovation India competition in COEP by Bhau Institute of Innovation(2014-15)
3	Walke Atul	3 rd Prize in Ignited Innovation India competition in COEP by Bhau Institute of Innovation(2014-15)
4	Ukharde Sachin	3 rd Prize in Ignited Innovation India competition in COEP by Bhau Institute of Innovation(2014-15)
5	Salunke Mangesh	3 rd Prize in Ignited Innovation India competition in COEP by Bhau Institute of Innovation(2014-15)

Student Awards/ Recognitions [Technical (2013-14)]

Sr. No.	Name of Student	Awards/Recognitions
1	Roshmi Garam	Appreciated for participation in Techspark 2014(2013- 14)
2	Supriya Vedpathak	Won D2C technical competition(2013- 14)
3	Pravin Bansode	Won Aviator competition in M Pulse (2013- 14)
4	K Diwakar Rao	Completed a course in French Language at Palasa AP(2013- 14)
5	Kamesh Mathakari	'Third prize' in Bhau Institute Of Innovation, Entrepreneurship and Leadership competition held by College of Engineering, Pune in association with ETON, for Career counseling for school students against project 'Disha my step towards my goal'.(2013- 14)
	Narayan Ghuge	
	Atul Walke	
	Sachin Ukharde	
	Mangesh Salunke.	

Student Awards/ Recognitions [Cultural (2013-14)]

Sr. No.	Name of Student	Awards/Recognitions
1	More Ashwin	Won first prize in Spandan 2014(2013- 14)
2	Mrunmayee Kadam	Won first prize in dance competition (2013- 14)
3	Mrunmayee Kadam	Won second prize in Firodiya Karandak competition(2013- 14)

Student Awards/ Recognitions [Sports: (2013-14)]

Sr No	Name of Student	Awards/Recognitions
1	Vidyanand Dethe	Winner at Volleyball at UNIFY Symbiosis Institute(2013- 14)
2	Siddhesh Tambe	Winner at Volleyball at UNIFY Symbiosis Institute(2013- 14)
3	Vidyanand Dethe	Runner up at volley ball competition Agnito from Modern Institute of Business Management(2013- 14)

4	Vidyanand Dethe	Winner at Volleyball at University Of Pune(2013- 14)
5	Siddhesh Tambe	Winner at Volleyball at University Of Pune(2013- 14)
6	Abhishek Mistry	Winner at Volleyball at University Of Pune(2013- 14)
7	Abhik Banik	Winner at Volleyball at University Of Pune(2013- 14)
8	Abhishek Mistry	Winner at Volleyball at UNIFY Symbiosis Institute(2013- 14)
9	Siddhesh Tambe	Winner at Volleyball competition at BITS Pilani Goa campus(2013- 14)
10	Abhishek Mistry	Winner at Volleyball competition at BITS Pilani Goa campus(2013- 14)
11	Saurav Taru	Winners at Volleyball competition at University of Pune(2013- 14)
12	Vidyanand Dethe	Volleyball men competition at SPREE(2013- 14)
13	Manas Thapliyal	Won third prize in 5 warriors football competition(2013- 14)
14	Abhishek Mistry	Runner up for Agnito volleyball competition(2013- 14)
15	Manas Thapliyal	Won first prize in Football 11 A competition PACE 14, at Army Institute of Technology, Pune(2013- 14)
16	Abhishek Mistry	Winner of volleyball men competition at Summit 13 at MIT Pune(2013- 14)
17	Vidyanand Dethe	Winner of volleyball men competition at Summit 13 at MIT Pune(2013- 14)
18	Manas Thapliyal	Winner of volleyball men competition at Summit 13 at MIT Pune(2013- 14)
19	Abhik Banik	Winners in Basket Ball(2013- 14)

Student Awards/ Recognitions [Technical (2012-13)]

Sr. No.	Name of Student	Awards/Recognitions
1	Patil Swapnil	8 th rank In University Of Pune Exam(2012- 13)
2	Namrata Kulkarni	Minute to win it co head in M Pulse(2012- 13)
3	Snehal Gadekar	SAEINDIA annual social at ARAT, Pune(2012- 13)

Student Awards/ Recognitions [Cultural (2012-13)]

Sr. No.	Name of Student	Awards/Recognitions
1	More Ashwin	First prize in group dance at spandan 2013(2012- 13)

Student Awards/ Recognitions [Sports (2012-13)]

Sr. No.	Name of Student	Awards/Recognitions
1	Abhishek Mistry	Won first prize in volleyball competition at COEP(2012- 13)
2	Sanket Kakade	Winner of volleyball tournament at University of pune(2012- 13)
3	Aniket Sonawane	First rank in Bicycle race(2012- 13)

Student Awards/ Recognitions [Sports (2011-12)]

Sr. No.	Name of Student	Awards/Recognitions
1	Pravin Bansode	1st Prize in cricket (2011)
2	Onkar Deshpande	2nd prize in Basketball (29th to 30th july 2011)
3	Jyoti Dukane	Winner Intercollegiate moonsoon night adventure race (29th to 30th july 2011)
4	Rahul R Shelke	
5	Mangesh Patil	
6	Sagar Naik	
7	Kshitijh T Rane	
8	Chitra .S. Ingulkar	
9	Onkar Deshpande	Silver in Basket Ball (Zest 2011)

24.*List of eminent academicians and scientists / visitors to the department

Academic Year 2011-12

Sr.No	Eminent academicians and scientists / Visitors	Date	Event
1	Prof.Dr. Mrs. A. A. Godbole ,BVP college of Engineering, pune.	21.01.2012	Dissertation Exam (M.E.Control Systems)
2	Prof.Dr.H.P.Inamdar, Retired professor of Walchand College of Engineering Sangli.	12.05.2012	Dissertation Exam (M.E.Control Systems)

Academic Year 2012-13

Sr.No	Eminent academicians and scientists / Visitors	Date	Event
1	Prof.Mr.T.T.Wagmare, Govt college of Engineering, Kharad	28.07.2012	Dissertation Exam (M.E.Control Systems)
2	Dr.S.M.Bakare, Senior Executive officer, MSEB	30.07.2012	Dissertation Exam (M.E.Control Systems)
3	Prof.Dr.A.A.Godbole, BVP College of Engineering	20.11.2012	Dissertation Exam (M.E.Control Systems)

Academic Year 2013-14

Sr.No	Eminent academicians and scientists / Visitors	Date	Event
1	Dr. Pradeep.K.Katti, Professor, Dr.B.A.Tech university	17.06.2013	Pre submission seminar (M.E.Control Systems)
2	Dr.M.S.Kulakarni, Professor, Eminent professor	17.06.2013	Pre submission seminar (M.E.Control Systems)
3	Mr.S.R.Daithankar, Proprietor, Electro machines industry	20.06.2013	Project Oral Exam (B.E.)
4	Mr. J.G.Ghadekar, Principal, Govt College of Engineering Kharad	21.06.2013	Project Oral Exam (B.E.)
5	Mr.Prashant.P.Bhogle, Lead Automation Honeywell, Honeywell India Ltd	14.09.2013	Dissertation Exam (M.E.Control Systems)
6	Prof.S.B.Phadke, Professor Emeritus, College of Engineering Pune	30.09.2013	Dissertation Exam (M.E.Control Systems)
7	Dr.Mrs.Vandana Deodhar , Professor ,Govt. College of Engg.,Aurangabad	30.09.2013	Dissertation Exam (M.E.Control Systems)
8	Mrs.A.A.Majumdar, Asso. Professor, College of Military Engineering pune	18.10.2013	Dissertation Exam (M.E.Control Systems)
9	Prof.Dr.M.R.Roda, Professor, K.K.Wagh IEER, Nashik	21.10.2013	Dissertation Exam (M.E.Control Systems)

10	Mrs.Swati.S.More, Professor(HOD), Bhartiya Vidhyapeeth's College of Engineering Katraj pune	12.05.2014	Dissertation Exam (M.E.Control Systems)
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Academic Year 2014-15

Sr.No	Eminent academicians and scientists / Visitors	Date	Event
1	Dr.D.B..Talange, Professor, College of Engineering pune	09.07.2014	Dissertation Exam (M.E.Control Systems)
2	Prof.Dr.J.E.Ghodekar , Principal, Retired from Govt. College of Engg.Karad	01.10.2014	Dissertation Exam (M.E.Control Systems)
3	Mr.Milind Mulay, HOD, Thermax Ltd	06.10.2014	Dissertation Exam (M.E.Control Systems)
4	Prof.Dr.Vadirajacharya, Professor, BATU Engg College Lonere	12.12.2014	Dissertation Exam (M.E.Control Systems)
5	Dr. Nitant Mate, Head,Tech & Execution – Bio Energy Business, Kirloskar integrated tech Ltd	17.10.2014	Dissertation Exam (M.E.Control Systems)
6	Mr.Santosh Kumar, Proprietor, Anercon Consultants	31.10.2014	Dissertation Exam (M.E.Control Systems)
7	Dr.Arbind Kumar, Scientist, DRDO/R& DE(E),Pune	Oct 2015, April2015	Dissertation Exam (M.E.Control Systems)
8	Dr.J.G.Ghodekar, Principal, Govt College of Engineering Kharad	Dec. 2014	Dissertation Exam (M.E.Control Systems)
9	Dr.Mr.Satish Tanavade, Professor & Head, A.D.College of Engineering Ashta	March 2015	Smart Grid Workshop
10	Dr.D.V.Kulakarni, Sr.Training Officer Industrial Automation, HL Technical Training Scheme	04.04.2015	B.E. Project Exhibition
11	Mr.N.S.Parandkar, Head of Department, C.W.I.T	04.04.2015	B.E. Project Exhibition
12	Dr.Mr.A.T.Bangaale, Consultant, Knowledge Park	04.04.2015	B.E. Project Exhibition
13	Mr.Jayant Chinchorkar, Consultant	04.04.2015	B.E. Project Exhibition
14	Dr.A.M.Mulla, Principal, Annasaheb Dange College of Engineering & Technology Ashta	20.04.2015	Dissertation Exam (M.E.Control Systems)
15	Dr Iranna Korachagown, Professor, Annasaheb Dange College of Engineering & Technology Ashta	20.04.2015	Dissertation Exam (M.E.Control Systems)
16	Dr.Mrs.Vitthal Bandal, Professor, College of	07.05.2015	NBA Dessertation Lecture

	Engineering Pune		
17	Mr.S.M.Kshirsagar, Owner, Real Time Engineering Consultants	13.05.2015	Knowledge Park Meeting

Academic Year 2015-16

Sr.No	Eminent academicians and scientists / Visitors	Date	Event
1	Mr. Sunil Desai, CEO, Maven System Pvt Ltd	09.06.2015	Project Oral Exam (B.E)
2	Mr.Sham Kanitkar, CEO, NSK Engineering Corporation,Pune	09.06.2015	Project Oral Exam (B.E.)
3	Mr.Ganesh Shitole, Dy.General Manager, Mather Platt-wilo pumps pvt ltd Pune	15.09.2015	Engineers Day

25.*Seminars/ Conferences/Workshops organized & the source offunding

b) National b)International

Academic Year 2011-12								
Sr.No	Title of Seminar/ workshop/ FDP	Day & Date	Duration	Level(International /National/State/Local)	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert	Source of funding
1	PLC programming Guest lecture	20/9/2011	One hour	Local	Mr. Pritam Wani	Training Unit Head	PCMA Engineers	PESM COE Dept of Elect. Engg(EESA)
2	Guest lecture on Thermography	4/10/2011	One hour	Local	Mr.S.S. Kulkarni	Technical Director	Ramlex Industry	PESM COE Dept of Elect. Engg(EESA)

Academic Year 2012-13								
Sr.No	Title of Seminar/ workshop/ FDP	Day & Date	Duration	Level(International /National/State/Local)	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert	Source of funding
1.	Nation	22	2day	National	Dr.D.G.Bhar	Profes	BVCOE	Unive

	al Semin ar on Innov ation in Electri cal Engin eering	nd to 23 rd M ar 20 13	s		adwaj Dr.P.B.Kara ndikar Dr.Shaila Kurode Dr.H.A.Man galvedhekar Dr.Vishvesh Vyavahare Mr.Ganesh Jadhav	sor Profes sor Profes sor Profes sor Profes sor Profes sor	,Pune AIT,Pun e COE,Pu ne VJTI,Pu ne IIT,Mu mbai Zeal Educatio n Society' s COE,Pu ne	rsity of Pune (BCU D)
2.	State Level works hop "Matl ab based Signal Proces sing for Electri cal Engin eers"	25 th to 26 th M ar 20 13	2day s	State	Dr.K.R.Joshi , Prof.Mrs.Aa rti Bang, Prof.Mr.Gan esh Jadhav Dr.Mrs.V.A. Joshi	Princi pal Profes sor Profes sor Profes sor	PESMC OE,Pun e VIIT,Pu ne Zeal Educatio n Society' s COE,Pu ne PVGCO ET,Pune	Unive rsity of Pune (BCU D)
3.	Semin ar on Energ y Audit & Conse rvatio n	30 th A ug 20 12	1day	Local	Mr.A.V.Meh endale	Direct or	Enrich Consulta nts	PESM COE Dept of Elect. Engg(EESA)

Academic Year 2013-14								
Sr .N o	Title of Semin ar/ worksh op/ FDP	D a y & D at e	Dur atio n	Level(Inte rnational /National/S tate/Local)	Name of Speakers or Experts	Desig natio n of speak er or Exper t	Organiz ation of speaker or Expert	Sourc e of fundi ng
1.	Smart Grid Technol	2 3 rd	2day	National	Dr.Mrs.G. A.Vaidya Er.V.L.So	H.O. D Memb	PVGCO ET,Pune MSEB	Unive rsity of

	ogies	to 24 th Sep 2013			nawane Dr.S.M.Bakre Dr.S.S.Dambhare	er, MER C Chief Engineer Professor & HOD	MSEDC L COE, Pune	Pune (BCU D)
2.	FDP on Impact of ICT on Teaching Learning Process	26 th to 27 th Aug 2013	2day	State	Dr.D.N.Malkhede	Profesor	COEP, Pune-5	Unive rsity of Pune (BCU D)
3.	A guest lecture on “Career Opportunities in Illumination “	26 th July 2013	1day	Local	Mr.Sthalekar	Consu ltant in Illumi nation Engin eering	Propriet ary	PESM COE Dept of Elect. Engg(EESA)
4.	A guest lecture on “Thermography”	27 th Sep 2013	1day	Local	Mr.Shrinivas S.Kulkarni	Techn ical Direct or	Ramlex Industry	PESM COE Dept of Elect. Engg(EESA)

Academic Year 2014-15								
Sr.N o	Title of Seminar/ workshop/ FDP	Day & Date	Dur ation	Level(Int ernational /National/S tate/Local)	Name of Speaker s or Experts	Desig nation of speak er or Exper t	Organiz ation of speaker or Expert	Sourc e of fundi ng
1.	Semina	22	1day	Local	Mr.Moh	Propri	MMSU	PESM

	Workshop on Electrical Machines	2 nd Sep 20 14			Dr. Anil Kulkarni	Electrical Engineer	Electrical s Varje, Pune	COE Dept of Elect. Engg(EESA)
2.	Seminar on “Role of Electrical Engineers in IT sector”	4 th Sep 20 14	1day	Local	Mr. Radhey Kahat	Software Engineer	Tech Mahindra , Pune	Institute of Engineers
3.	Workshop on “C Programming”	7 th Feb 20 15	1day	Local	Mrs. Hemashri	Software Engineer	Tata Consultancy Services, Pune	IOE MCO E Student Chapter
4.	Workshop on “MAT LAB”	3 rd & 4 th Jan 20 15	2days	Local	Prof. Pratap Kumar	Assistant Professor	College of Engineering Pune	PESM COE Dept of Elect. Engg(EESA)
5.	Workshop on “Smart Grid”	9 th & 10 th March 20 15	2days	Local	Dr. P.K. Katti Dr. Vadhiraj acharya, Dr. Tanawade	Professor Professor Professor	BATU, Lonere BATU, Lonere COE, Ash ta, Sangli	PESM COE Dept of Elect. Engg(EESA)
6.	Seminar on “Life of Chhatrapati Shivaji Maharaj- Shiva Charitra”	18 th March 20 15	1day	Local	Mr. Sanjay Wadkule	Jr. Engineer	Ammunition Factory Khadaki, Pune	PESM COE Dept of Elect. Engg(EESA)
7	Webinar	22 nd	1day	Local	Dr. Pravin kumar	Professor	IIT, Guwahati	PESM COE

	Magnet ic circuits of Transfo rmer & Losses	Ja n 20 15			Tyagi			Dept of Elect. Engg(EESA)
8	A seminar on Gate Curricu lum	28 th Ju ne 20 14	1day	Local	Mr. Pralhad Deshpan de & Mr. MohitTy agi	Techn ical Teach er	I-GATE Institute, Pune	PESM COE Dept of Elect. Engg(EESA)

Academic Year 2015-16								
Sr. No	Title of Semi nar/ work shop/ FDP	Day & Date	Dur atio n	Level(Inte rnational /National/St ate/Local)	Name of Speake rs or Experts	Design ation of speake r or Expert	Organi zation of speake r or Expert	Sourc e of fundi ng
1	Traini ng Progr amme on Ener gy Audit	2 nd June- 6th June, 2015	5Da ys	Local	Mr.Hem ant Sali Mr.Suni l Desai Mr. Narendr a Duvedi Mr. Smeer Deodhar Mr.Sam eer Patil Mr.Utta m Mane	Chief Engine er Propriet or Energy Auditor Propriet or Trainin g Engine er Exe.En gineeer	PWD,P une Maven System s Self Emplo yed Self Emplo yed Self Emplo yed Havells India,P une Hariya na EDCL,	Know ledge Park
2.	Semi nar on Ener gy Audit & instru ments	20 th Jun 2015	1day	Local	Mr. S.M.Ks hirsagar Er.A.T. Bangale	Energy Auditor Energy Auditor	Self Emplo yed Self Emplo yed	PES MCO E Dept of Elect. Engg
2.	Semi	22.06	1day	Local	Mr.Amo	Trustee	Ananda	PES

	nar on Yoga	.2015			l Parkhi		Sangha , Pune	MCO E Dept of Elect. Engg
3.	Webinar on Machines	18.07 .2015	1day	Local	Dr. Pravinkumar Tyagi	Professor	IIT, Guvahati	PES MCO E Dept of Elect. Engg
4.	Webinar on FLIR Tools	22.07 .2015	1day	Local	Matt Schwoe gler	Infrared Instructor	Infrared Training Center	PES MCO E Dept of Elect. Engg
5.	PLC & SCADA Workshop	26 th , 29 th , 30 th SEP 2015	3days	Local	Mr. Sagar Chougule Mr. Amol Kalamb e	Section Engineer Section Engineer	EIE Projects India, Pune	IEI student chapter
6.	Advanced Micro controller workshop	30 th to 1 st OCT 2015	2days	Local	Mr. Kumbalkar	Section Engineer	SPJ Technology, Pune	IEI student chapter

26. Student profile programme/course wise: NA

27. Diversity of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
B.E. Electrical Engineering	2011-2012	56	4	NIL
	2012-2013	106	3	NIL
	2013-2014	110	3	NIL
	2014-2015	96	5	NIL
	2015-2016	116	2	NIL

28.*How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense

services, etc.?

Sr No	Year	Name of Examination	Number of Students appeared	Number of students cleared
1	2014-15	GATE	4	4
		CAT	-	-
		GRE / TOFEL /Civil Services / Defense Services	-	-
2	2013-14	GATE	1	1
		CAT	-	-
		GRE / TOFEL /Civil Services / Defense Services	-	-
3	2012-13	GATE	NIL	NIL
		CAT		
		GRE / TOFEL /Civil Services / Defense Services		
4	2011-12	GATE	2	2
		CAT	-	-
		GRE / TOFEL /Civil Services / Defense Services	-	-

29.*Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG-PG	0 (145)	7 (129)	4 (84)	7 (80)	10 (73)
PG to M.Phil.	-	-	-	--	--
PG to Ph.D.	-	2(18)	-	--	--
Ph.D. to Post-Doctoral	-	-	-	--	--
Employed Campus Selection	4 (145)	8 (129)	2 (84)	0 (80)	5 (73)
Other than campus recruitments	0 (145)	7 (129)	1 (84)	1 (80)	0 (73)
Entrepreneurship/Self-employment	0 (145)	1 (129)	1 (84)	2 (80)	0 (73)

30.Details of Infrastructural facilities

a) Library: (Departmental)

Area -20 Sq.m.

250 Titles, 3000+ Books

b) Internet Facilities for staff and students:

InternetFacilityDetails: 44Mbps – Lease Line

- 34 Mbps 1:1 Leased Line (Tata Communication)
- 10 Mbps 1:1 Leased Line (Reliance Communication).

- No. of machines with peripherals in the department

Name of Configuration	Peripherals
-----------------------	-------------

50	14
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- All the staff members are having proper sitting arrangement.
- HOD is having separate cabin.
- All senior staff have separate cabin.
- All staff is having PC with high speed internet connection.
- Every staff cabin is equipped with soft board.

c) Classrooms with ICT Facility:

- In each classroom LCD projector and OHP is available.
- Each class room and seminar room is equipped with LCD projector, , Computer and internet connection.

Sr. no	Type of Room	Quantity required as per norms
1	Class rooms	4
2	Seminar rooms	1

d) Laboratories in the department

Laboratory description
1. Computer Lab
2. Microprocessor Lab
3. Power Electronics Lab
4. Machine II lab
5. Machine I lab
6. Basic Electrical Engg. Lab
7. Power System II lab
8. PG computer lab
9. Measurement lab
10. PLC SCADA LAB

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	No of students
2011-2012	127

Academic year 2012-13					
Sr. No	Name of Student Enrichment Programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert

32.*Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Academic year 2011-12					
Sr.No	Name of Student Enrichment Programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
1	PLC programming Guest lecture	20/9/2011	Mr. Pritam Wani	Training Unit Head	PCMA Engineers
2	Guest lecture on Thermography	4/10/2011	Mr.S.S.Kulkarni	Technical Director	Ramlex Industry

1	National Seminar on Innovation in Electrical Engineering	22 nd to 23 rd Mar 2013	Dr.D.G.Bharadwaj	Professor	BVCOE,Pune
			Dr.P.B.Karandikar	Professor	AIT,Pune
			Dr.Shaila Kurode	Professor	COE,Pune
			Dr.H.A.Mangalvedhekar	Professor	VJTI,Pune
			Dr.Vishvesh Vyavahare	Professor	IIT,Mumbai
			Mr.Ganesh Jadhav	Professor	Zeal Education Society's COE,Pune
2	State Level workshop "Matlab based Signal Processing for Electrical Engineers"	25 th to 26 th Mar 2013	Dr.K.R.Joshi,	Principal	PESMCOE,Pune
			Prof.Mrs.Aarti Bang,	Professor	VIIT,Pune
			Prof.Mr.Ganesh Jadhav	Professor	Zeal Education Society's COE,Pune
			Dr.Mrs.V.A.Joshi	Professor	PVGCOET,Pune
3	Seminar on Energy Audit & Conservation	30 th Aug 2012	Mr.A.V.Mehendale	Director	Enrich Consultants

Academic year 2014-15

Academic year 2013-14

Sr. No	Name of Student Enrichment Programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
1	Smart Grid Technologies	23 rd to 24 th Sep 2013	Dr.Mrs.G.A.Vaidya	H.O.D	PVGCOET,Pune
			Er.V.L.Sonawane	Chairman	MSEB
			Dr.S.M.Bakre	Chief Engineer	MSEDCL
			Dr.S.S.Dambhare	Professor	COE,Pune
2	FDP on Impact of ICT on Teaching Learning Process	26 th to 27 th Aug 2013	Dr.D.N.Malkhede	Professor	COEP, Pune-5
3	A guest lecture on "Career Opportunities in Illumination"	26 th july 2013	Mr.Sthalekar	Consultant in Illumination Engineering	Proprietary
4	A guest lecture on "Thermography"	27 th sep 2013	Mr.Shrinivas S.Kulkarni	Technical Director	Ramlex Industry

Sr. No	Name of Student Enrichment Programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
1	Seminar on Electrical Machine	22 nd Sep 2014	Mr.Mohan Kulkarni	Proprietor	MMSU Electricals Varje,Pune
2	Seminar on "Role of Electrical Engineers in IT sector"	4 th Sep 2014	Mr.Radhey Kahat	Software Engineer	Tech Mahindra,Pune
3	A workshop on "C Programming"	7 th Feb 2015	Mrs.Hemashri	Software Engineer	Tata Consultancy Services,Pune
4	A workshop on "MATLAB"	3 rd & 4 th Jan 2015	Prof. Pratap Kumar	Assistant Professor	College of Engineering Pune
5	A workshop on "Smart Grid"	9 th & 10 th March 2015	Dr.P.K.Katti	Professor	BATU,Lonere
			Dr. Vadhirajacharya,	Professor	BATU,Lonere
			Dr.Tanawade	Professor	COE,Ashta,Sangli
6	A Seminar on" Life of Chhatrapati Shivaji Maharaj- Shiva Charitra"	18 th march 2015	Mr.Sanjay Wadkule	Jr.Engineer	Ammunition Factory Khadaki,Pune
7	Webinar on Magnetic circuits of Transformer & Losses	22 nd Jan 2015	Dr.Pravinkumar Tyagi	Professor	IIT,Guvahati
8	A seminar on Gate Curriculum	28 th June 2014	Mr. Pralhad Deshpande & Mr. MohitTyagi	Technical Teacher	I-GATE Institute,Pune

Academic year 2015-16					
Sr. No	Name of Student Enrichment Programmes	Date	Name of Speakers or Experts	Designation of speaker or Expert	Organization of speaker or Expert
1	Training Programme on Energy Audit	2 nd June- 6 th June,2015	Mr.Hemant Sali	Chief Engineer	PWD,Pune
			Mr.Sunil Desai	Proprietor	Maven Systems
			Mr. Narendra Duvedi	Energy Auditor	Self Employed

			Mr. Smeer Deodhar	Proprietor	Self Employed
			Mr. Sameer Patil	Training Engineer	Self Employed
			Mr. Uttam Mane	Exe. Engineer	Havells India, Pune Haryana EDCL,
2	Seminar on Energy Audit & instruments	20 th Jun 2015	Mr. S.M. Kshirsagar	Energy Auditor	Self Employed
			Er. A.T. Bangale	Energy Auditor	Self Employed
3	Seminar on Yoga	22.06.2015	Mr. Amol Parkhi	Trustee	Ananda Sangha, Pune
4	Webinar on Machines	18.07.2015	Dr. Pravinkumar Tyagi	Professor	IIT, Guwahati
5	Webinar on FLIR Tools	22.07.2015	Matt Schwoegler	Infrared Instructor	Infrared Training Center
5	PLC & SCADA Workshop	26 th , 29 th , 30 th SEP 2015	Mr. Sagar Chougule	Section Engineer	EIE Projects India, Pune
			Mr. Amol Kalambe	Section Engineer	EIE Projects India, Pune
6	Advanced Micro controller workshop	30 th to 1 st OCT 2015	Mr. Kumbalkar	Section Engineer	SPJ Technology, Pune

33. Teaching methods adopted to improve student learning

Use of ICT, Part Submission, Test/Tutorials/Assignments, Industrial Visit, Webinar, Expert Lectures, Workshops, Seminars

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities

2011-12		
Sr.No	Activity	Date
1	Tree Plantation	Feb-2012
2	Visit to Niwara Vridha Aashram	Sep-2011

2012-13		
Sr.No	Activity	Date
1	Tying Rakhi to pupils of Awakening Jagruti	August 2012
2	Tree plantation at mulshi	August 2012
3	Seminar on Eat your way to good health	August 2012

2013-14		
Sr.No	Activity	Date

1	Gurupornima	July 2013
2	Teacher's Day	September 2013
3	Awareness program in Hutatma Balavir Shirish Kumar Madhyamik Vidyalaya	September 2013
4	Seminar in Modern High School	October 2013
5	Seminar on How to deal with stress with the help of Yoga	March 2014
6	Seminar on Importance of personality for employability".	March 2014

2014-15		
Sr.No	Activity	Date
1	Gurupornima	July 2014
2	Teacher's Day	September 2014
3	Netaji Palkar school activity	August 2014
4	Seminar on Shivacharitra	March 2015

2015-16		
Sr.No	Activity	Date
1	Guest lecture on Yoga Day	June 2015
2	Guru Pornima	July 2015
3	SadbhavanaDiwas	August 2015
4	Teacher's Day	September 2015

35. SWOC analysis of the department and Future plans

Strengths

- Experienced staff.
- Lateral entry of students with industrial experience and good academic score.
- Well equipped labs with advanced equipments (LabView software, PLC& SCADA software, Power Analyzer, DSO, PLC kits, DSPkits).
- Supportive atmosphere for better development of students in all dimensions.
- Results are at par of University results.
- Establishment of Research centre.
- Percentage of staff retention is good
- Better Involvement of departmental Staff in Institute level work.

Weakness

- Need more motivation to students for campus placement.
- Percentage of fetching of fund from industry for research work is less
- Percentage of students pursuing higher studies is less.
- Many admitted students have rural background so lack communication skill in English.

Opportunities

- Job Opportunities in Govt. Sector like GENCO, TRANSCO and MSDCL MAHADISCO, DRDO, ISRO, More opening for job opportunities in energy sector.
- Rising of more funds from industry for Enhancement in research.
- Increase in interaction with alumni.
- Communication skill program and aptitude tests programs can be run by department for more placements of students.
- Increase in industry institute interaction by involvement of staff and students in training & internship program.

Challenges

- Change of branch by academically strong students so necessary to increase awareness of the course and job prospects.
- Competition due to increased number of engineering colleges so required to raise quality of academics by intership in Industry.

Future plans:

- Catering of M.E. Electrical (Power Systems)
- Promotion of Staff for Doctoral program under QIP
- Special training and placement programs for equitable development of students

Information Technology

1. **Name of the Department:-** Information Technology
2. **Year of Establishment:-**2006
3. **Name of Programs/Courses offered:-** UG(BE Information Technology)Shift –I and Shift-II

Sr.No	Name of the Program	Establishment Year& Approval Letter	Academic year	Intake
1	B.E.(Information Technology)	2006 740-89-338(E)/ET/99 Dt.26/06/2006	2007-2008	60
2	B.E.(Information Technology) Shift-II	2011	2011-2012	60

4. **Names of Interdisciplinary courses and the departments/units involved**

The list of interdisciplinary courses which are common to various departments is mentioned in the table below:

Information Technology				
Sr.No.	Semester	Course Code	Course Title	Department
1	I	110003	Fundamental of programming languages-I	General science
2	II	110010	Fundamental of programming languages-II	General science

5. **Semester based credit system(program wise)**

Sr No.	Degree	Courses offered	System followed
1	BE	Information Technology	Semester

6. **Participation of the department in the course offered by other department:**

First year Engineering:

AY 2011-12:Nil

AY 2012-13

Sr. No.	Name of Staff	Subject	Classes	Theory	Practical's	Total
SEM-I						
1	Ms. Latika Sarada	FPL-I	FE	-	4	4
2	Mrs. Pooja Sharma	FPL-I	FE	2	12	14
3.	Mrs Shobha Raskar	FPL-I	FE	2	12	14
4.	Ms. Savita Gavande	FPL-I	FE	3	14	17
5.	Mrs. Archana Kadam	FPL-I	FE	3	14	17
SEM-II						
1	Mrs. Pooja Sharma	FPL-II	FE	2	16	18

2	Ms. Savita Gavande	FPL-II	FE	3	14	17
3	Mrs. Archana Kadam	FPL-II	FE	3	14	17
4	Mrs Shobha Raskar	FPL-II	FE	2	16	18

AY 2013-14

Sr. No.	Name of Staff	Subject	Class	Theory	Practical's	Total
SEM-I						
1	Ms. Awanti Dhekane	FPL-I	FE	2	16	18
2	Mrs. Archana Kadam	FPL-I	FE	2	16	18
3.	Ms. Savita Gavande	FPL-I	FE	3	14	17
4.	Mr. Rohit Tate	FPL-I	FE	3	14	17
SEM-II						
1	Mrs. Archana Kadam	FPL-II	FE	2	16	18
2	Ms. Savita Gavande	FPL-II	FE	3	14	17
3	Mr. Rohit Tate	FPL-II	FE	3	14	17
4	Ms. Awanti Dhekane	FPL-I	FE	2	16	18

AY 2014-15

Sr. No.	Name of Staff	Subject	Class	Theory	Practical's	Total
SEM-I						
1	MS. Neha Bhandari	FPL-I	FE	3	16	19
2	Mrs. Archana Kadam	FPL-I	FE	2	16	18
3.	Ms. Savita Gavande	FPL-I	FE	1	8	9
4.	Mr. Rohit Tate	FPL-I	FE	3	14	17
SEM-II						
1	Mrs. Archana Kadam	FPL-II	FE	2	16	18
2	Mr. Rohit Tate	FPL-II	FE	3	14	17
3	Ms. Neha Bhandari	FPL-II	FE	3	14	17
4	Ms. Mugdha Gokhale	FPL-II	FE	2	16	18

AY 2015-16

Sr. No.	Name of Staff	Subject	Class	Theory	Practical's	Total
SEM-I						
1	Mr. Rohit Tate	FPL-I	FE	3	12	15
2	Ms. Prajakta Rakshasbhunakar	FPL-I	FE	-	4	4
3.	Ms. Supriya Jagtap	FPL-I	FE	1	8	9
4.	Ms. Ketki Gawali	FPL-I	FE	3	14	17
5	Ms. Manisha Sharma	FPL-I	FE			
6.	Mrs. Pooja Sharma	FPL-I	FE	2	16	18

7. Courses in collaboration with other universities, industries, foreign institution, etc.

S.No.	Year	Date	Course name	Company Name
1	2014-15	June 2014 to Aug 2014	C++	IBM
2			DB2	IBM
3			Core Java	IBM

8. Details of courses/Program discontinued(if any)with reason:-NIL

9. Number of Teaching Post sanctioned and filled (Professors/ Associate Professors/ Asst. Professors)

UG	Sanctioned	Filled
Professor	2	1
Associate Professor	5	2
Assistant Professor	16	19
Lecturer		11

10. Faculty Profile with Name Qualification, Designation, specialization

Faculty profile is as mentioned in the table below: (2015-2016)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
Prof. Dr. Phulpagar Bhagwan Dashrath	Ph. D. (Comp. Engg.)	Professor	Image processing, Data mining, Artificial Intelligence, Cloud Computing	15+	
Prof. Mrs. S.D.Deshpande	M.E, PhD Pursuing	Associate Prof.	Electronic	22	--
Mr. C.A.Ghuge	M.E PhD Pursuing	Associate .Prof.	Comp	15	--
Mrs. V.G.Dixit	M.Tech	Ass.Prof.	CST	18	-
Mrs. S. S. Bhavsar	M.E	Ass.Prof.	Comp Networks	12	--
Mrs. S.S. Paul	B.Tech(EIE) M.Tech (I.T.)	Ass.Prof.	I.T.	7	--
Ms. L. D. Sarda	M.E.comp	Ass.Prof.	Computer	7	-

Ms.B.N.Sarode	B.E.(comp) M.E.(I.T.)	Ass.Prof.	I.T.	8	--
Mrs.S.A.Kulkarni	BE(IT) M.Tech(CSE-IT) (Pursuing)	Ass.Prof.	CSE	8	--
Ms. Y. D. Fatangare	B.E.(Comp) ME(Comp)	Ass.Prof.	Computer	8	--
Mr.V.S.Kambale	BE(CSE), M.Tech(CSE)	Ass.Prof.	CSE	4.8	-
Ms.D.A. Bhanage	BE(IT), ME(Comp)	Ass.Prof.	Computer	4	--
Ms.T.S.Sawant	BE(IT), M.E(Comp) (Pursuing)	Lecturer	Computer	6	-
Mrs.M.R. Kore – Jamage	BE(IT), ME(Comp) (Pursuing)	Lecturer	Computer	4	-
Ms. S. D. Gavande	ME(Pursuing)	Lecturer	Computer	5.4	
Mr. Rohit Vaijnath Tate	ME(Pursuing)	Lecturer	Computer	3	
Mr.Ajeet Ram Pathak	BE(CSE), ME(Comp)	Ass.Prof.	Computer	2.6	
Mrs. Sneha Rahul More	ME(IT)	Ass.Prof.	Computer	3	-
Ms.Ketki Gawali	ME(IT)	Ass.Prof.	CE	2.3	-
Ms.Supriya Jagtap	ME(IT)	Ass.Prof.	Computer Network	6 months	-
Ms.Smita Khavate	ME(CSE)	Ass.Prof.	Computer	1.11	-
Ms.Manisha Sharma	M.tech	Ass.Prof.	Computer Science	5.6	-
Mr. Deepak Tamhane	M.tech	Ass.Prof.	Computer Science	4.6	-
Ms. Pooja Sharma	ME(CSE)	Ass.Prof.	CSE	3	
Mrs.Rajashri Sadaphule	ME(I.T.)	Ass.Prof.	Computer	8.9	-
Mrs. Prajakta S. Rakshasbhuvankar	ME	Ass.Prof.	CS	2.5	-
Ms. Anita Laxman Devkar	M.Tech(comp)	Lecturer	Computer	4	-
Ms. Asmita A. Pawar	M.E. (Computer Engg.)	Lecturer	Computer Engg.	2.3	
Ms.Ashwini A. Patil	M.E. (Computer	Lecturer	Computer Engg	2.4	

	Engg.)				
Ms. Sonali Deo	ME	Lecturer	Computer Engg.	2.5	
Ms. Bhagyashree Khodake	ME	Lecturer	Computer Engg.	2	
Mr. Saurabh Natu	BE	Lecturer	Computer Engg.	2	
Ms Anjali Hyalizi	BE	Lecturer	Computer Engg.	1.5	

11. List of senior visiting Faculty

Sr.No.	Year	Name of Faculty	Subject	Qualification	Organization
1	2011-12	Nil	Nil	Nil	Nil
2	2012-13	Ashok Brigadier	B.I.S.	PHD(BI)	Retire Army officer
3	2013-14	Prachi Kadam	C.G., I.A.S	ME(IT)	---
4	2013-14	Punit chhia	Communication skill	MBA	Mentor
5	2014-15	Prachi Kadam	Multimedia, I.A.S	ME(IT)	---

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:- NIL

13. Student -Teacher Ratio (programme wise)

Shift-1

Sr. No	Academic year	No. Of students	Total no. of teacher	Student teacher ratio
1	2011-12	180	10	18:1
2	2012-13	180	12	15:1
3	2013-14	180	12	15:1
4	2014-15	180	12	15:1
5	2015-16	180	12	15:1

Shift-II

Sr. No	Academic year	No. Of students	Total no. of teacher	Student teacher ratio
1	2012-13	60	4	15:1
2	2013-14	120	8	15:1
3	2014-15	180	12	15:1
4	2015-16	180	12	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
TA	4	4
Peon	2	2
....		

15. QualificationsofteachingfacultywithPh.D/PG.

Sr. No	Name of faculty	Qualification	Faculty under
1	Prof. Dr. Phulpagar Bhagwan Dashrath	Ph.D(Computer Engg.)	Computer
2	Prof. Mrs. S.D.Deshpande	M.E.(Electronic), PhD Pursuing	Electronics
3	Mr. C.A.Ghuge	M.E.(Comp), PhD Pursuing	Computer Engineering
5	Mrs.V.G.Dixit	B.E.M.Tech(CST)	CST
6	Mrs.S.S. Bhavsar	B.E(Comp) M.E.(Comp Networks)	Computer Networks
7	Mrs. S.S. Paul	B.Tech(EIE) M.Tech (I.T.)	Information Technology
8	Ms.B.A.Chaudhari	B.E.(Comp.) M.E.(IT)	Information Technology
9	Mrs.S.A.Kulkarni	BE(IT) M.Tech(CSE-IT) (Pursuing)	CSE-IT
10	Ms. Y.D.Fatangare	B.E.(Comp) ME(Comp)	Computer Engineering
11	Ms.D.A.Bhanage	BE(IT), ME(Comp)	Computer Engineering
12	Mr.V.S.Kambale	BE(CSE), M.Tech(CSE)	CSE
13	Mr. A.R.Pathak	BE(CSE), ME(CSE)	Computer Engineering

14	Ms. Pooja Sharma	BE(IT), M.E(CSE)	CSE
15	Mrs.Manisha Sharma	BE(Comp) M.TECH.(CST.)	CST
16	Mrs.Rajashri sadafule	BE(comp) ME(Comp)	Computer Engineering
17	Mrs.Prajakta Rakshasbhuvankar	BE(CSE) ME(Comp Sci)	CSE
18	Mrs.Smita Khavate	BE(Comp) ME(Comp)	Computer Engineering
19	Mrs.Snhai More	BE(Comp) ME(IT)	Information Technology
20	Mrs.Ketki Gavli	BE(IT) ME(Comp)	Computer Engineering
21	Ms.Supriya Jagtap	BE(I.T.) M.E.(Comp.Network)	Computer Network
22	Mr.Deepak Tamhane	BE(IT) M.TCH(CSE)	CSE
23	Ms.S.D.Gawande	BE(CSE), M.E(Comp) (Pursuing)	Computer Engineering
24	Ms.T.S.Sawant	BE(IT), M.E(Comp) (Pursuing)	Computer Engineering
25	Mrs.M.R Kore – Jamage	BE(IT), ME(Comp) (Pursuing)	Computer Engineering

26	Mr. R.V.Tate	BE(IT), M.E.(IT)(Perusing)	Information Technology
27	Ms. N. P. Shelke	BE(IT), M.E(Comp) Pursuing	Computer Engineering
28	Ms.Sonali A.Deo	BE(CSE),ME(Comp)	Computer Engi.
29	Ms. Anita Devkar	BE(IT), M.Tech(Comp)	Computer Engi.
30	Ms. Asmita Pawar	BE(IT), M.E.(Comp Engg.)	Computer Engg.
31	Ms.Ashwini Patil	BE(IT),M.E.(Comp Engg.)	Computer Engg.

15.

Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

a) National committees b) International Committees c) Editorial Boards....**NIL**

16. *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 (upto current year)

Sr. No	Name of faculty / student	No. of Publications
1	Mr.B.D.Phulpagar	4
2	Mrs.S.D.Deshpande	1
3	Mrs. V.G.Dixit	4
2	Mrs. S. S. Bhavsar	6
3	Mrs. S.S. Paul	2
4	Ms. L. D. Sarda	3
5	Ms.B.N.Sarode	1
6	Mrs.S.A.Kulkarni	1
7	Ms. Y.D.Fatangare	3
8	Mr.V.S.Kambale	1
9	Ms.D.A. Bhanage	3
10	Ms.T.S.Sawant	2
11	Mrs.M.R. Kore –Jamage	2
12	Ms. S. D. Gavande	3
13	Mr. Rohit Vaijnath Tate	2
14	Mr.Ajeet Ram Pathak	7
15	Mr. Rohit Vaijnath Tate	2

16	Mrs. Sneha Rahul More	2
17	Ms.Ketki Gawali	2
18	Ms.Supriya Jagtap	1
19	Ms.Smita Khavate	1
20	Ms.Manisha Sharma	5
21	Ms. Pooja Sharma	2
22	Mr.Deepak Tamhane	2
23	Mrs.Rajashri Sadaphule	1
24	Mrs. Prajakta Rakshasbhuvankar	2
25	Ms. Anita Laxman Devkar	2
26	Ms. Ashwini Patil	2
27.	Ms.Sonali Deo	1
28.	Ms.Asmita Pawar	4

S r N o	AY	Number of papers publishe d in peer reviewe d journals (nationa l / Internat ional)	Numbe r of papers publicat ion listed in national / Internat ional Confere nce	Monog raph	Cha pter in Boo k	Bo ok edit ed	Citat ion Inde x	SN IP	Imp act Fact or	H Ind ex
1	20 15- 20 16	1	7	--	--	--	--	--	--	--
2	20 14- 20 15	2	15	--	--	--	--	--	--	--
3	20 13- 20 14	2	7	--	--	--	--	--	--	--
4	20 12- 20 13	2	6	--	--	--	--	--	--	--
5	20 11- 20 12	5	2	--	--	--	--	--	--	--

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 in National/ International/Editorial Boards
1	Prof. S.D. Deshpande	ISTE CSI mem no. 1063014
2	Prof. C.A. Ghuge	ISTE LM35493
3	Prof. S. A. Kulkarni	ACM

22. *Student projects

- a). Percentage of students who have done in-house projects including inter departmental/programme

Sr.No.	Academic Year	Shift	% of Students	Inter Departmental
1	2011-12	Shift-I	70.08%	Nil
2	2012-13	Shift-I	71	Nil
3	2013-14	Shift-I	67.78	Nil
4	2014-15	Shift-I	65.27	Nil
5	2014-15	Shift-II	71.05	Nil
6	2015-2016	Shift-I	70.34	10.66%
7	2015-16	Shift-II	75.4	9.85%

- b). Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Sr.No.	Academic Year	% of Students
1	2011-12	29.92
2	2012-13	29
3	2013-14	32.22
4	2014-15	34.72
5	Shift-II	28.94
6	2015-2016	29.66
7	Shift-II	24.6

23. *Awards / Recognitions received by faculty and students

Faculty:-

Sr No.	Year	Name of Faculty	Awards/Recognition
1	2005	Prof. S.D. Deshpande	Best Teacher Award in STBCOE
2.	2008	Mrs. Bhavana Chaudhari	82.95 GATE Score in 2008
3	2011	Mrs.Rajashri Sadaphule	91 percentile GATE Score
4	2013	Ms. Yogita Fatangare	Best Paper award in CPGCON
5.	2014	Mr. Ajeet Pathak	Best Paper Award in CPGCON(2014)
6.	2015	Mr. Ajeet Pathak	Reviewer Elsevier of Applied

			Mathematics and Computation Chapter
7.	2014	Mrs. Sayali Joshi	Best Paper award in IPGCON (2014)
8.	2014	Mrs.Rajashri Sadaphule	85 percentile GATE Score

Students:-

Sr. No.	Year	Name of Student	Award
1	2015-16	Karan Pandya	3 rd prize in Vinodattam karandk
2.	2014-15	Abhishek Ramesh Kulkarni	1st Prize in Technical Paper Presentation event in MIT Texephyr
3.	2014-15	Abhishek Ramesh Kulkarni	2nd Prize in General Quiz in team of two. At JSPM Cynosure2014,Wagholi
4.	2014-15	Abhishek Ramesh Kulkarni	Special Appreciation in Technical Paper Presentation at PVG ALGORHYTHM,Swargate
5.	2014-15	Kunal badade	2nd runner up in C-quiz MIT
6.	2014-15	Sonal Srivastava	RUNNER UP in GK QUIZ JSPMCOE
7	2014-15	Jadhav Prasann	Runner in C-Competition RIT,Isplampur
8	2014-15	Pranav Pramod Sugandhi	Second Prize in Code C Test PCCOE, Akurdi
9	2014-15	Sunil R. Karanjawane	- 3rd prize in project exhibition at zeal polytechnic
10	2014-15	pranita uttamrao shinde	first prize in project competition at SVCP, Pune
11	2014-15	Pratik P joshi	1st Prize in Techno Innova 12 Bharti Vidyapeeth Pune,Acumen 12 Abhinav COE Bhor
12	2014-15	pranita uttamrao shinde	first prize in Dance competition at YashwantRaoChavan,Pune
13	2014-15	RADHEY ATRAWALKAR	Best Drummer Award for Firodia Karandak 2014
14	2013-14	Pratik Shivaraikar	Second Rank in Mpulse 14
15	2013-14	Rohit Wadke	Second Rank in Mpulse 14
16	2013-14	Pranav Pramod Sugandhi	Second Prize in C-Code Test PCCOE, Akurdi
17	2013-14	Sunil R. Karanjawane	3 rd prize in zeal polytechnic
18	2013-14	pranita uttamrao shinde	1 st prize in SVCP,Pune
19	2013-14	Pratik P joshi	1 st prize in Techno Innova 12 Bharti Vidyapeeth Pune,Acumen 12 Abhinav COE Bhor

20	2013-14	Chaitrali Sorate	1 st prize in Sparkle-Venutai chavan Polytechnic,Vadgaon
21	2013-14	DEVASHISH VIJAY RAYATE	3 rd prize in ALLIED FORCE CODING, MCOE, PUNE
22	2012-13	Pallavi Baviskar	Second Prize in Marathon,
23	2011-12	Pooja Jain	Medal in Cricket, Pune University
24	2011-12	Pooja Jain	1 st prize in Group Dance, Intercampus republic day

24. List of eminent academicians and scientists / visitors to the department :-

Sr.No	eminent academicians and scientists / visitors	Date	Event
1	Mr.Parvez Pathan	16/01/15	Java Workshop
2	Mr.Rahul Gujar	15/09/2015	Judge at webmaster competition
3	Mr.Rajopadhy V.P	20/09/13	STQA workshop
4	Subhentu Paul	15/01/15	Java workshop
5	Mr. Virendra P Kucheriya	20/09/15	STQA workshop
6	Mr.Vinay Fisrekar	20/09/15	STQA workshop
7	Ms.Sobhita Phadnis	20/09/15	STQA workshop
8	Mr. Naresh Mansukhani	20/09/15	STQA workshop
9	Mr.Abhijeety naik	16/01/15	Java workshop
10	Mr. Vivek J. Ransubhe	28/06/14	SEIT Technical Orientation Program
11	Mrs. Shital Pashankar	24/07/14-25/07/14	PHP Seminar
12	Mr. Shivraj Zalki	26/07/14	Industrial approach on manual testing
13	Mr. Avik Banarjee	02/08/14	Cloud Infrastructure and services workshop
14	Mr. Shivaji Sudame	19/08/14	College readiness for higher education Abroad
15	Mr. Milind Bhanage	12/01/13	The height of success.
16	Mr. Swapnil Narkhede	02/09/13	VB.NET Seminar,Project Database connectivity,Oracle 11g
17	Mr. Mukul Markande	17/09/13	Workshop on Linux
18	Mr. Mannu	16/07/13	Seminar on How to prepare for GATE
19	Ms. Priya	23/08/13	Seminar on Mobile Application
20	Spark Institute	02/02/12	Seminar on Android
21	Mr. Gaurav Pawar	10/01/12	Academic and Professional Life
22	NIL	2011	NIL

25. *Seminars/ Conferences/Workshops organized & the source offunding**a) National:-2****b)International:-Nil**

Sr. No	Title of Seminar/ workshops/F DP	Date & Day	Dura tion	Level(Inte rnational /National/ State/Loc al)	Name of Speakers or Experts,	Designatio n of speaker or Expert	Organizat ion of speaker or Expert	Sourc e of fundi ng
1	STQA	20/09/ 2013 & 21/09 2013	2 days	National	Mr.Nilesh naik, Mr.A.Rajop adhya	Sr. Project manager, Director	BMC Softwarwa re Accenture	QIP
2	Advance JAVA	16/01/ 2015 & 17/01/ 2015	2 days	National	Mr.Shubhe ndu paul Mr.Parvez pathan	Sr. Project manager,	Capgemini Sungaurd availability	QIP

Sr. No.	Academic Year	Name of Event	Source of funding
1	2011-12	NIL	
2	2012-13	Two Days workshop on STQA	Pune University
3	2013-14	NIL	
4	2014-15	Two days FDP on Advance Java	Pune University

26. Student profile programme / course wise: NA**27. Diversity of students**

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
B.E. IT	2011-2012	110	3	NIL
	2012-2013	101	3	NIL
	2013-2014	101	2	NIL
	2014-2015	89	4	NIL

	2015-2016	114	5	NIL
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28. *How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr No	Year	Name of Examination	Number of Students appeared	Number of students cleared
1	2014-15	GATE	10	2
		CAT	0	0
		GRE / TOFEL / Civil Services / Defense Services	5	5
2	2013-14	GATE	8	1
		CAT	0	0
		GRE / TOFEL / Civil Services / Defense Services	10	6
3	2012-13	GATE	7	2
		CAT	2	2
		GRE / TOFEL / Civil Services / Defense Services	7	7
4	2011-12	NIL		

29. *Student progression

Academic Year :-2014-15

Student progression	Against % enrolled
UG to PG	5.70
Employed	24.25
• Campus selection	
• Other than campus recruitment	15.71
Entrepreneurship/Self-employment	7.14

Academic Year :-2013-14

Student progression	Against % enrolled
UG to PG	5.55
Employed	22.22
• Campus selection	
• Other than campus recruitment	35.18

Entrepreneurship/Self-employment	3.7
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Academic Year :-2012-13

Studentprogression	Against%enrolled
UGtoPG	25
Employed	18.05
•Campusselection	41.6
•Other than campus recruitment	
Entrepreneurship/Self-employment	2.77

Academic Year :-2011-12

Studentprogression	Against%enrolled
UGtoPG	15.67
Employed	
•Campusselection	33.08
•Other than campus recruitment	41.78
Entrepreneurship/Self-employment	2

30. Details of Infrastructural facilities

a) Library

Department is having separate ITSA library for students.

Total No. of Volumes	Dept. library has 741 titles , 871 volumes and 22 E-learning CD's.
Journals	21 National , 20 International
Reports	Final year project report B.E and Technical Seminar reports available in departmental library
News Letters	"Karmanya", Departmental News Letter.
Syllabus	S.P.P.U
Question papers	University exams

b) InternetfacilitiesforStaff&Students:

Internet Facility is provided with a total bandwidth of 48Mbps. It includes

Sr. No.	Name of the ISP	Bandwidth
1.	TATA Communication Pvt. Ltd.	34 Mbps(1:1 LL)

2.	Reliance Communication Pvt. Ltd	10 Mbps(1:1 LL)
3.	Total	44 Mbps

c) Class rooms with ICT facility :

Description of classrooms, faculty rooms, seminar hall:

- In each classroom LCD projector and OHP is available.
- Each class room and seminar room is equipped with LCD projector, , Computer and internet connection.

Sr. no	Type of Room	Quantity required as per norms
1	Class rooms	3
2	Seminar rooms	1

c) Laboratories: List of Labs:

I	Programming Lab-I
2	Programming Lab-II
3	Software Lab-I
4	Software Lab-II
5	Operating System Lab
6	Network Lab
7	Hardware Lab

31.Number of students receiving financial assistance from college, university, government or other agencies:-

Year	No of students
2011-2012	123
2012-2013	152
2013-2014	143
2014-2015	188

32.*Details on student enrichment programmers (special lectures / workshops /seminar) with external experts

Activities organized under ITSA in sem-II 2011-12

Sr.No	Name of programmes	date	Name of Speakers	Designation of speaker	Organization of speaker
1	Pranayam Rhasya	08/04/12	Mr. Lokhande	Yogacharya	-
2	Seminar on Soft Skills	21/07/12	Mrs. A. Akolkar	Lecturer	MCOE

Activities organized under ITSA in sem-II 2012-13

Sr.No	Name of programmes	Date	Name of Speakers	Designation of speaker	Organization of speaker
1	Academic and Professional life	29 th Dec 2012	Mr. Gaurav Pawar	Former student of IT department.	TCS, Chennai
2	Documentary film and experience sharing On THE HEIGHT OF SUCCESS	12 th Jan 2013	Mr. Milind Bhanage	Documentary writer, director, editor	
3	Seminar on Android Operating System	02 nd Feb 2013			Spark Institute
4	GTech Test Series for TE students	5 th Jan to 9 th Feb 2013	Mrs. Mukta Kore	Lecturer	PES's MCOE
5	English Proficiency Test For SE Students	5 th Jan 2013	Ms. Deepali Bhanage	Lecturer	PES's MCOE
6.	Aptitude Test	9 th Jan 2013	Mr. Vishnu Kamble	Lecturer	PES's MCOE

Activities organized under ITSA in sem-I & II 2013-14

Sr. No.	Name of Student enrichment programmes	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Seminar on How to prepare for GATE exam and Carrier Opportunities	16/07/2013	Mr. Mannu	Founder of The GATE Academy	GATE Academy
2	Program on stress management	19/08/2013	Mrs. Anjali Pendse	Mentor	Manobal institute
3	Celebration of GURU POURNIMA	2/08/2013	Organized for staff by students	ITSA	PESMCOE pune
4	GTech Series	12/08/2013(OS) 09/092013(DBMS)	Mrs. Mukta Kore	Lecturer	PES's MCOE
5	Seminar on Mobile Applications	23/08/2013	Ms. Priya	trainer	NIIT, Pune
6	Celebration of Teachers Day	05/09/2013	Organized for staff by students	ITSA	PESMCOE pune
7	Seminar on agile methodology	10/09/2013	Dr. Mahendra Ramdasi	Director	Techmahindra
8	Seminar on VB.net	2/09/2013	Mr. Swapnil Narkhade	Project manager	Infosys
9	Workshop on LINUX operating system	17/09/2013	Mr.Mukul Markande	Sr.Consultant	IBM
10	Debate and elocution competition	20/09/2013 21/09/2013	Organized by ITSA for students	ITSA	PESMCOE pune
11	Workshop on java programming and project design	10/01/2014	Mr.Virender Pratap Singh	Developer	Barclays
12	Techno-quiz on c	17/01/2014	Organized by ITSA for students	ITSA	PESMCOE pune
13	Seminar on mpSC and upSC exams	24/01/2014	Mr.Rahul Pandow	ITSA	PESMCOE pune
14	Seminar on Brain Storming	31/01/2014	Mr. Nadeem Kazi	ITSA	PESMCOE pune

Activities organized under ITSA in sem-I & II 2014-15

Sr.No	Name of Student enrichment programmes	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	SEIT Technical Orientation Program	28/6/2014 , Saturday	Mr.Vivek J.Ransubhe,	P.M.	Capgemini
2	Group Discussion Program	05/07/2014, Saturday	Prof. Alpana Akulkar,	Lecturer	PES's MCOE
3	Introduction to Mini Project	12/07/2014, Saturday	Prof. V.G. Dixit, Prof. S.S.Bhavsar	Lecturer	PES's MCOE
4	Two days Seminar on PHP	24/07/2014 - 25/07/2014 Thursday & Friday	Mrs.Shital Pashankar	Assistant Professor.	Indira College of Engg.,Pune
5	Industry Approach of Manual Testing	26/07/2014 , Saturday	Mr.Shivraj Zalki,	Senior Test Engineer	Amdocs, Pune
6	Workshop on Cloud Infrastructure and Services.	2/08/2014, Saturday	Mr.Avik Banarjee	Software Engineer	Synecron Pvt. India Ltd.,Pune.
7	Communication Skill	09/08/2014 , Saturday	Mr.Manash Bhattachary	Operation Manager	TCS,Pune.
8	College Readiness for Higher Education	19/08/2014 , Tuesday	Mr.Shivaji Sudame	Professor	ScorePlus Academy Pvt. Ltd.
9	Tree Plantation	23/08/2014 , Saturday	Mr.Chandrakan t Chopde	Delivery Manager, Data Center Build and Managed Services Operations	Practice Head Green IT of Infosys India Pvt.Ltd.,Pune
10	Three days workshop on LATEX	04/09/2014 - 06/09/2014	Prof.M.ukta Kore-Jamag, Prof.V.S.Kamble, Prof.A.Pathak	Assistant Professor	Soft skill trainer of PES MCOE.

11	Seminar on Practical Implementation of Project Management	09.01.15	Mr.Vivek J.Ransubhe	Practice Head Green IT	Infosys India Pvt.Ltd., Pune
12	Computational complexity of non deterministic algorithm	09.01.15	Mr.Sushant gote	Asst. Professor	Sinhagad institute pune
13	Big Data:Hadoop	10.01.15	Mrs.pallavi deshpane	Lecturer	C.O.E.P
14	Modern approaches of Information retrieval in industry	28.01.15	Mr.Makrand velankar	Lecturer	Cummins engg. College pune
15	Reframing your carrier:Engaged and open	13.03.15	Ms.Debajani Banerjee	Enterprenur	Own organization
16	Advance Java	16.01.15 to 17.01.15	Mr.S.S.Paul, Mr.Pathan	Sr.Project Manager	capgemini

ITSA ACTIVITY planner 2015-16 Sem-I

Sr.No	Name of Student enrichment programmes	Date	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert
1	Yoga session for Shift A & Shift B Students	21-06-15	Mrs.Meera Chaudhari	Instructor	TCS/Infosys
2	A Seminar on Motivation & it's impact for all staff member	25-06-15	Mr.Sunil Patil	Corporate motivational trainer	Mentor
3	One day workshop for importance of UML in SDLC & coding	10/07/15	Mr.Kedar Tokekar	Mentor	Sanzaru Institute
4	Seminar on Netowrk Security	11/07/15	Mr. Ajay Potnis	Mentor	EMC2
5	Art of stress management	19-Sep-15	Ms.Mandali Bhadra das	Accountant	ISCON Pune

6	Seminar on SMAC	31/07/15	Mr.Hemant jhamble	Director	Seed infotech pune
7	Seminar on next trends in I.T. industry	20/08/15	Mr.Amit borkar	Trainer	Tech Mahindra Pune
8	Art & photograph Existibition	10/08/15	ITSA	I.T.Dept.	I.T.Dept.
9	Internet of things	11/08/15	Google webinar		Webinar
10	Google classroom	12/08/15			Webinar
11	Bridging the gap between Industry & institute	13/08/15			Webinar
12	AGILE Development	14/08/15			Webinar
13	Smart presentation tool				Webinar
14	Soft skill training	01/08/15 to 05/09/15	Mr.Sunil Patil		Corporate motivational trainer
15	WebMaster	15/09/15	Mr.Rahul gujar	Project manager	TCL

33.Teaching methods adopted to improve student learning

- Open source software's are used in laboratories for making interaction with the students.
- All presentation slides, class notes and Paper solutions are provided to the students and uploaded on Google groups.
- The various teaching methodology are adopted for teaching purpose like various webinars, guest lectures, seminars, competitions.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr. No	activity	Date	Venue	Conducted by
1	IT Awareness Program	09.01.15	Kadepathar	Mr. Nitin Girme, PES's MCOE

2	Social IT awareness Program	20 .01.12	I.T.Dept P.E.S.M.C.O.E.	Ms.Vishakha bhrabhme,Ms.Jyoti Tupsounder
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35. SWOC analysis of the department and Future plans

SWOC analysis

Strength

- Retention rate is high.
- Department having Senior as well as young professionals.
- Industry as well as Academic Experienced staff.
- Active and dedicated faculties.

Weakness

- Doctoral faculties are less.
- Less focus on Consultancy and research funding.

Opportunity

- Facing various Accreditation to be a best department / Institute in the Academic field.

Challenges:

- To be the best among Academic Institute.
- To inculcate research customs in the Department.
- To endure with good results including more number of distinction and University Ranks.
- More participation in national and international community.
- Fast pace of development in technology.

Future Plans:

- To encourage faculties for research.
- To get accredited for various accreditation.
- To develop research centre.
- To increase collaboration with industry.

MASTER IN COMPUTER APPLICATIONS

1. **Name of the department:** MASTER IN COMPUTER APPLICATIONS
2. **Year of Establishment:** 2003
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
MASTER IN COMPUTER APPLICATIONS/PG
4. **Names of Interdisciplinary courses and the departments/units involved:** NA
5. **Annual/semester/choice based credits system (programmewise):**
SEMESTER AND CHOICE BASED CREDIT SYSTEM.
6. ***Participation of the department in the courses offered by other departments:**
NA
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NA
8. ***Detail of courses/programmes discontinued (if any) with reasons:** NIL
9. **No of Teaching Post :**

	Sanctioned	Filled
Professor	2	3
Associate Professor	6	0
Assistant Professor	16	9
Lecturer		3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.) :

Name	Qualification	Designation	Specialization	No. of Years Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Mrs Sangvikar V.B	Ph.D. MCA , B.Sc.(Math)	Prof. and Head of Dept.	Computer Networking and its Applications	15	Nil
Dr.Mrs. Arjunwadkar M.V	MCA, Ph.D.	Professor	Information Security (Under Computer Studies)	16.8	Nil
Dr.Mrs. Budhkar S.A.	MCA, Ph.D.	Associate Professor	Software Engineering	13.4	Nil
Mrs. Ghule S.D.	MCA, Pursuing Ph.D.	Assistant Professor	Embedded Technology	10	Nil

Mrs. Muley P.A.	MCA, Pursuing Ph.D.	Assistant Professor	Artificial Intelligence, Data Mining	10	Nil
Mr.Puranik Y.L	MCA	Assistant Professor	Cyber Law & IT security	13.8	Nil
Mrs. Adkar P.D.	MCA, Pursuing Ph.D.	Assistant Professor	Quality management(TQM)	7.8	Nil
Mr. Kene P.M.	MCA, Pursuing Ph.D.	Assistant Professor	Database management system	7.10	Nil
Mrs. Rama Bansode	MCA, Pursuing Ph.D.	Assistant Professor	Testing	8.5	Nil
Mrs. Mulay N.C.	MCA	Assistant Professor	Distributed Database management System	7.5	Nil
Mr. Bhide S.S.	MCA	Assistant Professor	Image Processing(CBIR)	10.7	Nil

11.*Listof Visitingfaculty:

Sr.No	Name of faculty	subject	Qualification	Organization
A.Y. 2011-2012				
1	Mr. Gaurav Ambedkar	Soft Skills, Personality Development	PG in HR, PG In Marketing. (AIMS) All India Institute Of Management Studies Madras, Bachelor Of Commerce - Pune University	Trainer and Faculty (HR & Soft Skills), HR Consultant, Maruti Molecular Plast
2	Prof.N.J.Jog lekar	Management Science	B.Tech(IIT) DFM	Free lancer
3	Mr. Santosh Deshpande	Probability and Statistics	M.Sc. (Computer Science) Ph.D.	IMCC, Mayur Colony, Kothrud
A.Y. 2012-2013				
1.	Mr. Avinash Wagh	Financial Accounting and Management	MBA(Finance), M.Com, D.T.L., G.D.C. & A.	Double A Company
2.	Prof.N.J.Jog lekar	Management Science	B.Tech(IIT) DFM	Free lancer
3.	Mr. Santosh Deshpande	Probability and Statistics	M.Sc. (Computer Science) Ph.D.	IMCC, Mayur Colony, Kothrud
4.	Mr. Rahul	JAVA	MCA	Free lancer

	Gaikwad			
A.Y. 2013-2014				
1.	Mr. Paras Gaikwad	Financial Accounting and Management	M.Com	WNS,Pune
2.	Mr.Dnyaneshwar Shirode	Soft Skills	MA(English),B.Ed. Ph.D.(English) & SET Qualified	Manganmal Udham College of Commerce, Pimpri
3.	Ms.Shraddha Tondare	P&S	MCA	Free Lancer
4.	Prof.N.J.Joglekar	Management Science	B.Tech(IIT) DFM	Free lancer
A.Y. 2014-2015				
1.	Ms.Arпита Ansingkar	Advanced Java	MCA	Free Lancer
2.	Mr. Atul Patil	Soft Skills	MA(English),Pursuing Ph. D.	College of Engineering, Pune
A.Y. 2015-2016				
1.	Mr. Atul Patil	Soft Skills	MA(English),Pursuing Ph. D.	College of Engineering, Pune

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise): 16:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
TA	1	1
Peon	2	2
....		

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Sr.No	Name	Qualification	Faculty under
1	Dr. Mrs .Vaishali Sangvikar	Ph.D. MCA , B.Sc.(Math)	Computer Management
2	Dr. Mrs. Arjunwadkar M.V.	MCA, Ph.D.	Computer studies
3	Dr. Mrs. Budhkar S.A.	MCA, Ph.D.	Computer Management
4	Mrs. Muley P.A.	MCA, Pursuing Ph.D.	Computer Management
5	Mr. Kene P.M.	MCA, Pursuing Ph.D.	Computer Management

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 - 24 (national Conference- 01, International conference- 06, international journal- 17)

* a) Publication per faculty

Sr No	AY	Number of papers published in peer reviewed journals (national / International)	Number of papers published on listed in national / International Conference	Monograph	Chapter in Book	Book edited	Citation Index	SN IP	Impact Factor	H Index
1	2015-2016	1		--	--	--	--	--	--	--
2	2014-2015	--	1	--	--	--	--	--	--	--
3	2013-2014	2		--	--	--	--	--	--	--
4	2012-2013	7	1	--	--	--	--	--	--	--
5	2011-2012	8		--	--	--	--	--	--	--

* Books with ISBN/ISSN numbers with details of publishers- 1

Sr No	Name of Staff Member	Book Name	Publication	ISBN no.	year
1.	Ms. Sonal Abhyankar	Emerging trends in information technology	Nirali Prakashan, Pune	978-93-5164-173-5	July 2014

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 inter departmental/programme:Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/

Industry/ other Agencies:

2011-12- Total Students (58) placed 13, percentage 22%,

2012-13- Total Students (45) placed 10, percentage 22%,

2013-14- Total Students (58) placed 18, percentage 31%,

2014-15 Total Students (135) placed 12, percentage 17%

23.*Awards / Recognitions received by faculty :

Sr.No	Name of Faculty	Awards / Recognitions
1.	Dr. Vaishali Sangvikar	Awarded PhD in 2011-12
2.	Dr. Mrs. Maithili Arjunwadkar	Awarded PhD in 2013-14.
3.	Dr. Mrs. Shivani Budhkar	Awarded PhD 2014-15

***Awards / Recognitions received by students:**

Sr.No	Name of Student	Awards / Recognitions
A.Y.2011-2012		
1.	Mr. Anil Sonkamble	MCA-II has got a Black Belt in Karate "Shodan" from Japan University. Exam was conducted in Brazil in March 2012
2.	Mr. Rohit Shah	CREDENZ'11, 2 nd Position Pune Institute of Computer Technology, Pune,
3.	Mr. Vivek Irabatti	CREDENZ'11, 2 nd Position, Pune Institute of Computer Technology, Pune
4.	Mr. Rohit Shah	MAE Quest 2011, 1 st Position , Maharashtra Academy of Engineering ,Alandi, Pune

5.	Mr. Vivek Irabatti	MAE Quest 2011, 1 st Position , Maharashtra Academy of Engineering, Alandi, Pune
6.	Mr. Amitesh Kumar	Bag Tracking, Participation Maharashtra Academy of Engineering, Alandi, Pune
7.	Mr. Deepak Patidar	MAE Quest 2011, Participation Maharashtra Academy of Engineering, Alandi, Pune
8.	Ms. Sayali Kasbekar	MAE Quest 2011, Participation , Maharashtra Academy of Engineering
9.	Ms. Pranoti Mohite	MAE Quest 2011, Participation , Maharashtra Academy of Engineering
10.	Mr. Pushparaj Kumbharkar	MAE Quest 2011, Participation , Maharashtra Academy of Engineering
11.	Mr. Jai Mundada	MAE Quest 2011, Participation , Maharashtra Academy of Engineering
12.	Mr. Nikhil Badgujar	MAE Quest 2011, Participation , Maharashtra Academy of Engineering
A.Y. 2012-2013		
1.	Ms. Shraddha Bhopatkar	M-Pulse 2012 (Amazing Race), 2 nd Position , P.E.S.'s Modern College of Engineering
2.	Mr. Sachin Mahajan	Seed IT-Idol 2012, Participation, Seed Infotech
3.	Ms. Shruti Gulvani	Seed IT-Idol 2012, Participation, Seed Infotech
4.	Ms. Christina Charan	Seed IT-Idol 2012, Participation, Seed Infotech
5.	Mr. Vivek Irabetti	Seed IT-Idol 2012, Participation, Seed Infotech
A.Y. 2013-2014		
1.	Mr. Chinmay Naik	Tech Tornado 2013 (Zona-De-Test) , 1 st Position , SNTD, Mumbai
2.	Mr. Vishal Shetty	Tech Tornado 2013 (Zona-De-Test) , 1 st Position , SNTD, Mumbai
3.	Mr. Chinmay Naik	Tech Tornado 2013 (Zona-De-Test) , 1 st Position , SNTD, Mumbai
4.	Mr. Jai Mundada	Tech Tornado 2013 (Zona-De-Test) , 1 st Position , SNTD, Mumbai
5.	Mr. Chinmay Naik	Tech Tornado 2013 (Hermescript), 2 nd Position , SNTD, Mumbai
6.	Mr. Praveen Patil	Tech Tornado 2013, Participation , SNTD, Mumbai
7.	Mr. Sanman Chougule	Tech Tornado 2013, Participation , SNTD, SNTD, Mumbai

8.	Mr. Vikrant Naik	M-Pulse 2013 (IT War), 2 nd Position, P.E.S.'s Modern College of Engineering
9.	Mr. Omkar Bhosale	M-Pulse 2013 (IT War), 2 nd Position, P.E.S.'s Modern College of Engineering
10.	Mr. Aditya Bakwad	M-Pulse 2013 (Snap Hunt), Participation, P.E.S.'s Modern College of Engineering
11.	Mr. Rishikesh Mahajan	M-Pulse 2013 (Snap Hunt), Participation, P.E.S.'s Modern College of Engineering
12.	Mr. Chinmay Naik	M-Pulse 2013 (IT WAR), Finalist, P.E.S.'s Modern College of Engineering
13.	Mr. Atul Bhosale	IT Milan 2013(20-20 Programming, 3 rd Position, Rastriya Swayansewak Sangh
14.	Mr. Atul Bhosale	Vedant-2013 Sports Quiz, Participation, B.J. Medical College & Sassoon General Hospitals, Pune
15.	Mr. Atul Bhosale	Debate competition, Participation, Tuljaram Chaturchand College, Baramati.
16.	Mr. Atul Bhosale	Vedant-2013 Programming competition, Participation, B.J. Medical College & Sassoon General Hospitals, Pune.
17.	Miss Latika Wagh	Debate competition, Participation, Tuljaram Chaturchand College, Baramati,
18.	Mr. Pavan Alluri	Vedant-2013 Sports Quiz, and Vedant-2013 Programming competition Participation, B.J. Medical College & Sassoon General Hospitals, Pune.
A.Y. 2014-2015		
1.	Atul Bhosale	National Conference on FOSSsumMIT' 14, 1 st August to 2 nd August 2014, National Level, MIT, Pune
2.	Anand Mulay	20-7-2014 to 20-8-2014 (1Month) , WeChat , Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount , WeChat
3.	Sonika Sharma	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
4.	Pooja Dhamakar	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
5.	Monal Lahoti	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
6.	Rshikesh Mahajan	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
7.	Mahesh Chavan	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
8.	Tanvi Naik	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
9.	Darshan Karekar	20-7-2014 to 20-8-2014 (1Month) , WeChat,

		Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
10.	Nitesh vernekar	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
11.	Shalaka Mohite	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount
12.	Gaurav Jain	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
13.	Swapnil Najan	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
14.	Prajot Raikar	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
15.	Abhishek Mangutkar	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
16.	Vishal Kashid	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
17.	Kunal Gujar	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
18.	Jaity Ojha	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
19.	Manasi Hinge	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
20.	Snehal Jain	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
21.	Dragpal Singh	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
22.	Paresh Patel	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
23.	Mayuri Pathak	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
24.	Shrikant Sarda	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
25.	Khushbu Shahle	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
26.	Yogita Tayade	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat

27.	Vaibhav Garje	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
28.	Kailas Garje	20-7-2014 to 20-8-2014 (1Month) , WeChat, Inter Collegiate, Participation Certificate as Manager, Rs.3000/- Token Amount, WeChat
29.	Ashwini S. Padwal	Core Java Certification, IBM.
30.	Dharmi H Shah	Core Java Certification, IBM.
31.	Sayali Chodankar	Core Java Certification, IBM.
32.	Anupam Shahi	Core Java Certification, IBM.
33.	Sneha Gadhe	Core Java Certification, IBM.
34.	Deliya Mahajan	Core Java Certification, IBM.
35.	Pravin Kanwate	Core Java Certification, IBM.
36.	Ajay Kashyap	DB2 Certification, IBM.
37.	Imran Sohail	DB2 Certification, IBM.
38.	Preetam Rajput	DB2 Certification, IBM.

24. *List of eminent academicians and scientists / visitors to the department:

Sr.No	eminent academicians and scientists / visitors	Date	Event
A.Y. 2014-2015			
1.	Mr.Pranay Wankhede (Alumni), e-Q Technologic	5/7/2014, Saturday	Java concepts
2.	Mr. Bharat Deshmukh(Asst. Professor), Shihagad College, Nahre, Pune	19 th July 2014	Hands on ADBMS, To Learn Weka Mining Tool
3.	Mr.Avinash Wagh(Consultant)	9/8/2014, Saturday	Interviewing techniques and different sectors for IT students
4.	Mr. Prabodh Navare (CoFounder Anulom Technologies), Anulom Technologies	23 rd August 2014	Induction Program
5.	Mr.Shripad Ghodke (Project Manager), Sonora Software Pvt.Ltd.	6/9/2014, Saturday	MS Sharepoint and Knowledge Management
6.	Mr.Sagar Raghurkar(Certified Cyber Crime Investigator), Pricewaterhousecooper (PwC, India)	13/9/2014, Saturday	Cyber Frauds and Investigation

7.	Mr.Kunal Gupta(Alumni), eQ Technologic	27/12/2014, Saturday	Project Guidance
8.	Mr. Mahesh Chauhan(Alumni), Agreeya Mobility	3/1/2015, Saturday	Android Application
9.	Mr.Gaurav Ambedkar, HR Consultant	7/2/2015, Saturday	Soft Skills
10.	Aniruddha Aranke(Sr. Software Engineer), Order Dynamecs India Pvt. Ltd.	10th January 2015	Core Java concepts MCA-III
11.	Alumni Meet	17th January 2015	35 Alumni are attended
12.	Mr.Gaurav Ambedkar, Free Lancer	7th February 2015	Expectation of industry from MCA-II students
13.	Student cultural event (Traditional day)	11 th February 2015	To conduct get-together in association of M-Pluse
14.	Mr. Saurabh Oka(Managing Director), LogiTrump Consultancy services	7 March 2015	Oracle Applications and opportunities

25.*Seminars/ Conferences/Workshops organized & the source of funding: College
a)National b)International :

Sr. No	Title of Seminar/ workshops /FDP	Date & Day	Durati on	Level(Interna tional /National/State/Local)	Name of Speaker s or Experts,	Designat ion of speaker or Expert	Organiz ation of speaker or Expert	Sourc e of fundin g
A.Y. 2014-2015								
1	CLOUD COMPUTING AND ITS APPLICATIONS	Friday, 9 th January 2015	1 Day(QIP)	State Level	1)Mr.Pr abodh Naware 2) Mr.Avik Banerjee (MS CRM Consultant, Synechr on Pvt.Ltd.)	CoFoun der Anulom Technologies, Anulom Technologies (MS CRM Consultant, Synechr on Pvt.Ltd.) Synechr on Pvt. Ltd.	Cloud Computing, Architecture MS-Dynamics CRM Suite Hands – on.	Unive rsity of Pune and MCO E

26.Student profile programme/course wise : NA

27.Diversity of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
MCA	2011-2012	50	10	NIL
	2012-2013	98	7	NIL
	2013-2014	56	8	NIL
	2014-2015	40	4	NIL
	2015-2016	72	4	NIL

- 28.*How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

Sr.No	Name of Student	examination
A.Y. 2014-2015		
1	Ms. Pranali Khandare	MPSC
2	Mr. Vikas Kute	Cooperative Bank Exam
3	Mr. Amol Patil	NET Exam

- 29.*Student progression:

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG-PG					
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed Campus Selection	22	23	26	10	13
Other than campus recruitments	15	44	27	-	-
Entrepreneurship/Self-employment	-	-	1	-	

- 30.Details of Infrastructural facilities:

- a) Library – Total No. Of Titles-481 Total No. Of Volumes-695
 b) Internet facilities for Staff & Students: Yes

Sr. No.	Name of the ISP	Bandwidth
1.	TATA Communication Pvt. Ltd.	34 Mbps(1:1 LL)
2.	Reliance Communication Pvt. Ltd	10 Mbps(1:1 LL)
3.	Total	44 Mbps

- c) Class rooms with ICT facility :

S.No	Class rooms with ICT facility :	
1	Class Rooms	01
2	Seminar Hall	01

a) Laboratories

S.No	Name Of Laboratory
1	Lab -1(General Lab)
2	Lab –II (Software Lab)
3	Lab –III (Testing Lab)
4	Lab-IV (R & D Lab and Server Room)

Total Computers:

Total no. of Students = 660

No. Of Computers = 110

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	No of students
2011-2012	86
2012-2013	123
2013-2014	108
2014-2015	149

32. *Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

Sr. No.	Name of Student enrichment Programmes	Date	Name of Speakers or Expert	Designation of Speaker or Expert	Organization of speaker or Expert
A.Y. 2014-2015					
1	Workshop on HBASE for SYMCA	11 October 2014	Mr. Pheroz Shaik	(Project Leader)	Emaaar, Dubai
2	Advance Java Expert Lecture session for SYMCA	18 September	Mr. Raju Raivalasa	(Project Leader)	Zensar Technology, Pvt. Ltd. Pune.

33. Teaching methods adopted to improve student learning:

- Pre-placement activity (Vishal Sankalp).
- Group Discussions.
- Conducting expert lectures.
- Conduction, guiding and monitoring seminar.
- Project exhibition
- Internal demo presentation
- Continuous IT project evaluation on every Saturday.
- Printed notes to students.
- Internal exam like open book, midterm and MCQ test.
- Improvement of writing skills giving assignment.
- Providing manual for practical exam
- Usage of open source software
- Spoken tutorial
- Arranging hands-on practical session by Alumni students, conduction of alumni meet.
- Providing extra practical assignment other than syllabus.
- Personal as well as subject queries' handling by GFM, Mentor and subject Teacher.

34. Participation in Institutional Social Responsibility (ISR) and

Extension activities:

Sr.No	activity	Date
A.Y. 2012-2013		
1	Joy of Giving –Donation of some items to orphanage children's	29/12/12
A.Y. 2013-2014		
1	Self Defense Training Program for girl Students	5/3/14 To 14/3/14
A.Y. 2014-2015		
1	Session On Women's Health	7/3/15
2	Visit To Punarutthan Samarasam Gurukulam	14/3/15
A.Y. 2015-2016		
1	Yoga Session	23/6/15

35.SWOC analysis of the department and Future plans:

Strengths

- Experienced, dedicated Faculties
- 3 Doctorate faculties and 5 are pursuing Doctorate
- Very active and supportive alumni.
- Retention rate is high.
- Good Industry Interaction

Weaknesses

- Consultancy and research funding is trifling.
- Faculties with less industrial experience

Opportunities

- Better opening for Industrial Training and Placement as Pune is IT hub
- Additional International certification courses for students employability

Challenges

- To place students with higher salary packages
- Enhancing communication skill of Students from vernacular background

- Rapid change in Technology

Future Plan

- Organize at least one International level seminar/conference.
- Efforts to be taken to develop R & D in department
- Imparting corporate training.
- Provide the facility to students for different certifications (Microsoft, Sun , Red Hat etc) in department itself.
- In order to enhance industry –institution interaction M.O.U.'s and M.O.C.s to be signed with industry and experts
- In order to acquire emerging knowledge in modern technologies, knowledge bank sharing with international reputed institutes is being planned.

MASTERS OF BUSINESS ADMINISTRATION

1. Name of the department:- Masters of Business Administration
2. Year of Establishment:- 2005
3. Names of Programmes/Courses offered - MBA,
Ph.D.(Management)
4. Names of Interdisciplinary courses and the departments/units involved-Not applicable
5. Annual/semester/choice based credits system(programmewise)-

MBA Course Structure- 2013 pattern

Distribution of Total credits-

The programme is a combination of:

- Full Credit Courses (100 Marks each) : 3 Credits each
- Half Credit Courses (50 Marks each) : 2 Credits each

Total Credits: 100 Credits (3000 Marks) Total Courses = 38

- 20 Full Credit Courses * 3 credits per course = 60 Credits (2000 Marks)
- 1 Full Credit Course - SIP = 6 Credits (150 Marks)
- 16 Half Credit Courses * 2 credits per course = 32 Credits (800 Marks)
- 1 Dissertation (Half Credit) = 2 Credits (50 Marks)

6. *Participation of the department in the courses offered by other departments-

Sr.No.	Academic Year	Name of Faculty	Course	Subject
1	August 2011 to September 2015	Dr. Alpana Akolkar	FE, TE, BE, (IT & Comp. Engg)	Soft Skills, Life Skills Communication Skills
2	2011-12 (Sem I)	Dr. Shraddha Bhandwalkar	TE (TT Elec. Eng.) &	IMF
3	2013-14 (Sem I)	Prof. Rohini Netke	TE (Comp. Engg.)	Financial Management
4	2013-14 (Sem I)	Dr. Shraddha Bhandwalkar	ME (Elec.) & ME (Comp)	Research Methodology
5	2013-14 (Sem I)	Dr. Deepali Choudaki	ME (Elec.) & ME (Comp)	Research Methodology
6	2013-14 till date	Dr. Kalyani Srinivas	UG & PG	ED Cell

				Coordination
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7. Courses in collaboration with other universities, industries, foreign Institutions, etc.-

- Not Applicable

8. *Detailsofcourses/programmes discontinued(ifany)with reasons-Not Applicable

9. No of Teaching Post

	Sanctioned	Filled
Professor	2	1
Associate Professor	3	3
Assistant Professor	11	10
Lecturer		4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years Experience	No. of Ph.D. Students guided for the last 4 years
Dr.Shubhangi Walvekar	Ph.D ,MBA.	Professor & HOD	Marketing	23	8
Dr. Kalyani Srinivas	Ph.D.,CMA, M.Phil., PGDBA, M.Com., B.Ed.	Associate Professor	Finance	20	2
Dr.Shraddha Bhandwalkar	Ph.D.,MBA, B.Sc	Assistant Professor	Operations & Supply chain	17	NA
Prof. Shravan Owhal	MMS, B. Sc. Pursuing Ph.D	Associate Professor	Marketing	20	NA
Prof.Deepti Sawant	B.Sc. MBA	Assistant Professor	Human resource	8	NA
Prof. Swati Jain	C.A. MBA	Assistant Professor	Finance	7	NA
Prof. Nivedita Ekbote	MBA, B.E. Pursuing Ph.D.	Assistant Professor	HR	5	NA
Prof. Pallavi Shintre	MBA, MPM, B.E.(Prod.)	Lecturer	IT & HR	6	NA
Prof. Shubhangi Vanarse	MBA, B.Pharm Pursuing Ph.D	Assistant Professor	HR & Marketing	10	NA
Dr.Deepali Choudaki	Ph.D,NET, MBA, B.Sc.	Associate Professor	HR & Marketing	13	NA

Dr.Milind Datar	BAMS, DCM, MBA,MCP	Assistant Professor	IT and Marketing	15	NA
Prof. Anuyog Singh	MBA, B.Sc.	Assistant Professor	Marketing	6	NA
Prof. Surya Meher	B.Com ,MBA	Assistant Professor	Finance	10	NA
Prof. Swati Dusane	B.Com, MBA	Assistant Professor	Finance	2	NA
Prof. Rohini Netke	MBA,NET, B.Com, Pursuing Ph.D	Assistant Professor	Finance	5	NA
Prof.Sunil Lokhande	MBA,LLB, BA	Lecturer	HR	20	NA
Ms. Aparna Vibhute	MBS	Lecturer	HR	4	NA
Ms. Madhusa Kature	MBA	Lecturer	HR &Marketing	12	NA

11. *List of senior visiting faculty

Sr. No	Name of faculty	subject	qualification	Organization
AY 2011-12				
1	Prof. Gaurav Ambedkar	Communication Skills	PGDHR,B.COM., DMM	Free Lancer & Consultant
2	Prof. Shephalika Gokhale	Banking & Financial Institution	MBA Fin, ICWA,B.Com.	Free Lancer
3	Adv. Madhuri Bhide	Legal Aspects of Business	B.Com, LLM	Practicing Advocate
4	Prof.M.G.Dhaigude	Statistics & Quantitative Methods	M.Sc.(Stat)	Free Lancer
5	Prof. Pratyusha Malyala	Visual Basic & Oracle	MCA	Free Lancer
6	Prof. Jayant Oke	Business Policy & Strategic Management	MA,MMS,PGDCA, PGDTL	Free lancer
7	Prof. Uday Thipsay	Enterprise Resource Planning	BE,PMP	Delivery Manager (Head) at Godrej Infotech Ltd - MS Dynamics AX Business
8	Prof. Deepak.S.Tilak	Legal Aspects of Business	B.Com.,LLB	Free Lancer, Legal Advisor
9	Prof.Martand Khare	CV writing skill	MBA	Free Lancer
10	Prof.Trupiti Choudhari	SQM	M.Sc.Stat	Modern College
AY 2012-13				
1	Prof.Abhay Sawant	Training Skills	BE,MBA	Free Lancer
2	Prof Shubhada Athawale	Management Information System	MCA, B.Sc.	MIBM

3	Prof. Gaurav Ambedkar	Communication Skills	PGDHR,B.COM., DMM	Free Lancer & Consultant
4	Prof. Nikhil Marathe	International Business Management,IF	B.Tech., M.Com.	Free Lancer
5	Prof. Shephalika Gokhale	Insurance	MBA Fin, ICWA,B.Com.	Free Lancer
6	Prof. Uday Thipsay	Enterprise Resource Planning	BE,PMP	Delivery Manager (Head) at Godrej Infotech Ltd - MS Dynamics AX Business
7	Prof. Jayant Oke	Business Policy & Strategic Management	MA,MMS,PGDCA, PGDTL	Free lancer
8	Prof.Anup Sathaye	Visual Basic & Oracle	DAC, DCT	ARDE
9	Prof. Rummy Mehta	Income Tax	Ph.D.,NET, MMS,MPM,CS	Professional Consultant & Trainer, YAZAD SERVICES
10	Dr. Madhu Satam	Economics	Ph.D.,MA	Modern College of Arts, Commerce & Science, Pune-05
AY 2013-14				
1	Prof. Jayant Oke	Business Policy & Strategic Management	MA,MMS,PGDCA, PGDTL	Free lancer
2	Mr.Gopal Jahagirdar	NLP	MBA	Trainer
3	Prof. Gaurav Ambedkar	Personality Development	PGDHR,B.COM., DMM	Free Lancer & Consultant
4	Prof. Nikhil Marathe	International Business Management,IF	B.Tech., M.Com.	Free Lancer
AY 2014-15				
1	Prof. Jayant Oke	Business Policy & Strategic Management	MA,MMS,PGDCA, PGDTL	Free lancer
2	Prof. Gaurav Ambedkar	Personality Development	PGDHR,B.COM., DMM	Free Lancer & Consultant
AY 2015-16				
1	Adv. Madhuri Bhide	Legal Aspects of Business	B.Com, LLM	Practicing Advocate
2	Prof.Swati Bangar	Economics	MA Economics	Modern College
3	Mr.Sunil Patil	Soft Skills	B.Com.	Free Lancer
4	CA Priya Agashe	MBFS	CA	Practicing Chartered Accountant
5	Prof.Mrudula Risbud	Economics & Finance	M.Com., ACMA	Cost Accountant

12. *Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty -
-Not Applicable

13. Student -Teacher Ratio (programme wise)

-15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
TA	2	2
Peon	2	2
....		

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/MPhil/

Name	Qualification	Faculty under
Dr. Shubhangi Walvekar	Ph.D, MBA.	Management
Dr. Kalyani Srinivas	Ph.D., CMA, M. Phil, PGDBA, M.Com., B.Ed.	Management
Dr. Shraddha Bhandwalkar	Ph.D, MBA, B.Sc	Management
Prof. Shravan Owhal	MMS, B. Sc. Pursuing Ph.D	Management
Prof. Deepti Sawant	B.Sc. MBA	Management
Prof. Swati Jain	C.A. MBA	Management
Prof. Nivedita Ekbote	MBA, B.E. Pursuing Ph.D.	Management
Prof. Pallavi Shintre	MBA, MPM, B.E.(Prod.)	Management
Prof. Shubhangi Vanarse	MBA, B.Pharm Pursuing Ph.D	Management
Dr. Deepali Choudaki	Ph.D, NET, MBA, B.Sc.	Management
Dr. Milind Datar	BAMS, DCM, MBA, MCP	Management
Prof. Anuyog Singh	B.Sc. MBA	Management
Prof. Surya Meher	B.Com, MBA	Management
Prof. Swati Dusane	B.Com, MBA	Management
Prof. Alpana Akolkar	M.A Eng	
Prof. Rohini Netke	MBA, NET, B.Com, Pursuing Ph.D	Management
Prof. Sunil Lokhande	MBA, LLB, BA	Management
Ms. Aparna Vibhute	B.Sc, MBS	Management
Ms. Madhusa Kature	B, Sc., MBA	Management

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- NA

18. Research Centre / facility recognized by the University-

Research Centre is approved by SPPU **under the Faculty of Management**. The areas of research are offered in Financial Management, Marketing Management, Organizational Management

19. Publications (**upto current year**)

a) Publication per faculty

Sr.No.	Name of the Faculty	No. of Publications	Monograph	Chapter in Book	Book edited	Citation Index	SNIP	Impact Factor	H Index
1	Dr. S.P. Walvekar	5	-	-	-	-	-	-	-
2	Dr. Kalyani Srinivas	2	-	-	-	-	-	-	-
3	Dr. Shraddha Khoje Bhandwalkar	7	-	-	-	-	-	-	-
4	Prof. Pallavi Shintre	5	-	-	-	-	-	-	-
5	Prof. Shubhangi Vanarse	5	-	-	-	-	-	-	-
6	Dr. Deepali Choudaki	13	-	-	-	-	-	-	-
7	Prof. Anuyog Singh	1	-	-	-	-	-	-	-
8	Prof. Surya Meher	2	-	-	-	-	-	-	-
9	Prof. Rohini Netke	2	-	-	-	-	-	-	-
10	Prof. Alpana	1	-	-	-	-	-	-	-

	Akolkar								
11	Prof. Manali Ranade	1	-	-	-	-	-	-	-
12	Nikhil Torawane (Student, Batch 2012-14)	1	-	-	-	-	-	-	-

20. *Areas of consultancy and income generated:

-Nil

21. Faculty as members in Editorial Boards... **a biannual journal****‘Chaitanya’ with ISSN No.2277-6885 –**

Sr.No	Name of Faculty	Member in National/ International/ Editorial Boards
1	Dr. Kalyani Srinivas	Biannual journal ‘Chaitanya’ with ISSN No.2277-6885
2	Dr. Deepali Choudaki	
3	Dr. Shraddha Bhandwalkar	
4	Prof. Pallavi Shintre	
5	Prof. Rohini Netke	

22. *Student projects

- d) Percentage of students who have done in-house projects including inter departmental/programme:- 100% (SIP-Summer Internship Program)
- e) 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

Sr.No.	Name of Faculty	Awards / Recognitions
A.Y. 2013-2014		
1	Prof.Pallavi Shintre	MPM
A.Y. 2014-2015		
1	Dr. Kalyani Srinivas	CMA
2	Dr. Deepali Choudaki	Ph.D.
A.Y. 2015-2016		
1	Dr.Shraddha Bhandwalkar	Ph.D

Sr.No	Name of Student	Awards / Recognitions
AY 2012-13		
1	Sumit Sabnis, Sneha Shiromwar, Shoeb Shaikh, Gaurav Choudhary	Dumb Charades MMCC1st Runner up
2	Hrutwij Masake, Ashok Prajapati, Annad Patil, Ajay Agarwal	Ad-o-Mania MIT, Kothrud First
3	Hrutwij Masake, Apeksha Patil, Swapnil Joshi, Ajay Agarwal	Creatio Mania MIT, Kothrud Second
4	Gaurav Chaudhari, Anjani Kumari, Naseel Ali, Shahbaaz Tamboli	Quick Games MIT, Kothrud, 1st Runner up
AY 2013-14		
1	Ajay Agarwal, Suraj Pawar, Rahul Lingraj, Anurag Rawat	Treasure Race MIT DMSR, First Prize
2	Anand Patil, Ashok Prajapati, Hrutwij Maske, Kailash Bhadane	Ad-o-Mania MIT DMSR First Prize
3	Ashok Prajapati, Suraj Pawar, Rahul Lingraj, Tejash Bansode	Quick Games MIT DMSR First Prize
4	Anand Patil, Ashok Prajapati	Brainiacs MIT CMSR First Prize
5	Ajay Agarwal, Bhakti Vadhavkar, Suraj Pawar, Ashok Prajapati	Mad Adds MIT CMSR Second Prize
6	Ajay Agarwal, Bhakti Vadhavkar, Ashok Prajapati	Street Bazar MIT CMSR Second Prize
7	Ajay Agarwal, Hrutwij Maske, Swapnil Joshi, Apeksha Patil	Create- o- Mania 2013 MIT DMSR First Position
8	Ajay Agarwal, Ashok Prajapati	Minute to Win 2013 MIBM First Position
9	Gaauri Ughade, Aparna Deshmukh, Rupali Wadekar, Priya Zurunge	Minute to Win 2013 MIBM Second Position
10	Nikhil Torawane, Ashutosh Malusare, Sharayu Puranik, Gaurav Choudhari, Siva Jyoti, Nilesh Khandale	Blitzkreig (Case study Competition) Sinhgad Ambegaon Second Position
11	Akshay Kulkarni	Stock Mind Competition 2014 ICICI direct center for Financial learning National Level
AY 2014-15		
1	Mohit Kapoor	Member-Maharashtra Cricket League, Sportsman of the year u-19, u-22 and u-25, Maharashtra Premier League from Shivneri Lions, MCA President XI in 2015, Nashik Premier League- Highest auctioned Player in NPL, Represented Sikh Union Cricket Club in Nairobi, Kenya-International level,
2	Nitendra Singh Tomar	Captain-Modern Cricket League 2015 League Winner- Team MBA,
3	Kapil Patil	Vice Captain, Modern Cricket League 2015
4	Kanha Kalar	Man of the Match , Modern Cricket League

		2015
5	Prashant Jirvankar	selected in team, SPPU, Inter Collegiate Volley Ball Competition (Boys) at Ahmednagar
6	Nikhil Dalvi	selected in team, SPPU, Inter Collegiate Weight Lifting Competition (Boys) at Ahmednagar
7	MBA I	Spandan College Cultural Fest- Winner-First Prize
AY 2015-16		
1	MBA I & MBA II	Spandan College Cultural Fest- Winner-First Prize
2	Deepak Bodade	First Prize in "Vinodottam Karandak."
3	Deepak Bodade	Worked in Marathi Movie Dr.Tatya Lahane
4	Pratik Budgude	Worked in Marathi Movie Dr.Tatya Lahane
5	Akshay Patti	1 st Prize in Project Poster Presentation Competition in HNIMR.
6	Viraj Gaikwad	2 nd Prize in Project Poster Presentation Competition in HNIMR.
7	Nikhil Doke	Modernshree
8	MBA I & II	1 st Prize, Tug of War-MIBM

24. *List of eminent academicians and scientists / visitors to the Dept

Sr. No.	Eminent academicians and scientists / visitors	Date	Event
1	Mr. Sudhir Rao Chief-Coordinator & Trustee Arthakrantii Pratishthan	19.09.2011	Arthakranti- Ethical Financial Practices
2	Ms. Vaishali Tapaswi Manager Fands India	14.10.2011	Career Guidance for IT Students
3	Mr. Rahul Deshpande, CEO ,Ethos Design	23.01.2012	SAP in Functional areas
4	Mr. Vikramsinha Desai Proprietor VM Intellect	14.08.2013	Personality Development
5	Mr. Nihal Khan ICICI direct center	25.09.2013	Stock Mind – ICICI direct center for Financial learning.
6	Prof. Gaurav Ambedkar HR Consultant	28.09.2013	Impression management
7	Mr.Hemant Thakar CEO Educationbelt	10.10.2013	Guest Speaker for seminar Inner view of Interview
8	Mr. Rao Head Global Talent Track	24.02.2014	Market Research Analytics
9	Mr.Laxmikant Natu	20.09.2014	Quality Standards
10	Rtn. Vijay Gokhale	13.02.2015	Techniques for preparing and appearing for interviews
11	Mr. Pradeep Durugkar	25.02.2015	Careers for management students in SAP

12	Mr. Ganesh Watve Trainer, VM Edu	13.04.2015	Certification Programme
13	Mr. V.N Budgude CFO Rachna Builders	12.09.2015	Chief Guest for Entrepreneurs
14	Dr. Harold D'Costa	10.10.2015	Guest Speaker for workshop "Cyber crime-Offense & Defense"
15	Dr. Satish Ubale, Director, Matrix Business School	11.10.2015	Guest Speaker for session on Contemporary Marketing Research
16	Dr. Satish Ubale, Director, Matrix Business School	24.10.2015	Guest Speaker for session on Structured approach of research methodology techniques.
17	Ms. Mrudula Risbud	23.10.2015 & 24.10.2015	Business in reviving economy

25. *Seminars/ Conferences/Workshops organized & the source of funding

d) National b) International

Sr.No	Title of Seminar/ workshops/ FDP	Date & Day	Duration	Level (International /National/State/Local)	Name of Speakers or Experts,	Designation of speaker or Expert	Organization of speaker or Expert	Source of funding
1	Facebook of Global Trends and Indian Realities	28 & 29.02.2012	2 days	State Level Seminar under QIP of University of Pune	Mr. Ajit Lele, Mr. Vinay Sathe, Mr. Sudhir Rao, Mr. Narayan Gokhale, CA Milind Kshirsagar, Mr. Gavrav Ambedkar, Mr. Harish Honwad, Mr. Ravindra Chaudhari,	MD, MD, Economist, Sales Manager-Global Business, Partner, HR Consultant General Manager AVP, CHRM & C	Mahindra Hinoday Ltd. Softspin Services Pvt. Ltd. Arthakranti, Mumbai Honeywell (I) Ltd Kshirsagar, Kulkarni & Co., Chartered Accountants Persistent Systems Ltd KBL	Pune University
2	"FDI- A PANACEA OR PLACEBO"	1.02.2013	One day	State Level Seminar under QIP of University of Pune	Mr. Pradeep Tupe- Ms. Sowmya Chaturvedi - Mr. Ravi	Director (Academics), Sourcing Leader, International Purchasing Office, Partner	Yashaswi Institute of Technology, Hony Secy of	

					Sant-Mr. Shashank Pathak-	CEO,	AIMA, Cummins India Environs India Pvt. Ltd.(Architects and Town Planners) VARE, Deepak Fertilizer & Petrochemicals Corp. Ltd.	
3	Impact of ICT on teaching learning process	19.08.2013	2 Weeks	National	Dr.Roshan Kazi	Research Centre Head,	Allana Inst. Of Mgt.	AICTE
4	Symbiotic Industry relationship : A foundation for quality enhancement	8.1.2016	1 Day	State	Dr.Shailesh Kasande Br.Anant Sardeshmukh Mr.Yogesh Upadhyay Mr.Jayant Oke Mr.Hemant Thakar	Director, VIM, DG-MCCIA Dy Mgr.HR & Admin-ARAI CEO, Educationbelt Management Consultant	VIM, MCCIA, ARAI, Education belt	SPPU

26. Student profile programme/course wise: NA

27. Diversity of Students

Name of the course	Academic Year	No of students from the same state	No of students from other states	No of students from abroad
MBA	2011-2012	115	5	NIL
	2012-2013	114	4	NIL
	2013-2014	114	6	NIL
	2014-2015	118	2	NIL
	2015-2016	81	6	NIL

28. *How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. *Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG-PG	NA	NA	NA	NA	NA
PG to M.Phil.	-	Nil	Nil	Nil	Nil
PG to Ph.D.	-	Nil	1	1	Nil
Ph.D. to Post-Doctoral	-	Nil	Nil	Nil	Nil
Employed Campus Selection	-	8	4	Nil	Nil
Other than campus recruitments	-	76	70	78	80
Entrepreneurship/Self-employment	-	4	7	3	2

30. Details of Infrastructural facilities

a) Library- Apart from the central library department is having separate departmental library with modern collection of knowledge resources. Library has rich collection of resources which includes reference books, Case studies, journals, magazines, CD/DVD, Project Reports, Books on Aptitude and Personality development etc.

b) Internet facilities for Staff & Students- Institute provides latest tools of Information and communication technology.

Sr. No.	Name of the ISP	Bandwidth
1.	TATA Communication Pvt. Ltd.	34 Mbps(1:1 LL)
2.	Reliance Communication Pvt. Ltd	10 Mbps(1:1 LL)
3.	Total	44 Mbps

c) Separate language lab is established and daily schedule is prepared for students in which basic English communication is carried out.

d) Institute subscribed to e-journal portals named "J-Gate" & SD.

e) Laboratories- The department has a well equipped computer lab and system specialization lab connected through LAN.

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	No of students
------	----------------

2011-2012	63
2012-2013	98
2013-2014	89
2014-2015	109

32. *Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

Sr. No	Name of Student enrichment programmes	Name of Speakers or Experts	Date	Designation of speaker or Expert	Organization of speaker or Expert
1	“Where There Is A Will, There Is A Way!”- India's youngest Everest hero	Mr. Arjun Vajpai	08/08/2011	NA	NA
2	Derivatives	Mr. Kedar Agarkar	17/09/2011	Financial consultant	Freelance
3	Resume Writing	Mr. Martand Khare	17/09/2011	Corporate Trainer	Freelance
4	Arthakranti- Ethical Financial Practices	Mr. Sudhir Rao	19/09/2011	Chief-Coordinator & Trustee	Arthakranti Pratishtan
5	Excel Training	Ms. Anuradha Sardesai	30/09/2011 & 03/10/2011	Corporate Trainer	Fands India
6	Corporate Etiquette	Ms. Poonam Bhandari	03/10/2011	Corporate Trainer	Freelance
7	Career Guidance for IT Students	Ms. Vaishali Tapaswi	14/10/2011	Manager	Fands India
8	Sustainable Development	Mr. Jayant Lagu	15/10/2011	Business development	Free Lance
9	SAP in Functional areas	Mr. Rahul Deshpande,	23/01/2012	CEO	Ethos Design
10	MCED	Mr.Rajendra Fukne Mr.Ashok Patar Mr.S.S.Survase	31/01/2012	Trainers	MCED
11	Investor Awareness (SEBI)	Mr. Shantilal Hajeri	01/02/2012	Financial consultant	Freelance
12	How to go about SIP	Prof. Jayant Oke	22/03/2012	Corporate Trainer	Freelance
13	Need and Importance of MBA in Modern Era	Prof. Jayant Oke	02/08/2013	Management Consultant	

14	Personality Development	Mr. Vikramsinha Desai	14/08/2013	Proprietor	VM Intellect
15	Neuro Linguistic Programming	Pravin Ujagar, Gopal Jahagirdar	16/08/2013	Trainer	Free Lance
16	Training on Research Methodology	Dr. Roshan Kazi	23/08/2013	Head Research Centre,	Allana Institute of Management
17	Stock Mind – ICICI direct center for Financial learning.	Mr.Sumedh Kulkarni	25/09/2013		ICICI direct center for Financial learning.
18	Impression management	Prof. Gaurav Ambedkar	28/09/2013	HR Consultant	Free Lancer
19	Inner view of Interview	Prof.Hemant Thakar & Manasi Vadhavkar	12/10/2013	Proprietor	Education belt
20	Overview of International Market	Prof. Nikhil Marathe	22/01/2014	Consultant	
21	Market Research Analytics	Mr. Rao- Global Talent Track	24/02/2014	Head	Global Talent Track
22	Financial Modelling	Mr.Utkarsh Jain	23/02/2016 to 25/02/2016	Proprietor	Fintree

33. Teaching methods adopted to improve student learning

Teaching learning approaches are followed as under:

Teachers use a combination of different teaching-learning methods to make learning an enjoyable and fruitful experience for the students. Level of students is assessed at the beginning of session and instruction is inclined accordingly.

Teaching is done by:

a) Lecture method- During the lectures, teachers use various teaching aids such as white board, Power point presentations, videos, on line tutorials etc. to make this method more interesting. Teacher-student interaction is encouraged and difficulties encountered by the students are discussed during the lecture as well as informally after the lecture.

b) Interactive learning-To facilitate effective teaching group discussions, role plays, are carried out. Faculties also use methods

such as business quizzes, corporate logo quiz using online portal, case studies, extempore, management games, and war of words- debate competition and so on to make learning as an interesting experience.

c) Independent learning- Teachers encourage students to work independently to complete projects for the subjects such as BRM,CMR, SIP, dissertations , Specialization subjects (Marketing, Finance, HRM) so on. Activities like preparation of field visit reports, preparation of business plan, market survey, comparative study, advertising etc. are undertaken by the students. Students are encouraged to write articles, review books and pursue independent / collaborative (student –student, student - teacher) research papers for Chaitanya research Journal.

d) Collaborative learning. To inculcate collaborative learning among the students, following methods are adopted by the Institute:

i) Students are encouraged to pursue research projects, projects with different organizations and so on under the able guidance of faculty members.

ii) To inculcate leadership skills, students are encouraged to organize and participate in various events such as cultural, co curricular and extra curricular activities, intercollegiate events, and so on.

iii) Faculties make groups in the class room and assign different activities related to syllabus on this basis a positive competitive environment is created in the classroom.

v) The Institute also organizes industry visits for the students to various industries. A number of guest lectures and workshops are conducted for the students. Experts from respective fields are invited on the occasion. These sessions have proved useful in updating the knowledge of the students as well as teachers in their expertise.

e) Case Study Method. The teachers use the case study Method to encourage students to study the practical application of the theoretical concepts; cases are given to the second year MBA students, according to their specialization. They are expected to come prepared with the case for the lecture and cases are discussed.

Result analysis is done on regular basis and review of result analysis as well as planning of any further action is done through academic council meeting, management council meeting as well as management review meeting. **Feedback** is taken from parents, alumni and employers visiting the Institute for placements.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr.No	Activity	Date
1	Visiting of old age homes	February 2014
2	Pulse polio drive	10 th May 2014
3	Visit to old age homes	February 2015
4	Tree plantation at BMCC, Hanuman Tekadi	9 th August 2015
5	Joy of giving - Social awareness	3 rd October 2015
6	(Dayitwa)-Being Social Tree Nurturing Activity	10 th January 2016

35. SWOC analysis of the department and Future plans

Strengths

- Activity based teaching-learning process.
- Strong Alumni pool
- Sustained efforts for placements
- Research Centre in Management approved by SPPU.
- Majority of faculties pursuing Ph.D
- In house journal with ISSN No. ISSN:2277-6885

Weakness

- No control on quality of students getting admitted.

Opportunities

- Ample opportunities for interdisciplinary research
- Exposure to immense industrial area for job opportunities as PUNE is hub for almost all industries.
- Collaboration and MOUs with industry, MOCs with Experts.

Challenges

- Time constraint for offering more value addition along with curriculum delivery.
- Heterogeneity of admitted students creates a challenge for making the students Industry ready.
- Creating an environment for sustained research.

Future Plan-

- To provide additional soft skill training to make students industry ready.
- To organize National, international conferences on various subjects, and current issues in management field.
- To sign MOU's with different agencies.

POST-ACCREDITATION INITIATIVES

The NAAC accreditation first cycle of Progressive Education Society's Modern College of Engineering was completed in January 2011. From the year 2011, The Institute has been on a path of development and growth to sustain the measures that were positive , improve on the areas where quality enhancement was required and also venture into some innovative initiatives. The following details of the post accreditation initiatives can be broadly described under three major heads.

I. Quality Sustenance

- Orientation programs are conducted for the students to familiarize them with the facilities, rules and academics.
- Institute provides dynamic learning environment with updated curriculum taught by expert faculties. Effective plan of teaching at the beginning of every semester ensures the efficient teaching environment. Syllabus completion and complete academic record is maintained and conveyed to students at the end of every month. More emphasis is given to practical module, experiential learning, soft skill and applied knowledge. Interactive learning method through discussion, practical, and hands on experience to create an overall climate conducive to learning is followed.
- Academic Planning committee has been formed which actively participate in students admission and registration, attendance monitoring of students, meetings with defaulters and their parents, perform academic audit of Academic Record booklet.
- The Institute encourages students to participate in different extra-curricular activities, co-curricular and sports activities arranged by the institute or other institutes. Our students have been consistently winning laurels for the Institute.
- The class rooms and seminar hall of each department are enabled to deliver webinars, PowerPoint presentations with the help of LCDs and network facility. Well equipped Laboratories and lab manuals help students to acquire practical knowledge of subjects.
- Interactive education software, open access digital libraries, open source software facilitate new forms of interaction between students, teachers and enhances the quality of education by making it more accessible. Institution provides leased line Internet connectivity to staff and students.
- The Central library is also well equipped with e-resources, print copies of International and national Journals, reference books, computer center and reading room. Each Department also has departmental

library. The central library has a fully functional MIS and OPAC (Online Public Access Catalog) facility for searching e-books and e-journals.

- All the Infrastructure and equipments are regularly maintained through the annual maintenance contracts.
- The T&P Cell invites various companies for campus recruitment. It also extends its activities in helping students for placements as well as helps in career guidance.
- Institute has a policy of self appraisal and review by respective departmental head for each of the faculty members. Head of the department forwards these forms along with the recommendations to the Principal who then takes the necessary action.
- The Institute has formed various committees that are constituted by various staff members and headed by the Principal to promote academic leadership. Many committees also have representation of students on the body.

II. Quality Enhancement

- Institute has up-to-date computer facility with latest configurations and separate computer labs in each department with necessary licensed software and Wi-Fi facility. Intranet is used as a backbone with fiber optic network to provide Internet facility to all the departments.
- In addition to regular procurement for up-gradation of laboratory equipments, the Institute has also received funds for the same from BCUD, SPPU and Industry.
- Gymnasium facility within the campus has been improved with the addition of new equipments
- A multipurpose and well equipped Auditorium of 973 sq. meters area constructed within the Institute campus with seating capacity of 507 for various activities.
- The Institute is apt in infrastructure facilities for physically disabled students. Ramp, side rail, washroom, elevators, ambulance on call, wheel chair and headphone are the facilities provided.
- Extra coaching facility to students is made available through tutorials. Separate tutorial sessions are provided in the time table. Activities during tutorials are like batch demonstration, presentation and group discussion.
- GFM along with the subject teacher identifies the slow learners and guide them accordingly. They are given extra attention by consulting sessions, giving assignments, as well as homework. Books are provided from department library.

- The students are assessed based on various exams like Multiple Choice Questions (MCQ), Open Book Test, Mock-online examination, Mid Term Test and assignments.
- The Institute has an active NSS chapter.
- A variety of extension activities like tree plantation, greening the hillside, blood donation camp, visits to Orphanages and Old Age Homes, joy of giving, police mitra, Career guidance are conducted through the year.
- 18 faculties acquired Doctoral degree and 26 faculties are pursuing Doctoral degrees.
- Consultancies to other academic institutes and industries provided for energy conservation and audit. Expertise is provided to MSEDCL for detecting theft and power by faculty. Consulting is also done for renewable energy projects and Steam Power plant for outside agencies.
- The volume of research publications by faculties has increased substantially. The Institute also obtained grants from various agencies like AICTE and BCUD-SPPU.
- Five minor research projects are funded by BCUD-SPPU are in-process and one project is completed.
- Two journals 'Chaitanya' and 'Dnyanmay' are published by the institute and parent society respectively.
- Few faculties are pursuing their postgraduation and research in the collaboration with COEP, ARAI. Eminent researchers and industry experts from different organizations like COEP, ARAI are also invited to guide the students and research scholars. The Institute also signed MOCs with industry experts.
- The Institute started 'Community Development' Program under 'WIE', Women in Engineering Affinity Group IEEE (Institute of Electronics & Electrical Engineering) Bombay Section.
- The Institute has an adequate corpus in form of fixed deposits to tide over administrative and salary requirements of more than six months.

III. New Initiatives

- The institute does the Energy audit periodically by BEE (Bureau of Energy Efficiency) approved energy auditors. For this the institute receives subsidy by MEDA (Maharashtra Energy Development Association)
- On-line Admission and Student Registration software which is developed by one of our Alumni with our staff members is used for automation and creating different MIS reports.
- Activity planner and Academic calendar have been prepared before commencement of term.

- The institute identifies students from vernacular background and arranges regular practice sessions using the language lab to help improve speaking and understanding skills in English.
- Upgrading IT infrastructure for virtual learning environment through a series of webinars and online tutorials in collaboration with NPTEL and spoken tutorials
- Additional classes for improving Mathematical skills for lateral entry students (Direct Second Year Admission) are conducted every year.
- ICT used in Students Activities like E-newsletter, E-Magazines, E-brochure, Blog writing, Apps for various activities which are developed by students.
- The Google Groups of students, Google Apps, e-Mail Communication, online Journals supplements and enriches teaching-learning process.
- The Institute has signed MOUs with various organizations for skill development of students in areas like energy Audit and solar energy design and Implementation.
- On-line certification courses/ tutorials of spoken tutorials, NPTEL are made available.
- Life skill management lecture series was conducted to create awareness among the students and staff regarding various skills required for managing the professional and personal life.
- Certification is provided for SCRUM, Six-Sigma and entrepreneurship program of MCED.
- Under Confederation of Indian Industry's (CII) in association with Symbiosis Group grooming of SC / ST students is done; this activity boosts confidence among the students.
- The Institute has started holding intercollegiate sports Event called M-Sports.
- Every Department has various activity clubs. Numbers of curricular co-curricular, extracurricular, social activities are conducted under these associations.
- New schemes for Library have been introduced like book bank; extra two books issue facility on the maximum usage of library books, Reading club, institutional library membership.
- Numbers of activities are conducted under the ED cell such as Webinar on 'Funding Startups', Interaction sessions with alumni Entrepreneur, Skill Building lectures and Workshops.
- To encourage faculties, students and research scholars to patent their research findings, the Institute organized a seminar on Intellectual Property Rights on World Intellectual Property Day on 26th April 2015 in association with Great Mission Group Consultancy (GMGC) to promote and protect Intellectual Property Rights including Patent, Trademark, Copyright, Industrial Design and Geographical Indication.

Besides this the career opportunities for students as Patent Examiner (Class I officer) and Patent Agent was discussed.

- As a part of Institute Social Responsibility Initiative, we have adopted village Velhe and provided career guidance and motivation to the students studying in 8th to 12th std and also help visually challenged students by converting text to Braille among many other activities.
- The Institute has a biogas plant in which about 50 kgs of wet garbage is processed which is used in the College canteen. The resultant slurry is processed in vermiculture plant.
- The Institute has set up a waste water plant of capacity 20,000 liters of water per day. The plant is operational and this waste water is used in garden and washroom flush.
- Road safety awareness programs are being conducted school and college going students funded by US based NGO UL&YSA.

Declaration by the Head of the Institution

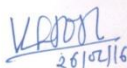
I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, 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:Pune
Date: 24th Feb 2016


Principal
Prof. Dr. (Mrs.) K.R. Joshi

with seal:

Certificate of Compliance

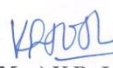
This is to certify that **Progressive Education Society's Modern College of Engineering** fulfils all norms

1. Stipulated by the affiliating University , **Savitribai Phule Pune University** and/or
2. Regulatory Council/Body, **AICTE** and
3. The affiliation and recognition is valid as on date.

It is noted that NAAC's 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 the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.


Prof. S. S. Deshmukh
Secretary, Progressive Education Society


Prof. Dr. (Mrs.) K.R. Joshi
Principal

Place: Pune
Date: 26th February 2016



Annexure

2(f) & 12 (B)

Ph. 23236351 23232701 23237721
23234116 2323533 2323231
23236735 23239437 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 8-159/2010 (CPP-I/C)

THE REGISTRAR,
University of Pune,
Ganeshkhind,
Pune - 411 007,
Maharashtra.

SEPTEMBER 2010
10 SEP 2010

Sub: - Recognition of College under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

I am directed to refer to the letter No. MCOE/UGC/2010-11/12 dated 13.07.2010 received from the Principal, Progressive Education Society's, Modern College of Engineering, 1186, A, Shivaji Nagar, Off J.M. Road, Pune - 411 005, (Maharashtra) on the above subject and to say that it is noted that the following college is un-aided/self financed and permanently affiliated to University of Pune. I am further to say that the name of the following college has been included in the list of colleges prepared under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head 'Non Government Colleges teaching upto Master's Degree':-

Name of the College	Year of Establishment	Remarks
Progressive Education Society's, Modern College of Engineering, 1186, A, Shivaji Nagar, Off J.M. Road, Pune - 411 005, (Maharashtra).	1999	The college is declared fit to receive Central Government grants from other sources, even if it does not receive grants from UGC due to paucity of funds as decided by the Commission at its meeting held on 4 th May, 2010.

The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,
(Uma Bali)
Under Secretary

Copy to:-

1. The Principal, Progressive Education Society's, Modern College of Engineering, 1186, A, Shivaji Nagar, Off J.M. Road, Pune - 411 005, (Maharashtra).
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi - 110 001.
3. The Principal Secretary, Tech. & Higher Education Deptt., Government of Maharashtra, Mantralaya, Annexe Building, Mumbai - 400 032, (Maharashtra).
4. The Deputy Secretary, UGC, Western Regional Office (WRO), Ganeshkhind, Poona - 411 007, (Maharashtra).
5. Publication Officer (UGC-Website), New Delhi.
6. Section Officer (FD-III Section), UGC, New Delhi.
7. All Sections, UGC, New Delhi.
8. Guard file.

P.E.S. Modern College of Engineering
Encl. No. 2

(Sunita Gulati)
Principal

PRINCIPAL
P.E.S. Modern College of Engineering
Pune-411 005.



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/1-2451235009/2015/EOA

Date: 07-Apr-2015

To,
The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the Institution for Extension of approval for the academic year 2015-16

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	1-2451235009
		Permanent Id	1-4779181
Name of the Institute	PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ENGINEERING, PUNE	Institute Address	1186 A, SHIVAJINAGAR, OFF. J.M. ROAD, TAL: HAVELI, PUNE-411005, MAHARASHTRA, INDIA, PUNE, PUNE, Maharashtra, 411005
Name of the Society/Trust	PROGRESSIVE EDUCATION SOCIETY	Society/Trust Address	1186 A, OFF JANGLI MAHARAJ ROAD, SHIVAJINAGAR, PUNE, PUNE, PUNE, Maharashtra, 411005
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	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 2015-16

Application Number: 1-2451235009*

Page 1 of 5

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:13 April 2015

Printed By: AE1733271


PRINCIPAL
P.E.S. Modern College of Engineering
Pune-411 005.





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

Application Id: 1-2451235009			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CONTROL SYSTEMS	FULL TIME	University of Pune, Pune	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	HEAT POWER ENGINEERING	FULL TIME	University of Pune, Pune	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	SIGNAL PROCESSING	FULL TIME	University of Pune, Pune	18	18	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	FULL TIME	University of Pune, Pune	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA

Application Number: 1-2451235009*

Page 2 of 5

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V. Patel
PRINCIPAL

P.E.S. Modern College of Engineering
Pune - 411 005





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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2451235009			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	University of Pune, Pune	120	120	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	ELECTRICAL ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	University of Pune, Pune	120	120	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA

Application Number: 1-2451235009*

Page 3 of 5

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Printed By : AE1733271

[Signature]

PRINCIPAL
P.E.S. Modern College of Engineering,
Pune-411 005.





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

Application Id: 1-2451235009			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
MCA	2nd Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ENGINEERING, PUNE 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.

Dr. Avinash S Pant
Actg 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,
University of Pune, Pune
4. The Principal / Director,

Application Number: 1-2451235009*

Page 4 of 5

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Letter Printed On:13 April 2015

Printed By : AE1733271


PRINCIPAL
P.E.S. Modern College of Engineering
Pune-411 005.





All India Council for Technical Education
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PROGRESSIVE EDUCATION SOCIETY'S MODERN COLLEGE OF ENGINEERING, PUNE
1186 A, SHIVAJINAGAR, OFF. J.M. ROAD, TAL: HAVELI, PUNE-411005, MAHARASHTRA, INDIA,
PUNE,PUNE,
Maharashtra,411005

5. The Secretary / Chairman,
PROGRESSIVE EDUCATION SOCIETY
1186 A, OFF JANGLI MAHARAJ ROAD, SHIVAJINAGAR,PUNE,
PUNE,PUNE,
Maharashtra,411005
6. Guard File(AICTE)

Application Number: 1-2451235009*

Page 5 of 5

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Letter Printed On:13 April 2015

Printed By : AE1733271

PRINCIPAL
P.E.S. Modern College of Engineering
Pune-411 005.



University Affiliation Letter 2015-16

Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :
020 - 25691233
25601258
25601259
25601257



ACADEMIC SECTION
Ganeshkhind, Pune - 411007, INDIA
Telegraph : 'UNIPUNE'
Fax : 020-25691233
Website : www.unipune.ac.in
E-mail : dvacademic@unipune.ac.in
Date : 18/03/2016

Ref. No. : CA/556

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Progressive Education Society's Modern College of Engineering, 1186 A, Shivajinagar, Pune 411 005 is affiliated to the Savitribai Phule Pune University, since 1999 (PU/PN/Engg/135/1999) and the following courses are taught in the said college as per approval.

Courses <u>Under Graduate</u>	Duration of the Course	Affiliation (Permanent / Temporary)	Validity Period
Mechanical Engineering	04 Years	Permanent	From 2006-07
Electronics & Telecommunication Engineering	04 Years	Permanent	From 2006-07
Computer Engineering	04 Years	Permanent	From 2006-07
Electrical Engineering (1 st Shift)	04 Years	Permanent	From 2009-10
Information Technology	04 Years	Permanent	From 2016-17
Computer Engineering (2 nd shift)	04 Years	Temporary	Upto 2015-16
Electronics & Telecommunication Engineering	04 Years	Temporary	Upto 2015-16
Information Technology (2 nd Shift)	04 Years	Temporary	Upto 2015-16
Mechanical Engineering (2 nd Shift)	04 Years	Temporary	Upto 2015-16
Mechanical Engineering (1 st Shift)	04 Years	Temporary	Upto 2015-16
Electrical Engineering (2 nd Shift)	04 Years	Temporary	Upto 2015-16

2..



VP
PRINCIPAL

P.E.S. Modern College of Engineering
Pune - 411 005.

Courses <u>Post Graduate</u>	Duration of the Course	Affiliation (Permanent / Temporary)	Validity Period
M.E. – Electrical Engineering (Control System)	02 Years	Permanent	From 2016-17
M.B.A.	02 Years	Permanent	From 2014-15
M.C.A. (1 st Shift)	03 Years	Permanent	From 2010-11
Master of Engineering Mechanical (Heat Power)	02 Years	Temporary	Upto 2015-16
Master of Engineering E & TC (Signal Processing)	02 Years	Temporary	Upto 2015-16
Master of Engineering (Computer Engineering)	02 Years	Temporary	Upto 2015-16
M.C.A. (2 nd Shift)	03 Years	Temporary	Upto 2015-16
M.B.A.	02 Years	Temporary	Upto 2015-16
Ph.D. Mechanical Engineering	-----	Temporary	Upto 2015-16
Ph.D. Electrical Engineering	-----	Temporary	Upto 2015-16

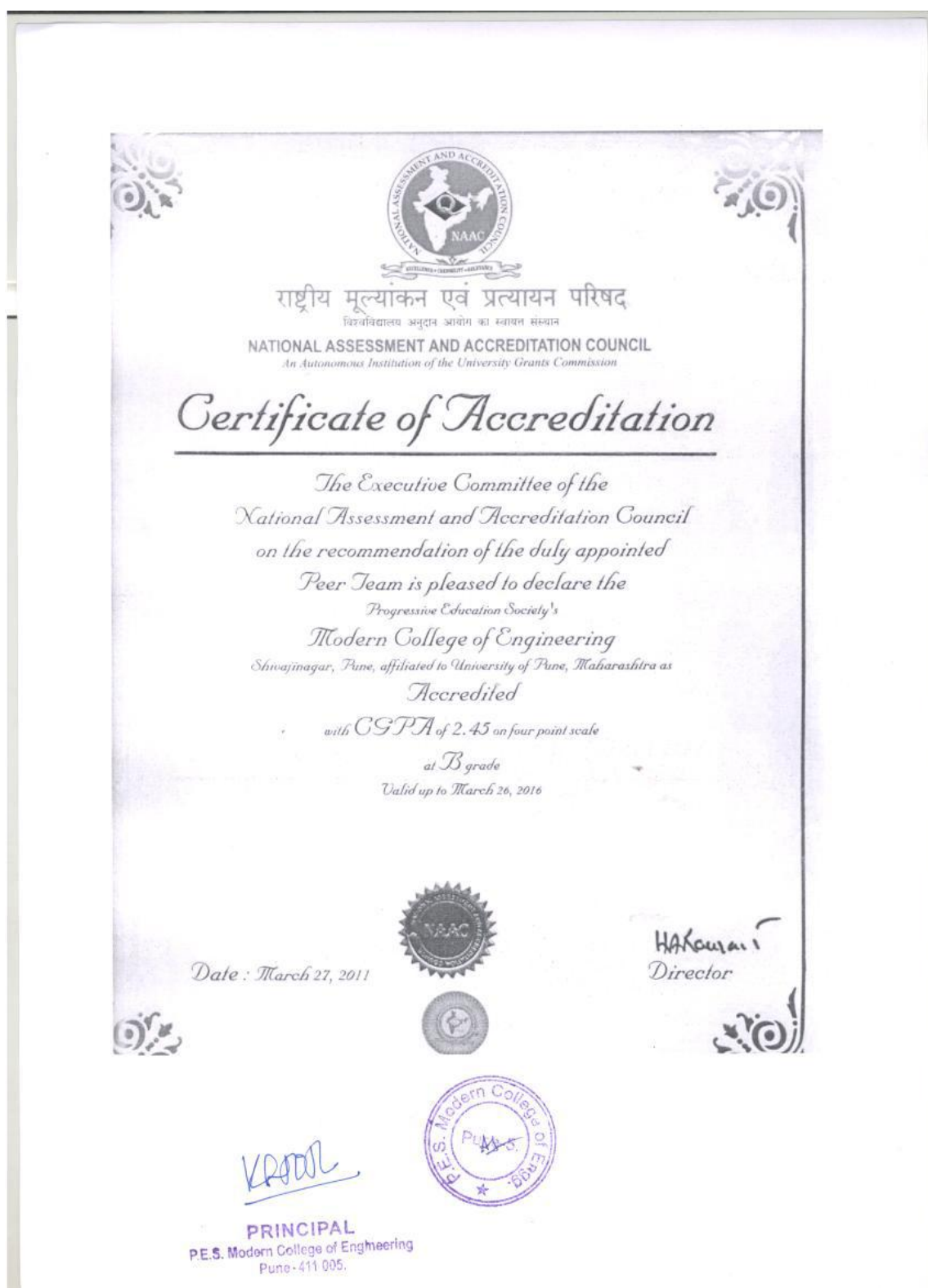
The said certificate is issued as per the request application received from the Principal of the college Ref. No. MCOE/2015-16/206, dated 09.03.2016 so as to submit it to the National Assessment and Accreditation Council (NAAC), Bangalore.



Dr. V. B. Gaikwad
Director, B.C.U.D.


PRINCIPAL
P.E.S. Modern College of Engineering
Pune-411 005.

NAAC Accreditation Letter




राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
 विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Quality Profile

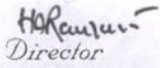
Name of the Institution : Progressive Education Society's
 Modern College of Engineering
Place : Shivajinagar, Pune, Maharashtra

Criteria	Weightage (W_i)	Criterion-Wise Grade Point Averages (Cr_i GPA)	$W_i \times Cr_i$ GPA
I. Curricular Aspects	050	2.40	120
II. Teaching-Learning and Evaluation	450	2.87	1292
III. Research, Consultancy and Extension	100	1.35	135
IV. Infrastructure and Learning Resources	100	2.25	225
V. Student Support and Progression	100	2.30	230
VI. Governance and Leadership	150	2.33	350
VII. Innovative Practices	050	2.00	100
Total	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 W_i \times Cr_i \text{ GPA} = 2452$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{2452}{1000} = 2.45$$

Grade = B Descriptor = GOOD

Date : March 27, 2011


 Director


PRINCIPAL
 P.E.S. Modern College of Engineering
 Pune - 411 005.



