Self Study Report

Submitted to

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bangalore - 560 072

by

All India Shri Shivaji Memorial Society's
Institute of Information Technology, Pune.

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ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S (AISSMS)

INSTITUTE OF INFORMATION TECHNOLOGY (IOIT)

(Approved by AICTE, New Delhi, Recognized by the Government of Maharashtra and Affiliated to University of Pune)

SELF STUDY REPORT

for

Submission to

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
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CONTENTS

NAAC STEERING COMMITTEE

Sr. No.	Name		Designation	Department
1.	Dr. P. B. Mane	(Principal)	Chairperson	
2.	Mrs. M. S. Vanjale		Coordinator	Electronics Engineering
3.	Mrs. S. M. Shaikh		Co-coordinator	Electrical Department
4.	Mrs. S. R. Agrawal		Co-coordinator	Computer Engineering
5.	Mrs. S. S. Kadam		Member	Computer Engineering
6.	Mrs. V. Philip		Member	Electronics Engineering
7.	Mr. C. N. Aher		Member	Information Technology
8.	Ms. N. S. Nagdeo		Member	Instrumentation Engineering
9.	Mrs. G. D. Salunke		Member	E & TC Engineering
10.	Mr. N. P. Bhone		Member	Engineering Science
11.	Mr. S. V. Shelar		Member	Electrical Department
12.	Mr. H. P. Chaudhari	(HOD)	Member	Instrumentation Engineering
13.	Mr. P. A. Patil	(HOD)	Member	Information Technology
14.	Mrs. S. N. Zaware	(HOD)	Member	Computer Engineering
15.	Dr. D. K. Shedge	(HOD)	Member	Electronics Engineering
16.	Mrs. M. P. Sardey	(HOD)	Member	E & TC Engineering
17.	Mr. S. M. Chaudhari	(HOD)	Member	Electrical Department
18.	Dr. Y. P. Patil	(HOD)	Member	Engineering Science

PREFACE

All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune, was established in August 1999 with a vision to uplift the common masses by rendering value added education. The Institute was established by All India Shri Shivaji Memorial Society. The society established in 1917 by H H Shrimant Shri Shahu Chhatrapati Maharaj of Kolhapur, is a premier educational institution in Pune.The Institute is a self financing Institute and is affiliated to Savitribai Phule Pune University. It is approved by AICTE and Director of Technical Education, Maharashtra State. The Institute is Centrally Located in the heart of Pune city and the location in the city enhances the traditional classroom experience by providing students greater resources, contact with business and academic authorities, employment possibilities and internships. Institute is committed to provide quality education & enhance student's quality through continuous improvement in teaching and learning processes. The Institute runs six undergraduate courses (Bachelor of Engineering) and two post graduate courses (Master of Engineering) and a Research Centre. All these courses are affiliated to the Savitribai Phule Pune University.

Under graduate courses:
- Computer Engineering (60 seats) and second shift (60 seats)
- Electronics & Telecommunication Engineering (120 seats) and second shift (60 seats)
- Electrical Engineering (60 seats)
- Information Technology (60 seats)
- Electronics Engineering (60 seats)
- Instrumentation Engineering (60 seats)

Postgraduate courses:
- M.E. (VLSI & Embedded system) (18 seats)
- M.E. (Power Electronics and Drives) (18 seats)

Research Centre: Electronics Engineering

The Institute has received **accreditation from National Board of Accreditation** New Delhi **for Electronics Engineering, Electrical Engineering and Instrumentation Engineering**. The Institute has also **received Permanent Affiliation** from Pune University for **Computer Engineering, Electronics Engineering, Electrical Engineering and Instrumentation Engineering**.

The objective of our institute is to be nationally recognized as an educational institute that prepares students for successful professional career with high human values. The institute provides expertise to students in experimentation, analysis, designing and solving real time problems that promote development of inter disciplinary research and application oriented products. It also provides students sufficient understanding of scientific and engineering fundamentals to become competent engineering graduates. The institute is committed to provide students joyful learning experience with learner centric teaching that leads to successful professional career equipped with lifelong learning skills.

It is an immense pleasure to submit the Self Study Report (SSR) of our institute to the National Assessment & Accreditation Council (NAAC), Bangalore for the first cycle of accreditation. This report is an outcome of collective efforts and we have tried our best to ensure that only true and genuine information has found its place in the report. Utmost honesty, sincerity and dedication have been exercised in the preparation of the report. This report is prepared according to the instructions laid down by NAAC.

We look forward for visit of the Peer Team and hope they will appreciate our efforts.

Dr.P.B.Mane
Principal

PRINCIPAL'S MESSAGE

It gives me immense pleasure in welcoming NAAC committee members to All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT).This institute is a constituent unit of All India Shri Shivaji Memorial Society which has strong historical background. All India Shri Shivaji Memorial Society (AISSMS) was established in 1917 by Hon'ble Shrimant Shahu Chhatrapati Maharaj in the memory of the great Maratha king Chhatrapati Shivaji Maharaj. Today there are 21 different institutes in AISSMS family.

The institute's 3 courses are accreditated by National Board of Accreditation, Delhi and 4 courses have permanent affiliation to Savitribai Phule Pune University.

AISSMS IOIT is among the top reputed technical institutes imparting high quality education. The evolution of the institute over the past one and half decades has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to provide professional education with thrust on creativity and innovation. Here, in AISSMS IOIT, we are imparting skills and knowledge to our students in best possible manner to make them employable and allowing them to dream big and helping them to achieve the same.

The historical moment for us was signing MoU with foreign Universities in USA and UK. These collaborations will help us to achieve one of our objectives of making our students globally competent.

The Alumni of the Institute have done exceedingly well in all spheres of life at both national and international levels and brought name and fame for themselves as well as to their Alma Mater. The Institute takes pride in their achievements. Reputed companies all over India are key recruiters for our institute apart from academic activities, the co-curricular activities, sports, adventure, cultural and social- service activities, form important parts of the life of the students. Every year a national level **tech fest-Alacrity** is organized which provides a strong platform for more than 4000 participants from all over India to display their talent and skill.

I assure you all that our team of dedicated and highly qualified faculty are totally committed to produce Engineers of a very high professional caliber to meet the growing and ever changing demands of global market and our students will serve our society with their technical proficiency.

All the departments of the institute have taken efforts to arrange workshops, training programs for faculty members and students under various students' chapters and professional bodies like ISTE, CSI, IE (I), IETE, ISA and IEEE. The

remarkable outcome of these activities is that our student chapter of IETE and CSI has been awarded first rank consecutively for 3 and 2 years respectively.

Dr A. P. J. Abdul Kalam has made one observation, he found in all successful people, world over, one thing common i.e. commitment towards their assigned / accepted work. Here, in AISSMS'S IOIT, we are committed to impart necessary skills and knowledge to our students in best possible manner, spirit in good environment and allowing them dreaming big and helping them achieve the same. Industry demands technocrat – leaders to serve various sectors. We all stake holders, have to work in this direction to fulfill the dream INDIA - 2020.

Dr. P. B. Mane
Principal,
AISSMS IOIT

EXECUTIVE SUMMARY

I: CURRICULAR ASPECTS

All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT) is a self-financing institution affiliated to the Savitribai Phule Pune University.The vision, mission and objective of the institute are communicated to all the stake holders through various media.The Institute follows the curriculum designed by the University for all the Undergraduate and Post graduate courses. Affiliating university revise syllabus periodically in which faculties of the Institute actively participate. The University designs curriculum by conducting syllabus revision workshops where faculties who are members of Board of Studies and senior faculties from the institute participate. The faculty also attends similar workshops conducted by the University. The faculty is given a very conducive environment to enhance their academic qualification and research skills. They are encouraged and financially supported to participate in various Faculty Development Programmes such as Seminars, Workshops, Lectures, Trainings to enhance their knowledge and skills to improve the Teaching Learning Process. The institution analyzes and ensures that the stated objectives of curriculum are achieved in the course by clearly defining Programme Educational Objective (PEO) and Programme Outcome (PO) and its effective implementation. Academic flexibility and bridging the gap between curriculum and industry is achieved by conducting workshops, seminars and signing Memorandum of Understanding (MoU) with leading industries. The Institute encourages self-employability by conducting Entrepreneurship Development Programmes.

The Institute adheres to the syllabus requirement in terms of number of instructional days, number of teaching hours per week and the number of lectures to be conducted per subject. The Institute not only ensures that 100% syllabus is taught to the students but also lays emphasis on delivering content beyond syllabus. In addition to the above, Seminars, Workshops, Expert lectures and industrial visits are also organized to help students get an insight of the current trends and practices in industry. Value added courses like soft skills, communication skills etc., are also conducted during the course of the semester, in order to achieve holistic development of the students and inculcate professionalism in them.

The Institute displays the spirit of democracy and equality by inviting feedback from all the stakeholders. Based on the analysis of all feedback inputs, the corrective measures and progressive steps are taken by the management of the institute.

II: TEACHING - LEARNING AND EVALUATION

The Institute encourages the teachers to shift from the traditional teaching – learning process to more interactive and technology based process. Majority of faculties are making use of innovative teaching techniques learnt in training programs organized by Mission10x-Wipro and NITTTR-Bhopal. As an innovative teaching- learning initiative the institute has formulated the concept of "50:10 teaching module" in which the teacher delivers the course contents for 50 minutes and 10 minutes are reserved for student to present the summary of the previous/current lecture contents. This unique teaching module boosts student's self confidence, presentation skills and clarity about content. Institute's excellence in teaching and learning is achieved by recruiting competent teaching faculty. In order to have efficient conduction of teaching throughout the semester meticulous planning is done prior to the commencement of the semester. Academic monitoring committee regularly monitors proper execution of all academic processes related to teaching and learning. Study circle peer learning and self learning mechanism are incorporated in teaching learning process. Regular syllabus completion status is maintained & continuous assessment of student's academic progress is monitored. Feedback mechanism is used to analyze the progress and to identify corrective actions. Course end surveys are also collected. The formative evaluation process is used to make the teaching-learning process more effective. The institute has the policy of having transparency in the internal assessment since its inception; the same is in place for the last four years. The examination pattern, marking scheme and Term work assessment scheme are communicated to the students at the beginning of the semester.Tests, tutorials and remedial classes are conducted on a regular basis, to ensure that the students grasp the concepts being delivered in the classrooms and laboratory sessions.

III: RESEARCH, CONSULTANCY AND EXTENSION

The Institute has been recognized as research center for the faculty of Electronics Engineering, since 2014-15 under the affiliation of Savitribai Phule Pune University. Institute has established Research & Development (R&D) cell which comprises of faculty members from various departments of the institute. This committee monitors the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth. Research and Development Cell promotes industrial consultation, extends consultancy and R&D services as per industry needs, contributes to increase research activities among the faculty &students through, Paper publication in International, National Journals, Paper presentations in International, National, State level conferences, seminars and symposiums.The R&D cell has promoted large number of participation and organization of various conferences, workshops, seminars, technical events for paper presentation, model making and design competitions.

A Technical Club has also been set up with necessary facilities. The students have free access to work in this center during extended hours. The institute also gives financial assistance to research scholars for attending conferences and to publish their papers.

The Institute strongly believes in establishing a bond with the industry for the purpose of inclusive growth by signing Memorandum of Understanding (MoU) with industries. The Institute promotes consultancy work to be carried out with outside agencies/industries so as to provide solution to industrial problems through sharing of expertise.The institute also encourages extension activities and enrichment programmes through NSS, Students Associations and professional society students' chapter.

IV: INFRASTRUCTURE AND LEARNING RESOURCES:

The institute adheres to the norms provided by AICTE and University to provide infrastructure to facilitate effective teaching and learning. The Institute has planned and constructed the infrastructure which facilitates the curricular and co-curricular activities. All the departments are fully equipped with the necessary infrastructure to meet the ever increasing requirements with adequate class rooms, seminar halls, tutorial rooms, laboratories and sufficient space for hosting all academic activities. The specialized facilities and equipment for teaching, learning, research etc. are available in each department.

The college central library is spacious with reading room and seating facility. The library has a huge collection of book titles, references, journals, magazines and a book bank facility in order to foster the teaching learning process. Apart from this each department in institute is equipped with the departmental library. Institute has around 600 computer systems with latest configuration and large storage capability along with high speed multicore processors. Institute also provides internet connectivity through 12 Mbps leased line.

The entire infrastructure is maintained and managed by efficient housekeeping team under the supervision of the housekeeping committee. Regular checks are conducted and checklists are maintained for all areas. The process of repairs and maintenance is documented and carried out by the maintenance committee. Annual Maintenance Contracts are provided for maintainance of critical equipments, laboratories and housekeeping to external agencies.

V: STUDENT SUPPORT AND PROGRESSION

The Institute has above 2210 students, from diverse backgrounds studying in the institute. In order to cater to the needs of students, a Guardian Faculty Member (GFM) is allocated to each class who monitors the academic progress (including curricular and extracurricular) of the students. The GFM is in regular contact with the students, their parents and local guardians. A mentor faculty is allocated to

group of 20 students. The mentor monitors the academic and personal development of the students. The mentor faculty resolves issues of the students related to academic and personal problems. The Training & Placement (T&P) cell of the institute provides career guidance and organizes campus recruitment drives for the students. The T&P cell prepares the students for placement activities through various initiatives such as online assessment tests and soft skills development Programmes. The institute arranges special coaching for preparing students appearing for competitive examinations. Development of Entrepreneurial skills is encouraged in the students through various entrepreneurship development activities.

To ensure the overall development of the students the institute regularly conducts co-curricular and extracurricular activities. Extracurricular activities in almost all areas are being arranged to mould the students in multidimensional personalities. The institute organizes intercollegiate cultural and technical event like Alacrity where in students from engineering colleges all over India are invited to exhibit their talents by participating in various competitions like paper presentation, Robotrick, C-saw, Shot Circuit etc. The institute also participates in Purushottam and Firodiya Karandak (State level Drama Competitions) where students get the oppurtinity to exhibit their art and drama talent. The departments also organize various sports, games, cultural and other extra curricular activities in the first semester to provide a platform to the new students to showcase their talents. Our students have received appreciation and awards by participating in various state and national level competitions.

VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

Under the guidance and competent leadership of our President, Chhatrapati Shahu Maharaj of Kolhapur, the college is governed by the members representing varied fields. Democratic leadership ensures decentralization of authority and involvement of faculty in decision making process. The Quality Policy and quality objectives are reflected in our mission and vision statement, which focuses on development of the students, continuous learning for staff, provide research oriented atmosphere for the staff and students and inculcate articulated values in students. To achieve optimum standards of quality, formal and informal arrangements to coordinate academic and administrative planning and implementation have been done. Well-defined Quality Management Systems enable achievement of the Vision, Mission and objectives of the Institute in a transparent manner. The institute follows university norms for recruitment of teaching and non teaching staff. Performance appraisals and feedback mechanism are the key tools, which help in assessing the performance of the teaching and non teaching staff and provide insight into the improvement plans to be adopted.The institute empowers its faculties by giving them the authority, responsiblity and

accountability in the work assigned to them.The quality systems and processes are implemented through effective and optimum utilization of financial resources. Budgeting is regarded as a key function and involves participation of not only Top Management but also faculty members.

The departmental budgets are prepared by the respective department heads and are presented to the Principal.The Principal recommends the same for further approval by the Top Management. Periodical statutory audits are conducted to ensure optimum utilization of funds as stated in the budgets.

The institute had formed the Quality Circle Committee since 2009.The institute also has the academic advisory committee from year 2013-14 and from this academic year both the committees are merged and renamed as Internal Quality Assurance Cell (IQAC).

VII: INNOVATIONS AND BEST PRACTICES:

The Institute is committed to adopt environment-friendly policies with regard to plantation, waste management, use of renewable energy sources and water harvesting. The Institute has introduced many innovations during the last four years which have created a positive impact on the functioning of the institute. The best practices includes Innovative teaching methodologies adopted, Self learning process, Learning beyond syllabus, Academic Monitoring, Student Counseling, Feedback system, reward system, Technical Clubs, Study Circle for Competitive Exam and performance based appraisal.The two best practices "Reward System" and "Industry Institute Interaction" have been described in detail. The goal of the first practice is to appreciate the work done by the teaching staff, non teaching staff and students of the institute and motivate them to excel in their areas of expertise and that of the second practice is to build outcome oriented industry linkages. These practices would ensure continuous improvement in their performance as per the quality policy to achieve the Vision and Mission of the institute.

SWOC ANALYSIS OF THE INSTITUTE

Strengths:
- Historical background and royal legacy.
- Excellent final year results with University Rankers.
- Effective teaching and learning practices.
- Funding from agencies like University, AICTE, ISTE, ISRO, CSIR and EDI-Ahmedabad.
- Significant academic and value addition for skill development and employability.

- State-of-the-art infrastructural facilities like well equipped classrooms, laboratories and hostels.
- Young, dynamic, experienced and motivated faculty.
- Well implemented student counseling scheme.
- Three undergraduate engineering departments accreditated by NBA and Four departments permanently affiliated to the University.
- Significant achievements in professional body activities.
- MoU's with foreign Universities and renowned industries.
- Outcome oriented industry linkages.
- Good faculty contribution in publication.
- Good faculty retention.
- Remarkable participation and achievements in co curricular and extra curricular activities.
- Strong sense of social responsibility among students and staff.

Weakness:

- Lack of patents (IPR).
- Consultancy activities to be enhanced.
- Less number of faculties with PhD qualification.
- Limited support from Alumni.
- Inadequate placements.
- Entrepreneurship development related activities are less.

Opportunities

- Scope for increasing activities related to testing, consultancy and patents.
- Scope for establishing Centre of Excellence in collaboration with industry.
- Scope for improvement in placement and entrepreneurial activities.
- Scope for inter disciplinary research.
- Scope for joint academic and research programmes with international universities.
- Scope for development through Alumni contributions.

Challenges

- Exponential growth in the number of engineering colleges makes it a challenge to attract academically strong students.
- Engineering education programs are reputed to be difficult causing them to be avoided by students.
- Some web-based engineering programs are now offered free of charge

- Extra efforts need to be taken to cater to the ever changing industry requirements so as to enhance employability.
- Limited scope for reforming curriculum as per changing needs of industry.
- Engineering requires multi-disciplinary knowledge, but the educational curriculums of the universities are overloaded with specialised technical detail as a consequence of the technology explosion.
- Program content does not develop the skills essential for practice as a professional engineer.

SECTION B: PREPARATION OF SELF-STUDY REPORT

1.   Profile of the Affiliated / Constituent College

1.   Name and Address of the College:

Name:	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S INSTITUTE OF INFORMATION TECHNOLOGY, PUNE	
Address:	KENNEDY ROAD, NEAR R.T.O.	
City: PUNE	Pin: 411001	State: MAHARASHTRA
Website:	www.aissmsioit.org	

2.   For communication:

Designation	Name	Telephone withSTD code	Mobile	Fax	Email
Principal	Dr. Pradeep .B. Mane	O:020-26057983 R:020-24226291	+91-9422083312	020-26058877	1. pbmane6829@rediffmail.com 2.aissmsioit@hotmail.com 3.principal@aissmsioit.org
VicePrincipal	-	-	-	-	-
Steering Committee Co-ordinator	Ms. M. S. Vanjale	O:020-26057983 Ext:408	+91-9423872768	-	vmousami@gmail.com
Steering Committee Co-ordinator	Mrs. Shikha R Agrawal	O:020-26057983 Ext :507 R: 020-27206910	7774096475	-	shikhsmailme84@gmail.com
Steering Committee Co-ordinator	Mrs. S. M. Shaikh	O:020-2657983 Ext 217 R- 020-26805286	988166786	-	saba.mubeen@gmail.com

3.   Status of the Institution:
            Affiliated College   ✔
            Constituent College
            Any other (specify)
4.   Type of Institution:
            a. By Gender
                i.   For Men
                ii.   For Women
                iii.   Co-education   ✔
            b. By Shift
                i.   Regular   ✔
                ii.   Day
                iii.   Evening
5.   It is a recognized minority institution?
            YES
            NO   ✔
        If yes specify the minority status (Religious/ linguistic/ anyother) and provide documentary Evidence.

Not Applicable

6.   Sources of funding:
            Government Grant-in-aid
            Self-financing   ✔
            Any other (specify)
7.   a. Date of establishment of the college: 01/08/1999

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

            Savitribai Phule Pune Unniversity

Refer Annexure-I (pp 366-367)

        c. Details of UGC recognition:

UnderSection	Date,Month&Year (dd-mm-yyyy)	Remarks(Ifany)
i.2(f)	--	IN PROCESS
ii.12(B)	--	IN PROCESS

Enclose the Certificate of recognition u/s 2(f) and 12 (B) of the UGC Act)
        d. Details of recognition/ approval by statutory/ regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ Clause	Recognition/ Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
AICTE	BE-Computer Engineering, F.No. File No.740-89-326(E)/98	06/10/1998	Permanent	
	BE- Electrical Engineering, F.No. File No.740-89-326(E)/98	06/10/1998	Permanent	
	BE- Electronics Engineering, F.No. File No.740-89-326(E)/98	06/10/1998	Permanent	
	BE- Instrumentation Engineering, F.No. File No.740-89-326(E)/98	06/10/1998	Permanent	
	BE-Electronics & Tele – communication, F.No. File No.740-89-326(E)/98	27/07/2007	1 year	Approval is extended every year by submitting the required documents as per AICTE
	BE-Information Technology, F.No. File No.740-89-326(E)/98	30/06/2008	1 year	
	ME- Electrical(Power electronics & drives)	19/03/2013	1 year	
	ME- E&TC(VLSI & Embedded Systems)	19/03/2013	1 year	
	PH.D- E&TC	16/12/2014	3 years	Approval is extended every 3 years by submitting the required documents as per AICTE

Refer Annexure-II (pp 368-371)

8.   Does the affiliating university Actprovide 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 by UGC as a College with Potential for Excellence (CPE)?

Yes   ☐   No   ✔

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

b. for its performance by any other governmental agency?

Yes   ☐   No   ✔

If yes, Name of the agency………N.A……………and
Date of recognition: ……N.A…………… (dd/mm/yyyy)

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

Location*	URBAN
Campus area in sq. mts.	10117.14 sq. mts.(2.5 acres)
Built up area in sq. mts.	16950 sq. mts.

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

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

- Auditorium/ seminar complex with infrastructural facilities: Yes (multipurpose hall with seating capacity of 300 and Open air Theatre (OAT) with capacity of 500)
- Sports facilities
  * Play ground ✔
  * Swimming pool ✔
  * Gymnasium ✔

- Hostel
    - ∗ Boys'hostel: Yes
        - i. Number of hostels: 01
        - ii. Number of inmates: 75.
        - iii. Facilities (mention available facilities):
            - Basic furniture, water purifier, hot water supply, house keeping, mess facility, first aid facility and security.
    - ∗ Girls hostel: Yes
        - i. Number of hostels: 02
        - ii. Number of inmates: 50+50.
        - iii. Facilities (mention available facilities)
            - Mess, 24 Hours, Security, water cooler, fire fighting system, house keeping, basic furniture and first aid facility
    - ∗ Working women's hostel: NO
        - i. Number of inmates: NA
        - ii. Facilities (mention available facilities) NA
            - Residential facilities for teaching and non-teaching staff (give numbers available cadrewise) NO
            - Cafeteria—YES
            - Healthcentre–YES
    - ∗ Firstaid, Inpatient, Outpatient, Emergency care facility
    - ∗ Health centre staff–

Qualified Doctor	Full time	01	Part-time	---
Qualified Nurse	Full time	01	Part-time	---

- Facilities like banking, post office, book shops - NO
- Transport facilities to cater to the needs of students and staff - YES
- Animal house - NA
- Biological waste disposal – NA
- Generator or other facility for management/ regulation of electricity and voltage- YES
- Solid waste management facility - YES
- Waste water management - NO
- Water harvesting - Yes

12. Details of programmes offered by the college (Give data for current academic year) 2014-15

Sr. No.	Progra mme Level	Name of the Programme/ Course	Durati on	Entry Qualifica tion	Medium of instructi on	Sanctioned/ approved Student strength	No.of students admitted
1.	Under-Graduate	Electrical Engg.	4 Years	12th JEE/ Diploma	English	60	56
		E& TC Engg.				180	152
		Electronic Engg.				60	43
		Computer Engg.				120	120+4*
		Information Technology				60	51
		Instrumentation Engg.				60	48
2.	Post-Graduate	Electronics Engg.(VLSI & Embedded System)	2 Years	B.E. / B Tech + GATE	English	18	14
		Electrical Engg.(Power Electronics & Drives)				18	10
3.	Ph.D.	E & TC	3 Years	ME/ M Tech	English	-	-

13.   Does the college offer self-financed Programmes?
             Yes [   ]   No   [✔]
             If yes, how many?

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

Yes [✔]   No [   ]   Number [03]

[2PG +1Ph.D]   **Refer Annexure-III –A and III-B (pp 372-373)**

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

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Engineering	Instrumentation Engineering	✔		
	Computer Engineering	✔		
	IT Engineering	✔		
	E &TC Engineering	✔		
	Electronics Engineering	✔	✔	✔
	Electrical Engineering	✔	✔	
	Engineering Science	✔		

16.   Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com…)

a.	Annual system	
b.	Semester system	✔
c.	Tri semester system	

17.   Number of Programmes with

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

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

Yes [   ]   No [✔]

Ifyes,

a. Year of Introduction of the programme(s) …………………(dd/mm/yyyy) and number of batches that completed the programme
b. NCTE recognition details (if applicable) Notification No. …………Date :……..,,(dd/mm/yyyy) Validity: ....
c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes [   ]   No [✔]

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

Yes [   ]   No [✔]

If yes,

a. Year of Introduction of the programme(s)…………………(dd/mm/yyyy) and number of batches that completed the programme
b. NCTE recognition details (if applicable) Notification No. …………Date:……..,,(dd/mm/yyyy) Validity:…………
c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes [   ]   No [   ]

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

Positions	Teachingfaculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/ University/ State Government	04	02	15	06	75	32				
Recruited	00	00	09	09	24	27				

Yettorecruit	04	02	06	-	51	05				
Sanctioned by the Management/ society or other authorized bodies *Recruited*	0	-	0		22	40	59	03	18	03
							59	03	18	03
Yet to recruit	00						0	0	0	0

*M-Male*F-Female

21.   Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanentteachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	01	00	04	00	01	01	07
M.Phil.	-	-	-	-	-	-	00
PG	-	-	-	-	28	38	66
Temporaryteachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	15	39	54
Part-timeteachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

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

NA

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

Categaries	Year14-15		Year 13-14		Year 12-13		Year 11-12	
	*M	*F	*M	*F	*M	*F	*M	*F
SC	35	12	31	27	36	18	17	16

ST	03	01	02	01	03	02	00	01
OBC	60	38	37	68	74	55	47	38
General	160	119	160	149	174	161	143	99
Others	31	15	67	58	41	30	23	14

   *M-Male*F-Female

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

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same state where the college is located	2128	52	-	-	-
Students from other states of India	45	02	-	-	-
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	2173	54			2227

25.   Drop out rate in UG and PG (average of the last two batches)

   UG | 121 | PG | NA |

26.   Unit Cost of Education
   (Unit cost =total annual recurring expenditure (actual) divided by total number of students enrolled)
(a)   Including the salary component   **Rs. 77,380/-**
(b)   Excluding the salary component   **Rs. 27,419/-**

27.   Does the college offer any programmes in distance education mode (DEP)?

   Yes | | No | ✔ |
If yes,
      a. Is it a registered centre for offering distance education programmes of another University
   Yes | | No | |
      b. Name of the University which has granted such registration.
      c. Number of programmes offered
      d. Programmes carry the recognition of the Distance Education Council

   Yes | | No | |

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

Programme/Course	Student/teacher
Instrumentation Engineering	15:1
Information Technology	15:1
Computer Engineering	15:1
Electronics & Telecommunication Engineering	15:1
Electronics Engineering	15:1
Electrical Engineering	15:1
Engineering Sciences	15:1

29.   Is the college applying for

Accreditation:

Cycle1	✔	Cycle2	
Cycle3		Cycle4	

Re-Assessment:

(Cycle1 refers to first accreditation and Cycle2, Cycle3 and Cycle4 referstore- accreditation)

30.   Date of accreditation* (applicable for Cycle2, Cycle3, Cycle4 and re - assessment only) **NA**

Cycle1: ------ (dd/mm/yyyy) Accreditation Outcome/ Result ------
Cycle2: ------ (dd/mm/yyyy) Accreditation Outcome/ Result ------
Cycle3: ------ (dd/mm/yyyy) Accreditation Outcome/ Result ------
Kindly enclose copy of accreditation certificate (s) and peer team report(s) as an annexure.

31.   Number of working days during the last academic year

243

32.   Number of teaching days during the last academic year
(Teaching days means days on which lectures were engaged excluding the examination days)

206

33.   Date of establishment ofInternal Quality Assurance Cell (IQAC) IQAC ---06/07/2012--- (dd/mm/yyyy)

34.   Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC
AQAR (i) ………. (dd/mm/yyyy)   AQAR(ii) ………. (dd/mm/yyyy)
AQAR(iii) ………. (dd/mm/yyyy)   AQAR(iv) ………. (dd/mm/yyyy)

35.   Any other relevant data (not covered above) the college would like to include (Do not include explanatory/ descriptive information).
Three Departments namely Electronics, Electrical and Instrumentation have received accreditation for Two Years from NAB.

Refer Annexure-IV (pp 374-376)

CRITERIA-WISE INPUTS

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
"To uplift the common masses by rendering value added education"

MISSION
"Empowering Society through dynamic education."

OBJECTIVES of AISSMS IOIT
1. To be nationally recognized as an educational institute that prepares students for successful professional career with high human values.
2. To provide students sufficient understanding of scientific and engineering fundamentals to become competent engineering graduates.
3. To provide expertise to students in experimentation, analysis, designing, solving real time problems that promote development of inter disciplinary research and application oriented products.
4. To develop multidimensional ,globally competent professional students community
5. To provide students joyful learning experience with learner centric teaching that leads to successful professional career equipped with lifelong learning skills.

Communication to Stakeholders:
- The vision, mission and objectives of the institution are displayed at following places
  - Main entrance of department
  - HOD/Staff cabins
  - Departmental laboratories
  - Departmental library
  - Department notice boards
  - Institute's website www.aissmsioit.org
- Published in
  - Departmental newsletter
  - Institute's brochure
  - Institute's magazine

Apart from above, these are also shared among stake holders through emails and social websites as well as through student induction programs and faculty meetings.

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).

The institution meticulously plans for effective implementation of the curriculum. The detailed process is stated below:

Planning for the Term:

i. **Implementation of curriculum and preparation of academic calendar as prescribed by the University.**

The departments of the Institute prepare academic calendar in line with the academic calendar prescribed by the University. This academic calendar considers minute details of each and every activity like Expert lectures, industrial visits, various departmental and college level technical and non-technical bodies' activities organised by EESA, NSS, and IEEE etc. for all classes as well as curricular and co curricular activities of the department.

ii. **Finalizing of Faculty for each subject and Electives to be included in next semester:**
  - Before the end of the term, subjects for the next semester from curriculum are floated to faculty and each faculty submits his/her subject preferences to the HOD. Likewise, the electives are also floated to the students and choice is taken from the students so as to finalize and plan in advance for the electives.
  - The Faculty for a particular subject is finalized in the department meeting headed by the HOD, after considering the faculty preference, qualification, area of expertise, number of times subject taught and experience. The subject distribution is planned and communicated well in advance for proper preparation.

iii. **Preparation of Timetable:**
  - Timetable considering class, faculty for each subject and classroom are prepared and approved by the HOD, Principal and displayed on notice boards and college websites prior to commencement of new term.

iv. **Preparation by each Faculty:**
  - For the subject allotted each faculty prepares theory and practical teaching plans before the commencement of the term taking into consideration the academic calendar.

- Laboratory manuals are also prepared for each subject by the respective subject in charges by inclusion of all compulsory experiments to be conducted for a particular subject. Detailed procedures for conduction of experiments, theory or background required for a particular experiment, safety precautions to be taken, observation table, calculations and important oral questions are all incorporated in the lab manual itself.
- Course files for each subject are also prepared and maintained which includes the following:

Sr. No.	CONTENTS OF COURSE FILE	Remark
GENERAL		
1.	Department VisionMission	
2.	Department PEOs and Pos	
3.	Academic calendar	
PART(A) : THEORY CONTENTS		
4.	Individual Time Table	
5.	University Syllabus (Formatted as per Cr.3 Guidelines)	
6.	Course objectives and Course Outcomes (CO)	
7.	CO-PO mapping	

8.	Course Contents:
	   i. List of books referred (Sr. No. – Name of book – UnitNo.)
	   ii. Unit wise notes, material,PPT etc.
	   iii. Contents to bridge curriculum gap(if any)
	   iv. Content beyond syllabus(if any)	

9.	Previous University question papers min.03+model answers	
10.	Unit test question paper(with CO/PO mapping)&Model answer,photocopy of sample answer paper of students (Highest and average)	
11.	Theory question Bank (With CO/PO mapping)	
12.	Oral/Practical question bank(With CO/PO mapping)	
13.	Assignments Questions (With CO/PO mapping): Total Assignment-06,Sample assignments of students	
14.	Tutorial/Remedial classes(if any)	
15.	Guest lecture documents (if any)	
16.	Industrial visit report (if any)	
PART(B):PRACTICAL CONTENTS		
17.	Experiment list(SPPU +Content beyond syllabus+content to bridge the gap)	

18.	Lab manual(soft copy+ hard copy)including all experiments	
19.	Sample practical file	
PART(C):ACADEMIC PROGRESS RECORD (APR) BOOK		
20.	Complete Academic Progress Record (APR) Book (Teaching plan should include activities like industrialvisits, guest lectures, seminaretc.mapped with CO/PO)	

v. **Academic Monitoring Committee:**

- Academic monitoring committee regularly monitors the classes and takes regular feedback of students, staff, addresses any grievances and conveys it to HOD for corrective measures.
- Each faculty maintains daily attendance sheet of both theory as well as practical, project,etc.
- A Guardian Faculty Member (GFM) is appointed for each class who collects this data from respective subject teachers to identify students with poor attendance. Parents of such students are informed by telephone and sms alerts are also sent on regular basis.
- Staff feedback from students is taken twice in a semester and analyzed by the GFM. If the feedback is poor the faculty is advised to take corrective measures by the HOD.
- GFM also collects the data regarding syllabus coverage, defaulter students at end of each month and this is reviewed in the Academic monitoring committee meeting every month.
- Follow-up of defaulter students is done by counseling and sending attendance reports to parents or meeting the parents if needed.
- Apart from this Staff meetings are held every week by the HOD to review the teaching learning process, academic progress of the students, grievances if any and suitable remedial measures are taken as and when necessary

vi. **Resource Planning:**

- Dead stock verification of laboratories is done at the end of each semester**.**
- Instruments which require repair or are obsolete are identified.
- New raw material, consumables, equipments, instruments, demonstration kits, and/or software for the laboratories are identified and accordingly the Lab-incharge gives requirement and budget for the respective lab.
- These requirements from all Departments are given to the purchase committee which then calls for quotations.

- Comparative statements are prepared to release requisition for purchase of equipments, instruments, demonstration kits and software for laboratories.
- After receipt of these, demonstration is arranged for all faculties and test report is prepared.

vii.   Projects Selection for students:
- There is a project coordinator in each department who is responsible for taking the project groups from students prior to the begining of the new academic year and assigning project guides to these student groups.
- The students are encouraged to get company sponsored projects, innovative projects and even college sponsors few projects every year.
- The students are encouraged to select new and innovative projects and hence list of last two years projects is put up and students are not allowed to repeat these projects.
- The project progress is monitored regularly by conducting progress seminars, periodical demo of the project and half yearly report submission and this progress is maintained with log book.
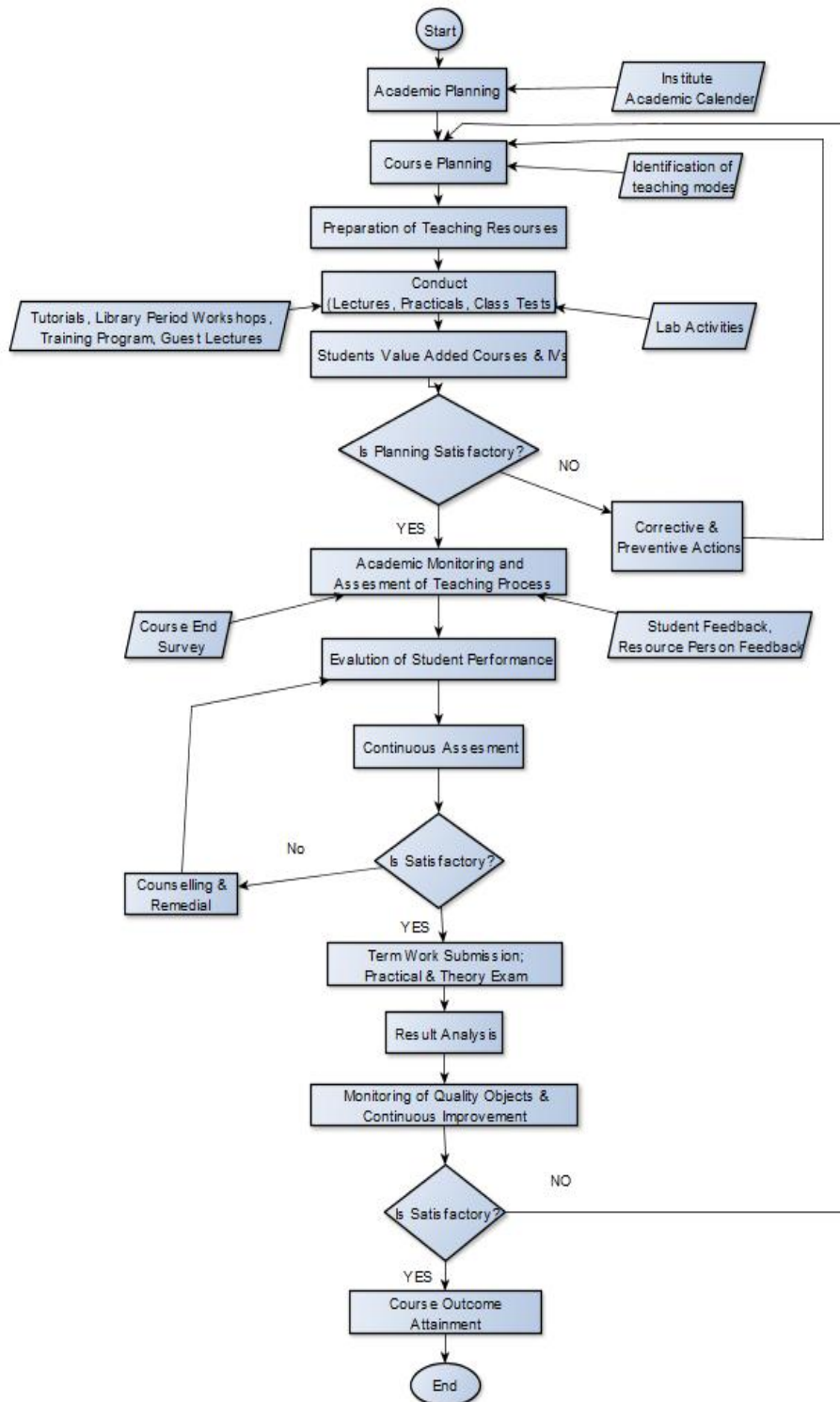
Fig. 1.1.2 Effective Implementation of the Curriculum

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?

- Faculty from every department was deputed for the NITTTR-Bhopal and Mission10x programme conducted by Wipro for improving teaching skills and inclusion of as much of innovative teaching as possible. One of the staff members has been awarded the "Cambridge International Certification for Teachers and Trainers" by Cambridge University for Innovative Teaching.
- Institute offers training on teaching methodology by organizing special training programs for faculty.
- The institute also encourages and sponsors faculty members to attend faculty development programs (FDP), Short Term Training Program (STTP), workshops etc; so as to enrich their subject knowledge and stay abreast with latest technological development.
- The institute also provides LCD projectors and internet connectivity in each class room for effective teaching.
- The central library has a large number of books on varied subjects and each semester every staff member gives requirement for his/her subject books to be procured and made easily available to the students. The college provides ample books and other teaching and reference materials like journals, magazines; teaching models and software's to enable teachers to ensure effective delivery of curriculum.
- Each department also has its own departmental library to facilitate staff and students for programme specific books and journals.
- Add on modules are conducted in all departments every term by industry experts to bridge the curriculum gap.
- The R&D cell in the institute conducts orientation programs and workshop to inculcate research aptitude in teaching faculty.
- Faculties are encouraged for higher education like post graduate courses, Doctorate programs and certification courses.
- Savitribai Phule Pune University (SPPU) grants research funds for faculty research projects. Faculties are motivated and guided to apply for research grants, sponsorships and various other Government schemes from University, AICTE etc. from time to time.
- Faculties are encouraged to attend National and International symposia and conferences and present their research findings. The Institution motivates the faculty to take up research work individually or in collaboration.
- Significant weight age is given to all these activities in the performance appraisal of every faculty member.

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 is continuously taking efforts throughout the year to enhance the curriculum delivery quality. In the past few years the Institute has taken a number of initiatives in this direction, which are enumerated as follows.

i. Effective Practices:

- The quality objectives and goals are prepared by every department. These are communicated to all staff and students of the department. The action plan to achieve these objectives is prepared and implemented upon.
- The Institute prepares the academic calendar for various activities. The academic monitoring committee monitors these activities and takes corrective actions and preventive measures for achievement of quality objectives and goals.
- The college identifies the training needs of the faculty and supporting staff. Accordingly either the faculty is trained or faculty is identified as an expert in a particular area.
- Theory and Practical content analysis are prepared for every course and execution of course delivery is monitored for continuous improvement.
- The In-semester progress of students in theory class is evaluated by conducting tests and tutorials periodically and corrective action is taken accordingly.
- Remedial lectures are also conducted for slow learners.
- The evaluation of laboratory assignments is done on a continuous basis.
- The teaching process is reviewed weekly and specific and general problems are discussed in the departmental meetings.
- The Institute has introduced the concept of Counseling. In this, 15-20 students are assigned to a faculty known as counselor or mentor. The mentor monitors the progress of the students and helps to resolve student's personal and other problems thus helping them for overall development.
- The library timings are 8.00 am to 6.00 pm on working days including Saturdays.
- The Language laboratory in the Institute promotes the use of computer applications for teaching various elements of the English language**.**
- Modern teaching aids like LCD Projectors, Webinars, NPTEL videos and software for preparing presentations are used for effective teaching learning process.
- Curriculum delivery is also enhanced by organizing seminars, workshops, guest lectures, interdisciplinary and interdepartmental programs.

- Students are encouraged to go for industrial training in the vacation period.
- Holistic development of students: - The NSS wing of the college engages the students in community development activities which motivate the students for Social Service. The college NSS team regularly visits nearby areas and villages where people are made aware about various social, moral and ethical issues.

1.1.5. How does the institution network and interact with beneficiaries such as industry, research bodies and the University in effective operationalization of the curriculum?

The institute has become a member of Confederation of Indian Industry (CII) and Mahratta Chamber of Commerce, Industries & Agriculture (MCCIA.) with the objective to bridge the gap between institutional theoretical approach and industries' practical approach. Under this interaction, several workshops in prominent industries like Vishay Components Pvt. Ltd., several seminars and expert lectures have been arranged for students and staff. Few of the eminent personalities with whom the institute networks and interacts are as follows:

Sr.No.	Department	Name of eminent visitor	Designation	Company/Organization
1	Electrical	Dr. D J Doke	Ex-Dean	University of Pune.
2		Dr. J. G Ghodekar	Ex Principal	GCOE , Karad
3		Dr. Ravindra Utgikar	Head	Global Business Development
4		Dr. S.E Talole	Professor	DIAT , Pune
5		Dr. S. R. Kurode	Professor	GCOE , Pune
6		Dr. Vrunda Joshi	Member BOS-Electrical	SPPU, Pune.
7		Mrs. Bhagyashri Sarangpani	MD	Bhasha Technologies
8		Mr. Ajay Deshmukh	Marketing Manager	Honeywell Automation
9		Mr. Rajesh Nikam	Managing Director	Applicon Systems Pvt Ltd
10		Dr. P.K Katti	Professor	B.A Tech University , Lonere
11		Dr. R.C Prasad	Professor	CME , Pune
12		Dr. A.M	Professor	IIT , Powai

		Kulkarni		
13		Dr. S.S Inamdar	Principal	SIT Lonawala
14		Dr. Ajay Deshmukh	Principal	DACOE , Karad
15		Dr.P.M joshi	Assoc.Prof.	GCOE , Karad
16		Dr. P.K Brahmankar	HOD	BATU, Lonere
17		Mr. H.V. Joshi	MD	VISTAR Electronics Pvt. Ltd.
18		Mr. V. W. Bagul	Head BD Maharashtra	Winwind SATARA
19		Mrs. Sayali Joshi	CEO	Shrishti Eco-Research Institute (SERI), Pune
20		Dr. S. G. Kahalekar	Professor	SGGS IET , Nanded
21		Mr.Sachin Rasane	Quality and Automation specialists	EPC Project and Design solutions
22		Mrs. Sheela Dhariya	CEO	Anant Enterprises, Pune,
23		Mr.Chetan Jichkar	CEO	GYRO Automation Services
24	Instrumentation	Mr. Mandar Sinnarkar	Quality Manager & Representer of India in IEC-TC40,IEC-TC91 & IEC-TC49	Vishay Components, Pune
25		Mrs.Mansi Bidkar	Director and Founder	Melex control gears Pvt/Ltd
26		Mr.Satish Jadhav	Director	BIOKIT, Pune
27		Mr.Vishwas Kale	MD	Vijayesh Instrumentation Ltd
28		Mr.Dinesh N. Mandore	DGM	Bosch Chassis Systems India Ltd., Chakan, Pune
29		Mr.S.M.Rabade,	Director	SM Engineers, Pune
30		Dr. P.B. Butler	Executive	The University of

			Vice President	Iowa, USA
31		Mr.Jitendrakum ar Kataria	MD	BeckOff Automation,Pune
32		Mr.Ramani Iyer	MD	Forbes Marshall, Pune
33		Mr.K.V.Rehani	President	ISA Pune section
34		Dr.Vinod Kumar	Professor	IIT, Kharagpur
35		Dr. Ramesh Garg	Professor	IIT, Kharagpur
36	E & TC.	Dr.Atul Dadhe	Secretary	ICME Trust
37		Mr.Santosh Lalwani	Director	Vikram Electroplast
38		Dr. K. V. Reddy	Chairman	IETE- Mumbai
39		Dr. Bharat Chaudhari	Principal	IIIT Pune
40		Mr. Jitendra Date	Director	ARJ Asia, Pune
41		Dr. Aditya Abhyankar	Director	Department of Technology- SPPU
42		Dr. Anantha Krishnan	Professor	Pune university (IUCAA)
43		Dr. Renu Batra	Joint secretary	UGC, New Delhi
44		Dr.Vijay Gokhale	Technical Director	Pi-Tech Solution,Pune
45	Electronics	Dr. Neil Hart	Professor	Stafford Shire University, UK
46		Dr. Nilima Iyer	Scientist	NCL, Pune
47		Dr. K. Samudravijay	Scientist	Tata Institute of Fundamental Research, Mumbai
48		Dr. Kishore Kumar	Professor	NIT, Warangal
49		Dr. Laxminarayanan	Professor	Osmania University, Hyderabad
50		Dr. R. S. Holambe	Professor	SGGS IE&T, Nanded
51		Dr. K. Shridhar	Professor	BEC, Bagalkot, Karnataka

52	Information Technology	Abhishek Datta	Relationship Manager,	India Region, Birmingham City University
53		Prashant Suryawanshi	HR Manager,	Zensar Technology
54		Mrs. Sayali Joshi	Laboratory Head,	Aavanira Biotech Pvt. Ltd. Pune and CEO- Shrishti Eco- Research Institute (SERI), Pune
55		Omprakash Barure	Director	Bagyashree instrumentation trainers consultancy, Pune
56		Dr. S. R. Gengaje	HOD & Professor,	Walchand Institute of Technology, Solapur
57		Dr. V. S. Bandal	Associate Professor,	Govt. COEP, Pune
58		Mr. John Rowe	Director	London School of Training
59		Mr. Rajdeep Choudhary	Relationship Manager, Training	London School of Training
60		Dr. H. S. Verma	Ag. Dy. Registrar (Acad)	IIT, Powai
61		Dr. Avijit Chatterjee	Professor	IIT,Powai
62		Dr. G. N. Jadhav	Professor	IIT,Powai
63		Mr. S. Gawade	Deputy Commandant	NDRF, Pune
64		Mr. Sanjay Gandhi	CEO,	Jetking , Pune
65		Mr. Khalil Nathnai	General Manager,	Rockwell Automation India Pvt. Ltd
66		Dr. Consolee	Professor	Stafford Shire University, UK

67		Dr. P. B. Butler	Executive Vice President	International Provost The University of Iowa, USA
68		Dr. Gaikwad	BCUD, Director,	Pune University
69		Maj. Gen. Rakesh Nandan SM	Major General	Army Air Defense, HQ-Southern Command
70		Col. Sambhaji Patil (Retd.)	Founder	Trishakti Foundation, Pune
71		Dr. Pandit Shelke	Student Welfare Officer,	Savitribai Phule Pune University (SPPU), Pune
72		Prof. Dr. D. N. Paliwal	Senior Scientist	BARC, Mumbai

The Institute has signed Memorandum of Understandings (MoU) with 17 companies. The list of which is given below:

Sr. No	Name Of the Department	Name and Address Of the Industry
1	Instrumentation Department	ROBOTA Corporation Shop No-12, Wing C-2, Chintamani Complex, Shaniwar Peth, Pune-411030
2		BIOKIT 4033, Bahndup Industrial Estate, Pannalal Compound, L. B. S. Marg, Bhandup (W). Mumbai.
3		BECKHOFF Automation Pvt. Ltd. Suite-4, level -6, Muttha Towers, yerwada, Pune.
4		Chipkin Automation Systems Inc, 3495 Cambie,St, #211, Vancouver, Canada, V5Z4R3
5	Electronics & Telecommunication Department	Eaglet Gateways to Software Solution Ltd, Pune.
6	Electrical Department`	Analogic Automation Pvt. Ltd, Pune.
7		Waveline Industries Wadgaon Sheri, Pune
8		Madhav Capacitors Pvt. Ltd. MIDC, Bhosari, Pune
9		MD Electrical, Pune
10		Applicon System Pvt. Ltd., Pune
11		BHASHA Technologies Pvt. Ltd., Pune

12	T&P`	Zensar Tech Limited Pune
13	Electronics Engineering	ZEAL SERVICES Konark Udyog, Off Karve Road Behind Rescon Factory, Near Satyam Industrial Estate, Erandwane, Pune -411038
14	Information Technology	Microsoft IT Academy L-96, Lajpat Nagar-II, New Delhi- 110024
15		Net Gyani IT Service Damodar Heritage, S. No. 7/6/17/1/1, Cummins College Road, Karve Nagar, Pune-411052
16		Skills Factory 301, DSK Gandharva Hights , Near Rahul Cinema, Agriculture College Chawk, Ganeshkhind Road, Pune-05
17	Computer	Sunbeam Institute of Information Technology, C-DAC ACTS ATC, Plot NO. R/2, Behind Hotel Fulora, Marketyard Road, Gultekadi, Pune-411037, MH, India

Our institute also has MoU with 6 International Universities viz.

1. London School of Training (UK),
2. University of IOWA (USA),
3. IOWA State University (USA),
4. University of Northern IOWA (USA)
5. Stafford Shire University (UK)
6. Technical University of Liberec (Czech Republic)

UKIERI Funding

Four staff members from our institute have visited Staffordshire University, UK, under staff exchange program. The visit was fully funded by UK India Educational Research Initiative (UKIERI). Each staff member was awarded with a grant of around £3000. The staff members visited Staffordshire University, UK and stayed there for 3 weeks. They observed the pedagogy and experienced the UK education style during three weeks stay.

Training & Placement Cell had arranged four **Job fairs** in the last two years and about 2200 students participated. It has also arranged many pool campuses as we have the facility for conducting on line tests. Various reputed companies have

participated in the campus drive and in pool campus. Companies like TCS, Zensar, and Persistent etc. participated in campus drives.

R&D Cell:

We have established a research and development cell in the institute topromote and motivate research culture in the institute.

Professional Societies Activities:

Every department is a member of their discipline specific professional body like Electrical and Electronics department are members of IEEE.

The professional body membership details are as follows:

Department	**Number of Members of**
	ISTE	**IETE**	**CSI**	**IEI**	**ISOI**	**ISA**	**IEEE**	**TOTAL**
Instrumentation	08	01	-	-	07	02	-	
Information Technology	06	-	02	-	-	-	-	
Computer	14	-	01	-	-	-	-	
Electronics	14	01	-	-	-	-	-	
E&TC	17	05	-	-	-	-	-	
Electrical	13	-	-	02	-	-	02	
Engineering Sciences	11	-	-	-	-	-	-	
Total	83	07	03	02	07	02	02	**106**

They organize technical programs and activities such as special lectures, workshops, seminars, symposia, exhibitions etc. for the benefit of student members.

Interaction with University, Research Institutes and Industry:

Eminent Professors from the University such as Dr Babasaheb Ambedkar Technological University (BATU), Dr. Babasaheb Ambedkar Marathwada University (BAMU), Shivaji University, Swami Ramanand Teerth Marathwada University (SRTMU), Bharati Vidyapeeth University, etc; and institutes such as IIT, NCL, etc; are invited for discussions, workshops and professional interactions with the faculty members. Faculty members of the college keep regularly in touch with other Universities to keep themselves updated with the latest trends in their field of study.

The eminent personalities from industries like Tata motors, IBM, Adobe, Quick Heal and Infosys have delivered and shared their experiences for faculty & students.

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.)

The college has earned its reputation as one of the renowned affiliated colleges under the Savitribai Phule Pune University. Most of the senior faculties of our college are serving in the University under various capacities like member of Board of Studies (BOS), paper-setters for UG and PG, moderators, examiners and chairman of UG and PG courses.

The college offers all possible help to the University in its attempts at framing syllabi, and complying with all requirements of the University.

The college displays the spirit of democracy and equality in inviting feedback from all corners. We give utmost importance to student's feedback and our alumni are also involved in the feedback process. Based on all these inputs the faculty suggests the changes as corrective measures to the Board of Studies members to reflect these changes during syllabus revision.

The following are the contribution of various staff members in the different syllabus revision workshops:

Sr No.	Department	Subject ,Year & Semester	Participating Staff Member	Institute Organizing the Workshop	Date of Workshop
1.	Electrical	High Voltage Engineering, BE-Electrical (2012 Course), VIII-Sem	Mrs. S.M.Shaikh	PVG's COET Pune	07/01/2015
2.		Illumination Engineering BE-Electrical (2012 Course), VII-Sem	Mr. S.M.Chaudhari	PVG's COET Pune	07/01/2015
3.		Switchgear & Protection BE-Electrical (2012 Course), VIII-Sem	Mr. S.V.Shelar	PVG's COET Pune	07/01/2015

4		Power Quality BE-Electrical (2012 Course), VII-Sem	Mr. S.V.Shelar	PVG's COET Pune	07/01/2015
5.		Power System Operation and Control BE-Electrical (2012 Course), VII-Sem	Mrs.S.S.Landge	PVG's COET Pune	07/01/2015
6		Digital Control System BE-Electrical (2012 Course), VII-Sem	Mr.P.P.Mahajan	PVG's COET Pune	07/01/2015
7	Electronics & Telecommunication	System Programming and Operating Systems, TE-Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. G. D. Salunke	MMCOE, Pune	12 to 14/06/2014
8		Digital Communication, TE- Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. R. A. Thakre	MES Wadia COE, Pune	12 to 14/06/2014
9		Electromagnetics and Transmission Lines, TE-Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. D. M. Yewale	KJ College Of Engineering and Management Research, Pune	12 to 14/06/2014
10		Micro Controller	Mrs. A. A.	MIT, Pune	12 to

		and Application , TE- Electronics & Telecommunication (2012 Course), VI-Sem	Prabhu		14/06/ 2014
11		System Programming and Operating Systems, TE- Electronics & Telecommunication (2012 Course), VI-Sem	Mr. C. K. Bhange	MMCOE, Pune	12 to 14/06/ 2014
12		Employability Skills in Electronics Design TE- Electronics & Telecommunication (2012 Course), VI-Sem ,	Mrs. M. R. Wanjre	VIIT, Pune	12 to 14/06/ 2014
13		Embedded Processors, TE- Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. V K. Patil	NBN Sinhgad Technical Institute, Pune	11 to 13/01/ 2015
14		Information Theory & Coding techniques, TE- Electronics & Telecommunication(2012 Course), VI-Sem	Mrs. S. V. Lohar	Cummins College of Engineering for Women, Pune	11 to 13/01/ 2015
15		Power Electronics, TE- Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. G. D. Salunke	JSPM's Rajarshi Shahu COE, Pune	11 to 13/01/ 2015

16		Industrial Management, TE-Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. M. K. Das	G. H. Raisoni COEM, Pune	11 to 13/01/2015
17		Antenna and Wave Propagation, TE-Electronics & Telecommunication (2012 Course), VI-Sem	Mrs. P. V. Jannu	Bharati Vidyapeeth's COE, Pune	11 to 13/01/2015
18	Electronics	Advanced Measurement Systems BE-Electronics(2012 Course), VIII Sem	Dr. D. K. Shedge	PICT, Pune	12/03/2015
19		All subjects – New Syllabus BE 2012	Mr. S. B. Dhonde	JSPMs RSCOE, Pune	29/09/2014
20	Information Technology	FDP on Innovation Management"	Mrs. P. P. Mahale Mrs.R Y. Totare Mrs. J. C. Pasalkar	PCCOE, Pune	05/07/2014
21		FDP on Software Laboratory-1 for TE_IT 2012 course	Mrs. P. P. Mahale	MIT,Alandi,Pune	27 & 28/06/2014
22		FDP on Database Management System	Mr. V. S. More Mr. C. N. Aher	RSCOE, Pune	07/07/2014
24		FDP on Software Engineering	Mrs. J. C. Pasalkar	VIIT, Kondhawa, Pune	22 & 23/08/2014

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 hasbeen developed.

All the courses offered in our college are directly under the affiliation of Savitribai Phule Pune University. Any changes / up gradation in the curriculum are solely handled by the University in consultation with members of Board of Studies and suggestions incorporated from affiliated institutions.

In addition to this, the institution strives towards the overall development of students and quality enhancement of learners through various orientation and life skill enrichment Programmes

To improve the employability of the students we invite experts' opinion and get input from industry for the required skill development and based on that we prepare a curriculum for some value added programs for our students.

Refer Table from Criterion 1.2.1 for details

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

The institution analyzes and ensures that the stated objectives of curriculum are achieved in the course by clearly defining Programme Educational Objectives (PEO) and Programme Outcomes (PO) and its effective implementation.These processes are given below:
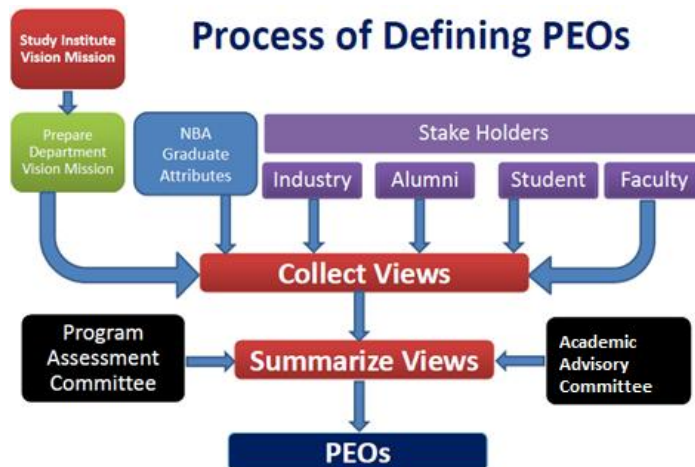
At the outset, Department Advisory Board is formed, which includes representatives from all the stakeholders - industry, professional bodies, alumni, faculty members, parents and students.

Views and opinions are collected from the stakeholders. Considering vision and mission of the institute and department as well as the valuable inputs of academic

advisory committee and program assessment committee, the principal and department faculty members together define and set the PEOs of department.

Program Outcomes (PO) are established through the consultation process with stake holders keeping the department Vision, Mission and Program Educational Objectives in view. The professional society guidelines on curriculum and graduate outcomes are also considered in the detailed establishment process and are depicted in following Figure.

Process of Defining POs
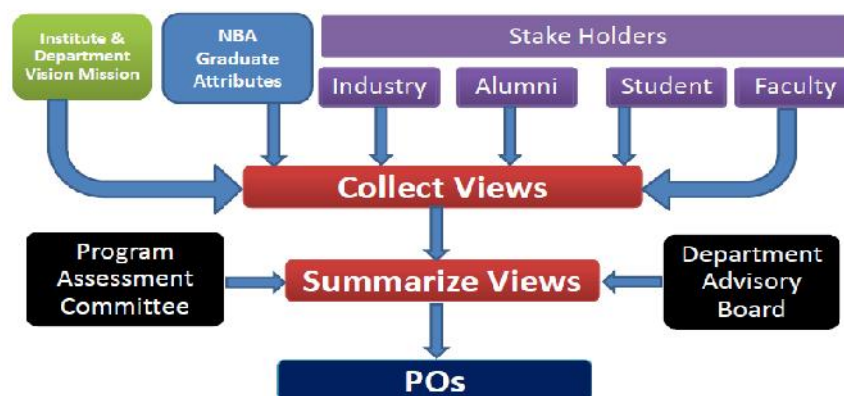
The department has academic advisory committee in place, which includes representatives from all the stakeholders - industry, professional bodies, alumni, faculty members, parents and students. Views and opinions are collected from the stakeholders. Considering vision and mission of the institute and department as well as the valuable inputs of academic advisory committee and program assessment committee, the principal and department faculty members together define and set the POs of department.

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.

Apart from the curriculum being followed from the University we also organize Enrichment courses conducted by eminent personalities from Industry and academics which provides value added education. These courses enhance quality of our students by improving their employability.

Sr. No.	Department	Company Name	Certificate/diploma/ skill development courses	Number of Participants	Resource person
1.	All Department	Seed Infotech Limited.	Employblity Skills Development Course	All branches SE, TE,BE students	Narendra Kulkarni, Praveen Ghote, Jasmine Khan & Fatema Tinwala Trainers
2.	Electrical	Analogic Automation Pvt.Ltd	One week course on PLC and SCADA	50	Omprakash Barure owner and trainer
3.		Prolific Systems Pvt.Ltd	One week Workshop on PLC and SCADA	56	Amol Agarkar-Project Engineer
4.		Neon Infotech	EDSA software training Program	40	Abhishek Jha-Technical Executive
5.		AISSMS IOIT	LaTeX	40	Dr.Vrunda Joshi Dr.S.R.Kurude Dr.S.Talole
6.		Techno mentors Pvt.Ltd., Pune CSIR , Delhi	National Level Workshop on PLC and SCADA 19/10/11-21/10/11	45	Mr. Suresh Panditrao Mrs. Vidula Joshi
7.		Bhasha Technologies Pvt Ltd	Two days Hands on "Basic Freeduino Workshop" - 27/08/2011 to 28/08/2011	50	Bhagyashri Sharangpani & Mandar Sharangpani.

			and One day Hands on "Basic Freeduino Workshop" - 14 Jan 2012		
8.	Information Technology	.NET Training Program	Global Certificate from Microsoft	45	Navin Kaushik, Priya Sadhale
9.	Computer	Feelsoft pvt. Ltd	Skill Development-Advanced JAVA	40	Hemant Kumbhar
10.	E&TC	Eaglet Software and Networking Solutions	Embedded Operating System and Linux Kernal	100	Dr.Vijay Gokhale
11.		Edutech Learning Systems Baroda	Embedded Processors using Arm and Arm Cortex	150	Mr. Chintan Khambhojia Mr. Dwijay Bane
12.		Bosh Technology and Intergrowsis Pune	Electronic Design for Data Acquisition system	120	Mr.Nikhil Gundge,Mr. Satish Pawar.
13.	Electronics	Imind Lounge	"Robotics & Automation"	28	Mr.Ravi Ranjan
14.	Instrumentation	Beckhoff Training Centre, Pune	BAIN TR1020-TwinCAT2 Training: PLC Programming	12	Mr. Ajay Pathak
		GYRO Automation Services, Amravati	Protocol Conversion and System Integration"	16	Chetan Jichkar

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

Being an affiliated Institute there is no provision for such programs in University Process; the institution could not offer programmes that facilitate twinning /dual degree.

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
- **Range of Core/ Elective options offered by the University and those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

Range of Core /Elective options offered by the University and those opted by the college
The Institute follows the curriculum prescribed by the affiliating university. There is elective option available for final year students, where they can opt elective subject of their preference based on multiple options available.
The choice of elective depends on the curriculum based on recent technologies and industry based requirements. The university offers open elective subject which is designed by the departments in consultation with industry experts based on need of industry.
Choice Based Credit System and range of subject options
The Institute follows the curriculum prescribed by the affiliating university. There is no such provision available in affiliating university.
Courses offered in modular form
The Institute follows the curriculum prescribed by the affiliating university. There is no such provision available in affiliating university.
Credit transfer and accumulation facility
The Institute follows the curriculum prescribed by the affiliating university. There is no such provision available in affiliating university.
Lateral and vertical mobility within and across programmes and courses
There is a provision for the first year students to change their branch in second year based on their merit.
There is also a provision for lateral entry of diploma students in the second year.
Enrichment courses

Various enrichment courses mentioned **in criterion 1.2.1** are conducted by the institute for improving the employability skills.

A large number of students opt for higher studies such as M.S, M. Tech. and M.B.A.Various seminars and expert lecture are conducted for preparation of GATE, IES, GRE and TOEFL etc competitive exams. The institute has signed an MOU with training institute for preparation and training of GATE exam.

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 offered by the institute are self–financed programme regulated by the AICTE, Directorate of Technical Education Maharashtra State and Affilating University -Savitribai Phule Pune University.Hence with reference to admission, curriculum, fee structure, teacher qualification, salary the Institute follows the norms of the above regulating bodies.

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 orientation programs that a rerelevant to regional and global employment market.The table below gives an overview of the programmes conducted in the academic year 2014-15.

Sr.No.	Topic	Beneficiary Department	Date
1.	1 day workshop on 'Microwind'	Electronics Engineering	04/09/2014
2.	1 day workshop on 'Proteus'	Electronics Engineering	28/07/2014
3.	1 day workshop on 'Fourier Series & Fourier Transform'	Electronics Engineering	31/07/2014
4.	2 days workshop on "Robotics & Automation"	Electronics Engineering	08 & 09/08/2014
5.	Seminar on "Robotics & Automation"	Electronics Engineering	10/07/2014
6.	1 day workshop on 'Graphs'	Electronics Engineering	22/08/2014
7.	One day workshop on PIC	Electronics Engineering	21/09/2014
8.	Workshop on Entrepreneurship and finance management	Electronics Engineering	23/09/2014

9.	SWOT Analysis by Dr. Anuradha Harkare	Electronics Engineering	10/03/2015
10.	Workshop on Automation by Mr. Rajendra Joshi	Electronics Engineering	09/01/2015
11.	Seminar on PLC & SCADA by Mr. Sachin Kadam	Electronics Engineering	21/01/2015
12.	Workshop for Instrumentation Systems by Mr. Rajendra Joshi	Electronics Engineering	09/01/2015
13.	LaTeX Workshop	Information Technology	19/09/2014
14.	Aptitude & Soft skill	Information Technology	10 to 19/09/14
15.	Linux kernel programming & networking	Information Technology	27/02/2015
16.	8051 interfacing & programming	Information Technology	25/03/2015
17.	Animation Based Development	Information Technology	04/02/2015
18.	Animation	Information Technology	25/03/2015
19.	Workshop on BAIN TR1020-Twin CAT2 Training: PLC Programming at Beckhoff, Pune	Instrumentation Engineering	11 & 12/08/2014
20.	Workshop on "Protocol Conversion and System Integration"	Instrumentation Engineering	25 & 26/03/15
21.	Workshop on SCADA Design	Instrumentation Engineering	10 & 11/03/2015
22.	Workshop on "Application of Google Sketch up software"	Instrumentation Engineering	08/01/2015
23.	"Role of Biomedical Engineer in Industry and Demonstration of Biomedical Equipments"	Instrumentation Engineering	29/01/2015
24.	"Introduction to LabVIEW and Interfacing of Hardware with LabVIEW"	Instrumentation Engineering	04/09/2014
25.	PLC & SCADA workshop	Electrical Engineering	01 to 05/09/2014
26.	Opportunities in Birmingham University in UK	Electrical Engineering	25/09/2014
27.	LATEX	Electrical Engineering	05 to 07/11/2014

28.	Two Days Workshop on Research Methodology	Electrical Engineering	15 & 16/01/2015
29.	Higher studies abroad	Electrical Engineering	16/01/2015
30.	Effective Communication Skills	Electrical Engineering	23/01/2015
31.	Career Guidance	Electrical Engineering	27/02/2015
32.	Emerging Challenges for Technocrates in Digital Signal Processing	E&TC Engineering	02 to 07/06/2014
33.	Embedded Processors	E&TC Engineering	04 & 05/03/2015
34.	Antenna array Design using EM simulation Software	E&TC Engineering	23/03/2015
35.	Two days workshop on introduction to embedded programming	E&TC Engineering	12 & 13/02/2015
36.	Dot net technology	Computer Engineering	11/08/2014
37.	Mongodb and its practical implementation	Computer Engineering	13 & 14/09/2014
38.	Career Opportunities in Microsoft Technology	Computer Engineering	16/07/2014
39.	Forensic Science and cyber Applications	Computer Engineering	10 & 11/07/14
40.	Mathematical Modelling and QT Creator	Computer Engineering	17 & 18/01/2015
41.	Parllel Computing-New Programming Paradigm using Multicore CPU and GPU	Computer Engineering	24/01/2015 & 23/02/2015
42.	Two Days workshop on "Advance hardware and network configuration"	Computer Engineering	07 & 08/02/2015
43.	Workshop on "Hadoop"	Computer Engineering	02/02/2015
44.	Five days workshop on Advanced java	Computer Engineering	14/ 02/ 2015 15/ 03/ 2015
45.	A seminar on "Certifying Your Knowledge "	Computer Engineering	15/ 03/ 2015

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?
 Affiliating University does not have such flexibility.

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?

In line with the institution goals and objectives of providing a comprehensive education to diverse sections of society in engineering, the institute supplements the University's curriculum by conducting following programmes

- Conduction of Value added Courses
- Conduction of workshops and seminars
- Coverage of topics beyond syllabus in theory subjects
- Conduction of experiments beyond syllabus in practical subjects.
- Conduction of long term training in Quantitative, logical and Analytical soft skills
- Conduction of training in computer based tools and technologies
- Conduction of expert lectures
- Conduction of Industrial Visits
- Conduction of remedial classes for slow learners.

All the academic programs of the institute follow the curricula prescribed by University. Adopting the curricula, Institute strives to develop its students into:

- Independent thinking individuals
- Multidimensional ,globally competent professional students
- Lifelong learners
- Contributing members of the society

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?

The Institute adheres to the syllabus designed by affiliating University.During the course of delivery of syllabus content to the students, our faculty enrich it with their own expertise and experience so that the gap between industry and accadmics is bridged and students become employable in this highly competitive world. The training and placement cell of the Institute regularly interacts with the Industries and collects feedback about the demands and expectations of the corporate sector regarding skill set of students. These demands of the Industries are then communicated to the concerned faculties which in turn formulates add

on courses and extra classes which are then conducted to make them more competent in dynamic employment market.

The institute takes ample efforts in enriching and organizing the curriculum to enhance the experiences of the student by empowering them to become employable by supplementing it with various programes as mentioned **in Criterion 1.3.1.**

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?

- The institute has the Student Welfare Organization (SWO) under which various scheme for woman empowerment, environment education and Earn and learn schemes are being implemented.
- The institute has the Grievance Redressal Cell for Women Students and staff to address issues related to gender and human rights.
- The Institute organises various Programmes under the National Service Scheme (NSS) to sensitize students about gender equality, Environmental Education and Human Rights.
- Awareness programs about electrical energy saving are conducted by the students of electrical department.
- For environmental Education and Climate Change the Institute has a rain water harvesting system in the campus. The subjects related to Energy Audit and Management, Environment and Ecology are included as a part of the curriculum of the University. A detailed energy audit of Institute building is regularly conducted by students as part of curriculum.
- To make the students aware about environmental issues poster competitions are organized in first year of engineering.
- The Institute has a friendly campus for differently abled students.
- The Institute has formed an Anti-ragging Committee to ensure a ragging free environment.
- The Institute organizes seminars and conferences where the experts from above mentioned areas are invited to share and deliver their experiences.
- The institute has also taken effort to address issue of ICT by providing desktop computers, high speed internet connectivity, LCD Projectors and LCD Screens for effective 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:
The National Social Service scheme of the Institute engages the students in community development activities which motivate the students to take up the cause of Social Service. The college NSS team regularly visits nearby villages where people are made aware about various social, moral and ethical issues.

Employable and Life Skills:
The Institute takes numerous efforts to improve the employablity and life skills of the students. Institute regularly invites resource persons to conduct lectures, for developing these skills among the students. Students are motivated to participate and various events such as cultural Programmes, competitions, seminars, workshops etc. are organized and this helps them to improve their team building and organizational skills.

Better career options:
The institution has signed MOUs with various companies to conduct different value added certification courses to bridge the gap between education and employment. Students are encouraged to voluntarily enroll for these courses so as to enhance their employability skills. Please refer criterion 1.2.1 for details.

Community Orientation:
The Institute organizes personality development sessions, debate competitions and group discussions under various professional bodies' student chapters. As a part of community orientation the institute NSS team actively visits nearby rural areas and villages where people are made aware about various social, moral and ethical issues.

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

The institution has various channels to collect and document responses on curriculum from the stakeholders. The institution collects feedback from the stakeholders in enriching the curriculum in the following manner:

- Alumni feedback is collected every year during alumni meet
- Feedback is collected about project groups from project examiners appointed by University.
- Feedback is taken from recruiters, when they come for campus recruitments.
- Parents and Employer's feedback are collected from time to time.

The inputs are obtained from the stake holdersregularly and further used for enriching the curriculum that helps to improvise the overall competency of the students for employability.

The feedback responses are presented before Head of the Department for consideration and decisions are taken accordingly.

The Institute has a Student's Council which is another source of feedback for the college authorities. The Council notes areas of concern, if any, from the student's point of view and places them before the Principal for necessary action.

It has been already depicted pictorically **in criterion 1.1.8.**

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

The institution has system in place to monitor and evaluate the quality of various enrichment programmes initiated by it. After every program the participants and the resource persons give their feedback on the form provided by the institute. These feedbacks are then analysed for improving the quality towards enrichment program.

1.4 Feedback System

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

The college has earned its reputation as one of the renowned affiliated colleges under the Savitribai Phule Pune University. Most of the senior faculties of the institute have served in the University under various capacities like member of Board of Studies (BOS), paper-setters for UG and PG, moderators, examiners and chairman of UG and PG papers.

The college offers all possible help to the University in its attempts at framing syllabi, and complying with all requirements of the University.

Following activities were undertaken during development of curriculum for the University

- Online question bank preparation by faculty.
- Participation and Organization of syllabus design workshops.

For details please refer table from criterion 1.1.6

The college displays the spirit of democracy and equality in inviting feedback from all corners. We give utmost importance to student's feedback and our alumni are also involved in the feedback process. Based on all these inputs the faculty suggests the changes as corrective measures to the Board of Studies members to reflect these changes during syllabus revision.

The institution takes part in the curriculum development process through appropriate analysis of feedback given by various stake holders from time to time and assimilates the suggestions in the functional style of the institution.

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 Institute displays the spirit of democracy and equality in inviting feedback from all corners. The Institute gives utmost importance to student's feedback and alumni are also involved in the feedback process.Industry and professional body feedback is obtained yearly from which the adequacy of the curriculum is ascertained.

Based on all these inputs the faculties suggest the changes as corrective measures to the Board of Studies members during the meetings conducted for the syllabus revision by the respective board of studies.

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?

The institute has recognized the need of the national scenario for increasing post graduate and research scholor to cater the needs of the industry and society.With this perspective the institute has introduced the following PG and PhD Programmes courses.

Sr. No	New Programmes /Courses Introduced	Year of Introduction	Intake Capacity
1	ME Electronics (Embedded & VLSI)	2013-14	18
2	ME Electrical (Power Electronics & Drives)	2013-14	18
3	PhD (E&TC)	2014-15	--

Any other relevant information regarding curricular aspects which the college would like to include.

The Institute has taken efforts to interact with foreign universities by means of arranging colloquiums for the purpose of starting certificate/ diploma/ skill development courses and twining programs. The details of the colloquiums organized by the institute along withs its sister institutes under the ambit of AISSM Society is given in following table

Sr. No.	Event	Date
1.	India-UK Education Partnership Forum	23 & 24/04/2012
2.	INDO-US Education Colloquium 2013	5 & 06/02/2013
3.	Indo-German Colloquium on Water Management-2013	25 & 26/07/2013

CRITERION II: TEACHING-LEARNING AND EVALUATION [350]

2.1   Student Enrollment and Profile

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

- The institute follows the admission process as per the guidelines given by Directorate of Technical Education (DTE), Maharashtra State Government. Centralized Admission Process of DTE governs the eligibility criteria for selection of students to first year, direct second year and master of engineering. The Institute follows the quota rules as per the norms for the students in the reserved category and there is total transparency in the procedure. All applications received at the Institute level are processed and filled on merit basis.
- The college ensures publicity and transparency in admission process in following manner:
    a) Prospectus: The Institute prospectus provides all the academic, administrative and fee structure information related to admission process.
    b) College Website: It displays prospectus and information about number of seats, different courses, eligibility for admission, process of admission and academic information on the institutional website.
    c) Advertisement in regional/national newspaper: The notification contains detailed information about number of seats, different courses, eligibility for admission, process of admission and academic information on the institutional website.
    d) Conducting Techfest like Alacrity: It helps in worldwide publicity of the institute. *Alacrity* is one of the biggest National level technical and cultural events organized by AISSMS's IOIT every year in the month of Feb. We get Thousands of participants take part in this event from all over India.
    e) Participation in educational fares: The institute participates in various educational fares to promote the institute for attracting students from all over India.

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 Programmes of the Institution.

- The Institute follows the admission process as per the guidelines given by Director of Technical Education (DTE), Maharashtra State Government.

Centralized Admission Process of DTE governs the eligibility criteria for selection of students to first year, direct second year and Master of engineering.

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 provide a comparison with other colleges of the affiliating University within the city/ district.

The following table shows the minimum and maximum marks of admitted students in CET/ AIEEE score:

Sr. No.	Programme	Year of admission	Minimum marks of admitted students		Maximum marks of admitted students		Minimum marks of students affiliated to college/university within the city/district	Maximum marks of students affiliated to college/university within the city/district
			MH-CET	AIEEE/JEE	MH-CET	AIEEE/JEE	The entry level admissions are only through CAP and are managed by DTE, Government of Maharashtra; hence the comparison of minimum and maximum marks with peer colleges is not available.	
1	Computer Engineering	2014-15	39.3202		81.8975			
		2013-14	55	55	105	101		
		2012-13	52	56	104	77		
		2011-12	58	75	109	79		
2.	Electrical Engineering	2014-15	23.8476		80.2902			
		2013-14	66	63	107	66		
		2012-13	70	63	110	114		
		2011-12	48	65	130	74		
3.	Electronics Engineering	2014-15	20.2768		60.0095			
		2013-14	40	48	93	60		
		2012-13	54	40	98	59		
		2011-12	51	62	103	77		
4	Instrumentation Engineering	2014-15	22.1991		78.1115			
		2013-14	60	46	105	55		
		2012-13	52	54	100	73		
		2011-12	51	47	114	81		

5	Electronics and Telecommu nication Engineering	2014-15	28.1261		78.4985	
		2013-14	45	53	129	76
		2012-13	49	57	119	101
		2011-12	42	80	120	86
6.	Information Technology	2014-15	28.1161		73.2982	
		2013-14	53	55	98	95
		2012-13	62	62	100	112
		2011-12	61	65	120	71

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

Yes there is a mechanism in the institution to review the admission process and student profile annually by conducting a survey among the admitted students.The survey form includes points such as merit of the student, information related to junior college, medium of education, reason for preferring the institute and sources of information regarding institute.

The outcome of this effort is that the institute:

- Knows the quality of the student at the entry level and thus it can groom them accordingly.
- From which geographical region the students are coming so that institute can advertise in the areas from where no or few admissions have taken place.
- The source of information regarding the institute like college website is updated regularly.

2.1.5 Reflecting on the strategies adopted to increase/ improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/ reflect the National commitment to diversity and inclusion SC/ST, OBC, Women,Differentially abled, economically weaker sections, Minority community, Any Other

The Institute follows all the rules and norms laid down by DTE, Government of Maharashtra regarding admission of students in the reservation criteria. It offers seats to SC/ST, OBC, (SC-13%, ST-7%, OBC- 19%, DT-A-3%, NT-B-2.5%, NT-C-3.5%, NT-D-2%, SBC-2%)women, economically weak students (TFWS-Tuition Fee Waiver Scheme) as per the government norms, rules and regulations. There is a special quota for the candidates of Jammu and Kashmir and Northeast India as per DTE norms.

2.1.6   Providing 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.

The following table shows the details for various Programmesoffered by the Institution during the last four years.

UG

Sr.No.	Programme	Year	Number of Applications (X)	Number of Students admitted (Y)	Demand Ratio (Y/X)
1.	Instrumentation Engineering	2014-15	Admission process in the state is governed by Director Technical Education; The Institute follows the rules, regulation & guidelines set by state government body	48	0.8
		2013-14		46	0.77
		2012-13		48	0.8
		2011-12		49	0.82
2.	Computer Engineering	2014-15		64(I) +60(II)	1
		2013-14		50(I)+52(II)	0.83+0.86
		2012-13		57(I)+48(II)	0.95+0.8
		2011-12		63	1.05
3.	Information Technology	2014-15		51	0.85
		2013-14		52	0.86
		2012-13		54	0.9
		2011-12		63	1.05
4.	Electronics	2014-15		43	0.72
		2013-14		51	0.89
		2012-13		47	0.78
		2011-12		56	0.93
5.	E&TC	2014-15		115(I) +37(II)	0.96+0.62
		2013-14		103(I)+34(II)	0.86+0.57
		2012-13		107	0.89
		2011-12		61	1.02
6.	Electrical	2014-15		56	0.93
		2013-14		50	0.83
		2012-13		58	0.97
		2011-12		50	0.83

PG

Sr.No.	Programme	Year	Number of Applications (X)	Number of Students admitted (Y)	Demand Ratio (Y/X)

1.	ME – Embedded System and VLSI Design	2014-15	Admission process in the state is governed by Director TechnicalEducation; The Institute follows the rules, regulation & guidelines set by state government body	16	0.89
		2013-14		17	0.94
2.	ME- Power Electronics and Drives	2014-15		10	0.56
		2013-14		16	0.89

The reasons for the increase or decrease in admissions are as follows:
- Global and National employment scenarios
- Increase in the number of colleges coming up every year and increase in intake for various programmes in Maharashtra
- Trends for post graduate courses.
- State of the art technology in the area

Actions initiated for improvement:
- Providing more placement opportunities and related training activities.
- Conducting Value Added Courses in consultation with Industry.
- Counseling of students
- Advertisements
- Participation in Educational fair
- Mouth publicity
- Alumni interaction.
- Foreign university collaborations.

2.2   Catering to Student Diversity

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

Institute identify the need of differently- able students and provide them following special facilities.
- Seating arrangement in class and Labs

- Priority to Access Elevator
- Special arrangements for university exams
- Wheel chairs
- Ramp
- Additional Library Facilities

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.

- The overall ranking and qualifying marks in the merit list of the student gives an idea about overall knowledge of the student, which is called as entry level analysis.
- Training is provided to students to enhance Soft skills, Group discussion and aptitude test capabilities as well as interview techniques. Special training courses are organized by industry experts and as well as professional trainers to make students compatible with changing industry requirements.
- Institute conducts various seminars and workshops for students to guide them for project work.
- At the start of the course, initial lectures are devoted to conduct orientation of subject and to identify students need and special lectures are conducted to bridge the curriculum gap.

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

- Institute carefully considers the content of syllabus which the student studied till 12th standard. It has the mechanism to identify the gap in the syllabus to understand the engineering curriculum of first year.
- Institute arranges add on & remedial lectures to bridge these gaps.
- Institute has identified the gaps between the university curriculums which are to be bridged to understand the higher level programs of the subjects.
- Institute organizes interdisciplinary paper & project competitions for the student & also deputes/sends students to such competitions.
- Institute also organizes workshops and expert lectures as an add-on series for the subjects which require basic foundations and programming skills.
- Additional practical and Lab hours are provided to bridge the knowledge gap of the enrolled students to enable them to cope up with the program of their choice.

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

- To create awareness of equality in students & staff, Institute provide equal opportunity to male & female staff and students for all the activities & process which include administrative, teaching, co-curricular, extracurricular, sports, deputation to the courses, programs, higher studies, appointments, committees, placements etc.

- Institute has formed a special Women grievance redressal Cell headed by Principal and Female HODs and includes female coordinator from each department. The cell mainly works toward identification and resolution of various issues, problems identified by female students and Staff.

- Apart from grievance cell, suggestion boxes are installed in each department where students and staff can provide their anonymous suggestions/ problems related to various issues.

- Institute has allocated batch counselor for a group of 20 students who is responsible for monitoring academic and co-curricular performance of the students and mentor conducts one to one meetings with students to resolve their academic as well as personal issues.

- Institute organizes events like "ALACRITY" Technical & Cultural Fest, Woman's Day celebration, Shiv Jayanti Celebration and inter department sports competition to promote harmony & inclusion.

- Institute organizes special training programs on value and moral for teaching & non-teaching staff and also organize various special guidance program specifically for female students under special scheme provided by Savitribai Phule Pune University (SPPU) Student Welfare Organization (SWO)

- Institute has code of conduct for staff & students.

- Institute arranges the social activities which include visits to orphanage, visits to special schools of mentally challenged & differently able-d students, cloth donation camps to motivate and promote students and staffs forsocial contributions.

- Institute celebrates Woman's day, Teacher's Day and Engineer's Day and World Environment Day.

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

Institute carries out analysis of University Exam Results for all the departments and each course. Apart from the University results, advance learners are identified based on their performance in internal class tests, assignments, theory and practical.

To cater the special educational/ learning needs of advanced learners all faculty members continuously interact, motivate such students and identify their learning needs.

- Guardian Faculty members and Batch Mentors conduct meetings and interact regularly with student to monitor the academic performance and needs of advance learners.
- Institute motivates advance learner to choose the projects and seminar's which requires research and innovations.
- Institute has a research cell in which students dedicate their time apart from academic schedule to implement their advanced and innovative ideas. Faculties from the research cell actively guide such students.
- Advanced learners are encouraged to attend conferences and publish research papers in Journals.
- Institute's Newsletters, Technical Magazine, and Annual Magazines publish articles of advance learners.
- Apart from this such students are motivated to actively organize and attend various Technical competitions such as Model making, Robotics, Project Design and Coding.
- Institute organizes various workshops and training programs on contents beyond the syllabus to cater the learning need of such students.
  (Note: The data being too large will be made available during the visit)

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)?

Institute carries out University result analysis for the different programs & it gets the information about academic performance of student at the risk of dropout.

- Internal evaluation tests of Institute also help to get the information about students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker students.
- Teacher guardians conducts/ interact regularly with student assigned to them and find out the academic performance of student and probable reasons for the same. He/ she co-relate the result with the categories of the student viz. section of society, physically challenged, slow learners & economically weaker students.
- Institute conducts parent meets and collects the feedback about the drop out of different class of students.

Institute uses the data as follows.

Physically Challenged

- Institute does the counseling of the physically challenged students. It tries to provide the solution to the particular demand of student which includes location, movement and any other special needs.
- Institute counsels about the special facilities and scholarships offered by government and NGOs. Guardian faculty members do such counseling.
- Institute creates the awareness among the students about the employment opportunity and the higher studies.
- Institute tries to find inherent skills in the person & motivates the person to excel in the related areas.

Slow learner

Institute has active academic monitoring committee to identify, monitor and analyze the performance of students. This committee conducts regular academic monitoring of each student to identify slow learners.

- Institute arranges remedial lecturers for slow learners.
- Faculty members repeatedly teach the content as per requirement of slow learners.
- GFM (Guardian Faculty Member) regularly SMS, Phone call and meet parents of such students regarding improvement in the performance of their ward.
- Faculty Member prepares specially designed notes for slow learners to understand the content easily, and conducts lectures.
- Attempts are made by the Faculty Members to teach them individually, extra sessions of practical are conducted to clear the concepts and troubleshoot difficulties.
- Faculty Member guide slow learners for projects, seminar & paper presentation.
- Specially developed question banks and assignments are made available to slow learners.
- Faculty Member conducts re-tests and open book tests for slow learners.

Economically Weaker Section

- Institute implements earn & learn scheme of Savitribai Phule Pune University.
- Institute provides information about government and NGO aids, scholarship etc.

- The Institute has opted Tution Fee Waiver Scheme (TFWS) for such students.
- As per availability the books are donated to such students.
- Faculty members also contribute to provide financial support in terms of one time food to such students.

Disadvantaged sections of society
- SC/ST/OBC/minority students are given benefits of reservations in admission & scholarship as per government norms.
- There is a special book bank scheme for SC/ST students.

2.3   Teaching-Learning Process

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

The processes are as follows:
- Academic year starts in approximately second week of June every year. The University notifies the academic calendar. The Academic calendar of institute is prepared and then HOD along with staff prepares the calendar of the department which is in adherence with the University calendar.
- Each department conducts the meetings of faculty before term end of previous semester and discusses the syllabus of the program and identifies specialized faculty in particular domain and calls the subject preferences from the faculty. Based on this discussion HOD distributes the load. Faculty prepares teaching plan of topics to be covered in upcoming semester as well as course file before the beginning of next semester.
- The faculty prepares course file by referring standard course file index it includes details of Lecture plan, Notes and other study material, previous year University question papers along with solution, assignments, e-learning material etc. Faculty also identifies list of lab experiments need to be conducted.
- The Course file is evaluated by concerned HOD as well as Principal.
- The students are informed about time table, academic calendar and teaching plan well in advance.
- The students and other stake holders feedbacks are collected periodically when teaching is in process and concerned faculty uses the same to meet the requirements.
- Institute conducts Unit Tests and Prelim Exam during the term. The Mock Practical and Orals are also conducted .Students academic performance in

these tests is evaluated and used to identify the extra efforts required to improve results. Continuous assessment is done based on students performance in the above exams, assignments, attendance etc.

- At the end of Term University conducts examination and evaluate the students' performance and offers result for the same.
- At the end of semester, course end survey is collected. Course outcome are evaluated based on survey analysis of course end survey and student's performance in exams.
- Institute organizes co-curricular and extracurricular activities to supplement the curriculum.
- Institute carries out result analysis and gives the information to IQAC and seeks the guidelines from it for further improvement.

Sample: - **Academic Calendar**

Academic Calendar & Students Activity Calendar for the Year 2014 – 15

SEMESTER - I			
Sr. No.	**Details**	**Name of the staff event co-ordinator**	**Proposed Date**
1.	HOD's Meeting	Dr. P. B. Mane	Every Thursday
2.	Departmental Staff Meeting	All HOD's	Every Friday
3.	Shikshan Shulka Proposal	Mr. Bhosale P. N./ Mr. Gaikwad V.M.	01.06.14 to 30.06.14
4.	ISTE & SRM Sponsored one week STTP on "Emerging Challenges for Technocrats in Digital Signal Processing" (Electronics & Telecommunication Dept., Computer Engg. Dept., Information Technology Dept.)	Dr. Bairagi V. K.	02.06.14 to 07.06.14
5.	Commencement of First Term of Academic Year 2014-15	All HOD's	16.06.14
6.	Shri Chhatrapati Shahu Maharaj Jayanti Celebration	Miss Morey D. S.	26.06.14
7.	SE, TE & BE students Admission	Mr. Bhosale P. N.	01.07.14 to 20.07.14

8.	Admission to First Year students	Mr. Bhosale P. N.	01.07.14 to 24.09.14
9.	Book Exhibition	Ms. Hirve P. V.	1st Week of July 14
10.	Academic Attendance Monitoring - I	Mr. Dhonde S. B.	02.07.14
11.	LMC and Governing Body Meeting	Mr. Bhosale P. N.	02.07.14
12.	Medical Camp for Staff (Dept. of Sports)	Miss Morey D. S.	03.07.14
13.	Anti Ragging Squad Committee Meeting	Miss Morey D. S.	08.07.14
14.	Women's Grievance Committee Meeting	Miss Morey D. S.	09.07.14
15.	Academic Attendance Monitoring – II	Mr. Dhonde S. B.	16.07.14
16.	Student Council Committee Meeting	Miss Morey D. S.	18.07.14
17.	Commencement of First Term of ME II Year	All HOD's	22.07.14
18.	Personality Development Workshop for Girls (SWO)	Mrs. Mahale P. P.	22.07.14
19.	Pune city zonal sports start	Miss Morey D. S.	25.07.14
20.	Kargil Vijay Divas celebration	Mr. S. S. Gadadhe	26.07.14
21.	Academic Attendance Monitoring – III	Mr. Dhonde S. B.	30.07.14
22.	Commencement of FE Term & Induction Program	Mr. Mushrif P. G.	07.08.14
23.	Independence Day of India	Miss Morey D. S.	15.08.14
24.	Academic Attendance Monitoring – IV / I (FE)	Mr. Dhonde S. B.	20.08.14
25.	Nirbhay Kanya Abhiyan (SWO)	Mrs. Mahale P. P.	26.08.14
26.	Sports Day – Inter Department Sports	Miss Morey D. S.	29.08.14
27.	Online Examination Phase I (FE)	Mr. Mankar D. S.	01.09.14 to 05.09.14

28.	Teachers' Day	Mr. More A. J. Miss Morey D. S.	05.09.14
29.	Academic Attendance Monitoring – V / II (FE)	Mr. Dhonde S. B.	10.09.14
30.	Engineers Day & Blood Donation camp (Dept. of Sports & General Science)	Miss Morey D. S. Mrs. Patil V. N.	15.09.14
31.	Medical Camp for First Year Students	Miss Morey D. S.	20.09.14
32.	Online Examination Phase I & II For Second Year	SE GFM	22.09.14 to 27.09.14
33.	Remedial Classes	All HOD's	22.09.14 to 30.09.14
34.	Compilation of Term work and assessment	All HOD's	22.09.14 to 30.09.14
35.	Conclusion of Teaching (SE,TE,BE)	All HOD's	30.09.14
36.	Academic Attendance Monitoring – VI / III (FE) Academic Attendance Monitoring - I (FE)	Mr. Dhonde S. B.	01.10.14
37.	Extension of approval & Report submission to UOP	Mr. Bhosale P. N.	01.10.14 to 31.10.14
38.	Announcement for Articles for Magazine from Students & Staff	Mrs. Gadgil K. S.	06.10.14
39.	Online Examination Phase II (FE)	Mr. Mankar D. S.	06.10.14 to 11.10.14
40.	Practical / Oral and Project Examination	All HOD's	06.10.14 to 18.10.14
41.	Vacation for Staff		08.10.14 to 07.11.14
42.	Purchase Meeting	Mr. Kamble V. S.	09.10.14
43.	Academic Attendance Monitoring - IV (FE)	Mr. Dhonde S. B.	15.10.14
44.	Staff Selection Interview	Mr. Bhosale P. N.	1st Week of November 14
45.	Theory Examination	Mrs. Sawant K. R.	28.10.14 to 22.11.14

46.	Academic Attendance Monitoring - V (FE)	Mr. Dhonde S. B.	05.11.14
47.	Conclusion of Teaching ME II Year	All HOD's	12.11.14
48.	Submission of Term work (FE)	All HOD's	17.11.14 to 22.11.14
49.	Conclusion of FE Term	All HOD's	22.11.14
50.	Academic Attendance Monitoring - VI (FE)	Mr. Dhonde S. B.	22.11.14
51.	Winter Vacation for Students		23.11.14 to 14.12.14
52.	Extension of approval & Report submission to AICTE	Mr. Bhosale P. N.	01.12.14 to 31.12.14
SEMESTER - II			
1.	STTP on "Wavelets Filter Banks & its Applications" (Instru. & Control Dept, Electrical Engg. Dept. & Electronics Engg. Dept.)	Mr. Rajgade S. C.	08.12.14 to 12.12.14
2.	NSS Camp	Mr. Gadadhe S. S.	29.12.14 to 05.01.15
3.	Commencement of Second Term of Academic Year 2014-15	All HOD's	15.12.14
4.	Academic Attendance Monitoring – I	Mr. Dhonde S. B.	31.12.14
5.	Anti Ragging Squad Committee Meeting	Miss Morey D. S.	05.01.15
6.	Disaster Management Training Program (SWO)	Mrs. Mahale P. P.	05.01.15 to 06.01.15
7.	Women's Grievance Committee Meeting	Miss Morey D. S.	06.01.15
8.	Commencement of Second Term of ME II Year	All HOD's	12.01.15
9.	Student Council Committee Meeting	Miss Morey D. S.	16.01.15
10.	Inter Dept. Sports Competition	Miss Morey D. S.	Every Saturday & Sunday of January15
11.	Online Examination Phase I (FE)	Mr. Mankar D. S.	19.01.15 to 24.01.15
12.	Online Examination Phase I (SE)	SE GFM	26.01.15 to 31.01.15

13.	Academic Attendance Monitoring – II	Mr. Dhonde S. B.	21.01.15
14.	Republic Day of India	Miss Morey D. S.	26.01.15
15.	"ALACRITY" National Level Techfest /Annual Day	Mr. Itole D. A. Mr. Ranvir K. V. Miss Morey D. S.	02.02.15 to 06.02.15
16.	Academic Attendance Monitoring – III	Mr. Dhonde S. B.	11.02.15
17.	LMC and Governing Body Meeting	Mr. Bhosale P. N.	12.02.15
18.	Shivjayanti Utsav Celebration	Mr. Itole D. A.	19.02.15
19.	Science Day and Blood Donation Camp (Dept. of Sports & General Science)	Mr. Musrif P. G. Miss Morey D. S.	28.02.15
20.	Final Submission of Articles for Magazine	Mrs. Gadgil K. S.	28.02.15
21.	Online Examination Phase II (FE)	Mr. Mankar D. S.	02.03.15 to 07.03.15
22.	Academic Attendance Monitoring – IV	Mr. Dhonde S. B.	04.03.15
23.	Women's Day Celebration	Miss Morey D. S.	06.03.2015
24.	Online Examination Phase II (SE)	SE GFM	09.03.15 to 14.03.15
25.	University of Pune sponsored workshop / Seminar (Co-ordinator will be the staff member of the dept. to which grant will receive from the UOP)	Dr. Bairagi V. K	1st Week of March 15
26.	Academic Attendance Monitoring – V	Mr. Dhonde S. B.	18.03.15
27.	Alumni Meet	Mrs. Patil M. G..	21.03.15

28.	Remedial Classes	All HOD's	30.03.15 to 03.04.15
29.	Compilation of Term work and assessment	All HOD's	30.03.15 to 03.04.15
30.	Farewell to BE Students	All HOD's Mr. Itole D. A.	03.04.15
31.	Academic Attendance Monitoring – VI	Mr. Dhonde S. B.	03.04.15
32.	Conclusion of Teaching	All HOD's	04.04.15
33.	World Health Day Celebration	Miss Morey D. S.	07.04.2015
34.	Practical / Oral and Project Examination	All HOD's	08.04.15 to 25.04.15
35.	Vacation for Staff		14.04.15 to 24.04.15
36.	Conclusion of Teaching ME II Year	All HOD's	18.04.15
37.	Theory Examination	Mrs. Sawant K. R.	05.05.15 to 30.05.15
38.	Summer Vacation for Students		01.06.15 to 14.06.15

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

IQAC (formerly known as Quality Circle) is constituted to ensure continuous improvement mainly in teaching learning processes of institution. IQAC helps the departments to prepare Program Education Objectives (PEOs) and Program Outcome (PO's) based on institute's vision, mission and inputs from all the stakeholders. Staff member define Course outcome of their subject based on POs and PEOs. Course outcome are checked and corrected if required by the departmental IQAC members. IQAC carries out internal inspection at the end of each semester.

IQAC evolve mechanism and procedure for ensuring the following.

- Timely, efficient and effective performance of all academic processes.
- The relevance and quality of academic and research programmes.
- Optimization and integration of modern methods of teaching and learning.
- The credibility of evaluation procedure.
- The adequacy maintenance and proper allocation of academic support units.

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?

Students are the most important stake holder of our Institute. At our Institute, all efforts are being taken to groom them as engineers with value addition.

Following major points highlight the same:

- Tutorials are conducted which include proactive teaching learning methods.
- Multimedia teaching aids like animated videos, demo videos, PPT's are incorporated in the day-to-day teaching process to enhance the students understanding of the subject.
- Guest lectures by experts from the industry and add-on courses are organized by the respective departments, to cover content beyond syllabus.
- A Language laboratory has been developed for students to improve their English proficiency.
- Soft skills training slots are incorporated in the weekly timetable, where experts guide the students regarding presentation and communication skills.
- Inter-collegiate events are organized to harness the potential of the students.
- Industrial visits and technical courses are arranged throughout the year to give hands-on experience to students.
- Internet and Wi-Fi facility is available in the campus to allow students to access technical resources.
- The college central library is well equipped with technical magazines, journals and NPTEL lecture videos.
- Memorandum of Understanding (MoU) is signed with leading industries to bridge the gap in the curriculum.
- Technical club is formed in the institute with the objective to encourage students of various disciplines to come on a common platform to nurture technical hobbies and skills.
- The institute has taken initiative to form small group of students to encourage peer learning.
- The institute has formulated the concept of "50-10 teaching module" in which the teachers delivers the course contents for 50 minutes and 10 minutes are reserved for student to present the summary of the

previous/current lecture contents. This unique teaching module boosts student's self-confidence, presentation skills and clarity about content.

- Professional bodies and Student's association activities are conducted to encourage interactive learning, collaborative learning and independent learning among the students.

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?

- Our institute nurture students to encourage critical thinking, creativity and lifelong learning by motivating them to choose projects which are research oriented.
- Students are encouraged and guided to undertake industry sponsored projects to make them aware of current technologies and solutions to real life problems.
- Entrepreneurship skill development activities are organized in the college to encourage budding entrepreneurs.
- The Institute organizes intra and inter-collegiate technical events in respective departments, under various students associations. Events like project competition, paper presentation, robotics, design and programming competition improve critical thinking .Students are motivated to participate in national level inter-collegiate technical events.
- To nurture critical thinking various assignments and case studies are given to the students.
- Every week one Library hour is allocated in the time table of each class to encourage self learning and life-long learning skills in students.
- Study circles are formed for preparation of competitive exams which improves critical thinking in students.
- Students of Final Year are motivated to publish research paper based on their final year project in various international or national conferences, and reputed research journals to nurture their critical thinking, creativity and scientific temper.

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

The Institute has made available teaching and learning aids for its faculty. The following resources are made available for effective teaching:

- Faculty members make use of development and simulation software like Labview, Multisim, MATLAB, Xilinx, ModelSim, Microwind, Proteus, NS3, Umberlo, Mongo DB, CUDA, java, Python, Android, Oracle, Open-MP, Auto-CAD, EDSA, PSCAD, Gauss View etc to explain subject concepts. Software's for preparing power point presentations (MS Office) and Software like LaTex, TexLive are used for technical paper writing.
- Reference books of reputed authors and publications are available in central and departmental library.
- Multimedia teaching aids like projectors are used in each classroom.
- Access to transactions and journals (e-copy) like IEEE, ACM digital library, ASTM, Springer is available.
- NPTEL video lectures are used to make subject easy to understand.
- Systems with high end hardware configuration like multicore CPUs, High end measuring and calibration equipments are installed in Laboratories.
- Animations and video clips are used to demonstrate concepts.
- Wi-Fi and Internet access is provided to all computers in the institute to encourage E-learning.
- Study Material and resources are shared with students using File Transfer Protocol (FTP) and internet.
- Expert Lectures and Workshops on Computer Programming and Android Mobiles are conducted to make interdisciplinary students computer proficient.
- Online Mock exams are conducted by the faculties using the e-learning portals.

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

Student:

- The Institute organizes various technical competitions such as paper presentations, project competitions, Quizzes and poster competitions.
- The faculty encourages students to undertake projects on advanced technologies, industry sponsored projects and Research & Development projects.
- The Institute promotes students to participate in National/International competitions by providing all technical and financial support.

- Eminent speakers are invited from the industry to deliver lectures so as to expose the students to state of art knowledge.
- Professional body memberships like ISTE, ISOI, IEEE, IEI, ISA, IETE, ISTE and CSI are opted by the students.

Faculty:
- The Institute promotes the faculty to participate in different technical conferences/ workshops at State, National and International levels.
- The Institute provides faculty the latest available technical information through memberships of reputed journals like IEEE, IEEMA etc.
- The Institute organizes faculty development Programmes by Eminent personalities and in collaboration with well-known organizations.
- Institute deputes its faculty members to attend various workshops on innovative teaching learning processes like Mission 10X organized by Wipro Technologies Pvt. Ltd and NITTTR Bhopal.
- Institute grants financial assistance and on duty leave to staff for attending FDP, STTP and conferences.

2.3.7 Detail (process and the number of students/ benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advise) provided to students?
All the students get academic and personal guidance from the concerned Mentors, Guardian faculty member and Heads of the Department. Following are the various guidance services (professional counseling/ mentoring/ academic advice) provided by the institute.
- FE induction-When new students get admission in First year Engineering course Induction Program is organized to make students aware with Engineering academics and curriculum. Induction program is addressed by Principal where all new students are oriented about institute's infrastructure facilities, teaching learning methodologies, opportunities for participating in co-curricular and extra curricular activities and training and placement.
- The department has student counseling cell, which comprises of faculty members as batch counselors. The batch size is of 20 students.
- The batch counselors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc. Counseling forms are maintained by the mentors, which includes –
  - Personal Information
  - Previous Academic Record
  - Academic Performance

- Competitive Examination Details
- Details of Internship and Industrial trainings
- Scholarships/awards received
- Co-Curricular and Extra-Curricular activities.
- Discussions, progress records.

- The mentors meet the students periodically/as and when needed and monitor their performance and activities.
- Psychometric test is conducted at the entry level by the external agency. The SWOT analysis of the students is carried out through this psychometric test and the students are made aware of their strengths and weaknesses. The students are also guided on professional and career advancement.
- Guardian Faculty Member (GFM) do monitoring of attendance and performance of each students' six times in a semester and identifies irregular and academically weak students.GFM conducts one to one meeting with such students and motivate them to improve their performance. The progress and observations are conveyed through telephonic conversation, SMS and personal meetings with parents of such students regularly in order to resolve issues if any.
- Head of the institute and Head of departments also counsel students as and when needed.
- Students are motivated to participate in Earn and learn scheme where students can earn financial benefits.
- Students actively participate in NSS activities such as Blood donation camps, shram daan, Clothes Donation, tree plantation etc. to contribute for social causes.

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?

- The Institute encourages the faculty to use proactive teaching methodologies such as role-play; quiz, brain storming, group discussion.
- To increase active participation of students the "50-10 teaching module" is incorporated. In this module the teacher delivers the course contents for 50 minutes and 10 minutes are reserved for student to present the summary of the previous/current lecture contents. This unique teaching module boosts student's self-confidence, presentation skills and clarity about content.

- Faculty members use Modern teaching aid like LCD projectors, PA system and learning tools like NPTEL lecture series, animations to make lectures more interesting for their students.
- Students are motivated and guided to opt for innovative projects having real life applications.
- Faculty members provide various case studies to the students to improve their problem solving skills.
- To encourage the faculty to adopt new and innovative approaches faculty members are deputed to participate in Mission10X programme organized by Wipro Ltd. and NITTTR to improve their innovative teaching skills.
  - **Impact of such innovative practices on student learning**
    - Improvement in critical thinking, creativity and scientific temper of the students.
    - Improvement in class attendance with active participation of students in classroom teaching.
    - Deep understanding of difficult subjects.
    - Inculcate life-long learning skills.
    - Increase in knowledge retention and grasping power of students.
    - Motivation for self learning.

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

- In order to make optimum utilization of the resources available in the library the institute has made library period mandatory for each class in the time table.
- The library is open for a period of 10 hours daily.
- The library resources are used to enhance the teaching learning process in following ways:
  - The students make use of text books recommended in the syllabus for preparation of their regular course work.
  - The students use reference books to study advance topics of the subject and to solve assignments.
  - Online journals, hard bound journals are used by students for prepration of Seminars, Projects and technical paper writing.
  - The college central library has access to NPTEL videos, educational CDs having lectures of renowned professors which help the students in self learning.
  - The Institute has subscribed membership of British Council Library, ARAI and Jaykar library for referring rare and

        classic books which helps students in gaining in-depth knowledge other than regular curriculum.
- o Institute has subscribed various technical magazines which are referred by student to update their knowledge.
- Along with central library facility every department has its own departmental library. Old project and seminar reports, conference proceedings are available in departmental library which are referred regularly by students of the department for ready reference.

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.

Yes, the institute faces some minor challenges in completing the curriculum within the planned time frame and calendar. These are elaborated as follows:

Challenges:
- Although lesson plans are prepared by faculty as per teaching scheme mentioned in SPPU syllabus, some subjects require more time depending upon the difficulty level of the subject.
- State Government's delayed procedure for First Year and direct second year admissions affects student's academics.
- The change in schedule of mid- term online exams conducted by university affects the planned teaching schedule.
- University provides ninety days in a semester for completion of the syllabus which is just sufficient to complete the syllabus but insufficient to provide in depth knowledge of the subject.
- Co-curricular and extra-curricular activities are also to be conducted in this time span along with regular teaching.

Efforts to overcome challenges:
- Extra lectures are allocated in regular timetable for difficult subject requiring more time to understand.
- Staff members also conduct extra lectures on weekdays/weekends to complete the syllabus as per the requirement.
- For direct second year students extra lectures are conducted to cover the syllabus.
- The institute commences the semester one week ahead of the university's academic calendar to cope with the loss of academics due to co-curricular and extracurricular activities.
- Tutorial classes are conducted for some subjects.

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

The Institute monitors and evaluates the quality of teaching-learning in the following ways:

- The performance of the faculties is measured with the help of the Performance Based Appraisal (PBA) system .The performance based appraisal form includes 25% weightage for the teaching learning abilities of the faculties. PBA system helps in overall improvement of teaching quality.
- Feedback mechanism- is a well-organized system in the Institute. A standard feedback questionnaire based on following metrics is designed by the institute.
  - Subject knowledge,
  - Teaching skill,
  - Punctuality
  - Command on language etc.
- The system of feedback collection is manual. The feedback is collected twice a semester from the students for all the subjects by the concerned Head of Department to maintain secrecy. About ninety percent students participate in the feedback process.
- Online feedback system is available through college website.
- Students can also give feedback through the suggestion box available in each department.
- Verbal feedback is taken by the GFM, HOD and Principal.

Feedback analysis process:
- The feedback is quantified in percentage as per the rubrics developed by the institute.
- All the parameters mentioned in the feedback form are analyzed.
- All the comments written by the students in the feedback forms are communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enhance their teaching skills.

Basis of reward / corrective measures:
- Overall Performance of faculty members based on feedback marking scheme is calculated and it is used for reward/ corrective measures.
- The faculty members having feedback score more than 90% are appreciated.
- Note is given for corrective action to the faculty members having feedback score less than 75%.

Academic Monitoring

- The Institute takes care of monitoring through Academic Monitoring Committee. Regular meetings are conducted along with the committee members, Heads of Departments and the Principal to take necessary action for smooth conduction of teaching learning process.
- Institute organizes unit tests, mock exams and preliminary exams and analyzes its results.
- To monitor and evaluate the quality of teaching learning the faculty members collect course end surveys.

Batch counseling-

- Each department has student counseling cell, which comprises of faculty members as batch counselors. The batch size is of 20 students. The batch counselors help to solve problems of the students in academics, career advancement, campus/hostel, personal issues etc.
- Counseling forms are maintained by the batch counselors, which includes details as **mentioned in Criterion 2.3.7**
- The batch counselors meet the students periodically as and when needed and monitor their performance and activities.

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

Recruitment procedures

The Recruitment is carried out through committee constituted by university. The activities for recruitment are as follows.

1. Collecting Teaching staff requirement from Heads of the Departments.
2. Validation of staff requirement submitted by Head of the department.
3. Seeking management`s approval for appointment of staff as per the requirements and norms.
4. Preparation of roster for recruitment for the approval of University.
5. Securing approval from University for advertising posts.
6. Putting advertisement in leading news papers and Institute's Web site.
7. Demanding selection committee from University.
8. Fixing dates of interview and venue for interviews.
9. Registrar/ office superintendent shall form a committee, in consultation with the principal for smooth conduct of interviews.

(Members One teaching staff from each department, two clerks and one attendant.)

10. The Registrar/ office superintendent shall contact University and other office which provide the list of candidates who have enrolled with them for employment.

11. Keeping a record of received applications from candidates in inward register till the last day for receiving applications.

12. Department wise segregation of applications and handing over to respective departments for eligibility verification.

13. Departments shall arrange for data entry of applications received from eligible candidates.

14. Departments shall forward the soft copy of entered data to Registrar/ office superintendent

15. The Registrar/ Office Superintendent shall append the lists using the list of reserved category candidates received from University and other competent agencies.

16. The Registrar/ Office Superintendent shall arrange for dispatch of call letters for Interviews minimum fifteen days prior to the date of interview.

17. A demo, lecture may be arranged if deemed it.

18. The Registrar/ Office Superintendent shall brief the society, through a letter about the proposed interview schedule and invite the management member to accompany the selection committee.

19. The Registrar/ Office Superintendent shall generate documents required for Interviews, (Requisite number of copies for the use of interview committee members, attendance sheets for candidates appearing for interview.)

20. The interview committee shall make all arrangements for conducting interviews. (Arrangement of furniture in the chosen halls for conducting interviews, seating arrangement for candidates, providing documents to interview committee members, verification of original documents of candidates appearing for interview, maintaining attendance records of candidates, arrangement for transport and arrangements to see off the external members of interview committee, preparation of selection reports duly signed by all the members of selection committee.)

21. The Registrar/ Office Superintendent shall prepare appointment orders based on selection committee`s recommendations and as per the directives of Principal.

22. The candidates selected for appointment shall be informed telephonic and through Email, to contact the Principal to confirm their joining the institute and to know about terms of appointment.
23. The appointment orders shall be delivered to the persons who agree with the terms of their appointment orders.
24. The Registrar/ Office Superintendent shall forward an extract of appointment orders, issued to selected candidates, to the concerned Heads of the Departments.
25. Candidates shall forward their Joining reports through the respective Heads of the departments to the Principal.
26. The Registrar/ Office Superintendent shall instruct the accounts section to include the incumbents name in salary documents.
27. The Registrar/ Office Superintendent shall arrange to provide Identity Card to the incumbent.
28. The Registrar/ Office Superintendent shall forward requisite documents for securing final approval to the appointments made.
29. The documents received from university about the approval, conditional approval or disapproval shall be kept for further records.
30. A copy of this communication from the university shall be given to concerned employees under their acknowledgment.

Recruitment through a committee constituted by Management

The institute follows similar procedure of recruitment mentioned above through a committee constituted by Management if the procedure of recruitment through University selection committee is likely to cause delays in appointment of teaching faculty, or to fill up the vacancies created on account of resignations tendered by existing staff, termination, or death of staff.

Procedure for dealing with vacancies which persist even after completing the recruitment procedure

1. With reference to the information, received about new appointments, the Heads of the Departments shall inform to the principal about non reporting of candidates on expected date of joining, agreed by the candidate who have been offered appointment.
2. The Principal, after consultation with management shall arrange for substitute appointments, preferably through the waiting list, if available.

Retention

Retention strategies: The Institute has always adopted a policy that has aimed at retaining best of its teachers. Following are some of the prominent measures it has taken in this direction:

- **Pay Scale:** Institute pays salaries as per the AICTE and Government. of Maharashtra norms which are revised time to time. Additional benefits

like provident funds, gratuity, earned leaves, casual leaves, medical leaves and vacations are given to the staff.

- **Promotional Policies:** The institute also promotes the staff under Career Advancement Scheme (CAS).
- **Sponsorship:** Aspiring staff members are given sponsorship for higher studies and participation in various quality improvement programs.
- **Award system:** Staff members are appreciated and rewarded for their performance.
- **Establishment of Research Cell:** In order to inculcate research culture amongst teachers to upgrade their knowledge and technical skills, the Institute has established a Research and Development Cell. This cell has encouraged faculty not only to do doctoral research but also to be a research guide themselves.
- **Consultancy and Training:** The staff members are provided opportunities to use and update their technical knowledge through consultancy .Monetary benefits are also shared with concerned staff members.
- **International Exposure:** Staff members are given opportunities to attend international staff exchange programs
- **Work culture:** The Institute makes it a point to maintain an academic atmosphere in the campus. The staff finds conducive environment to work in harmony.

All the above measures help the Institute to retain its competent and qualified teachers.
Following table gives the details of recruited teachers.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanentteachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	01	00	04	00	01	01	07
M.Phil.	-	-	-	-	-	-	00
PG	-	-	-	-	28	38	66
Temporaryteachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	15	39	54

Part-timeteachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

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

The institute copes with the growing demand/ scarcity of qualified senior faculty to teach new Programmes/ modern areas (emerging areas) of study being introduced (IT, Robotics) in the following manner.

- The Institute has qualified senior faculty to handle new and emerging subjects introduced in the curriculum of University. In order to cope with the growing demand/ scarcity of qualified senior faculty, the institute is taking adequate measures as mentioned in 2.4.1 to retain them.
- The Institute motivates and facilitates its senior staff to interact with the industry to update themselves with state of art and emerging areas in the field of engineering.
- The Institute arranges faculty development programmes to upgrade the skills of faculties as per the need of the curriculum.
- Institute deputes faculty members to attend workshops, STTPs and FDPs of emerging areas conducted by reputed organizations.
- The institute provides financial assistance and on duty leaves to faculty members for attending skill up- gradation courses or workshops.
- The institute also grants study leave to faculty members for completing their research work.

The details on the efforts made by the institution in this direction and the outcome during the last one year (The data being too large, only data of academic year 2014-15 is given instead of last three years).

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

a) Nomination to staff development programmes

Sr.No	Staff Development Programmes	Number of faculty Nominated
1.	Refresher courses (only syllabii related e.g. revision)	27
2.	HRD programmes (admin/. Soft skills/ management)	02
3.	Orientation programmes (staff induction)	04
4.	Staff training conducted by the university	21
5.	Staff training conducted by other institutions	476
6.	Summer / winter schools, workshops, etc.	195

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

The Management has positive attitude towards the professional development of the faculty in acquiring knowledge of recent developments and engaging them in research activities. The following are some of the highlights:

✓ **Teaching Learning methods/approaches**

The Institute conducts and deputes its faculty for workshop on proactive teaching learning methods to sharpen their skills through courses like Wipro Mission 10X and NITTR Bhopal.

✓ **Handling New Curriculum**

The Institute organizes and deputes its faculty members for syllabus orientation workshops to get trained and acquaint themselves with new syllabus.

✓ **Content/Knowledge Management**

The faculty members are oriented to make use of modern teaching aids for presentations and NPTEL video lectures. The faculty members are also trained to access e-resources in the form of journal and reference books available in the college library.

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

The Institute has a well-equipped library with access to e-journals subscribed annually and the librarian trains the faculty to make use of these e-journals. The internet facility with high bandwidth is provided in the laboratories and the staff rooms and the staff are trained and given access to use the free e-learning materials like NPTEL videos, webinars etc.

✓ **Assessment**

The faculty members are trained to carry out SWOT analysis of first year students using the psychometric tests. A link is provided on Institute's website for the first year and second year students to access their knowledge in respective subjects by undertaking online practice examinations. The faculty members are provided the training to use this online exam portal and upload their own test questions. The

faculty members are also trained to conduct the student's aptitude test by using the online mode of examinations.

✓   **Cross cutting issues**

To address the cross cutting issues for improving the teaching–learning process the institute organizes training programs for its faculties in the areas like Six Sigma, patents, technical writing and accreditation process.

✓   **Audio Visual Aids/ multimedia**

All the classrooms in the Institute are equipped with LCD projectors for effective teaching learning process and the faculty members are trained to use NPTEL and other videos available on the internet.

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

The Faculty members are trained to access the learning material for preparing presentations available on internet which helps them to refer to latest developments in technology. Besides using the central library learning resources the Faculty members are made aware about membership of libraries like British Council, ARAI and JAYKAR library to develop their teaching-learning material.

c) Percentage of faculty

∗   **Invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies**

∗   **participated in external Workshops/ Seminars/ Conferences recognized by national/ international professional bodies**

∗   **presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies**

Details	Number of Faculties			
	2011-12	2012-13	2013-14	2014-15
Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	0	0	13	09
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	10	15	17	17
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	38	14	40	40

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

The following policies/systems are in place to recharge teachers of the institute:
The Institute:

- Provides grants to the teachers for guiding in house students's projects which involves research elements.
- Provides Sponsorship to staff members for publishing their work in conferences.
- Provides On-Duty leaves for attending FDPs, Workshops and STTPs.
- Provides Sponsorship to staff members for pursuing higher studies and also grant them study leaves.
- Organizes STTPs, FDPs and workshops for staff members.
- Has policy of sharing the monetary benefits earned from testing and consultancy with its staff members.

Other than the above mentioned policies and systems to recharge the teachers, the institute also organizes events like Yogasana, Pranayam, naturopathy, stress management workshops; inter department sports activity, kavi sammelan, NSS camps, social visits and participation in annual social gathering.

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.

Below is the list of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years.

- Dr. Vinayak Bairagi received Institute of Engineers (India) Young Engineer Award in E&TC in the year 2014-15.
- Dr. A. D. Rahulkar awarded Gunawant Adhyapak Puraskar of University of Pune for the year 2013-14
- Dr. Vinayak Bairagi received Maniratna Shikshk Gaurav Puraskar 2013
- Mrs. D. U. Shinde received Gunvanta Shikshak Puraskar for contribution in Intrumentation department during 2010-11
- Mrs. D. S. Zingade received Best Student Chapter for Computer and IT Department Year 2013-14, 2014-15
- Mrs. Saba Shaikh - received Cambridge International Certificate for Teachers and Trainers in innovative teaching in the year 2010-11

- Mrs. Neha S. Patil received Best paper award in C-PGCon organized by Board of Studies University of Pune 2013-14
- Mr. R. A. Jamadar received International Train the Trainer certification from Pebble Hill University in the year 2014.
- Mrs. Geeta Salunkhe received "Maharashtra Gunijan ratnguarav puraskar" in the year 2014.
- Mrs. M. P. Sardey received best IETE students' chapter award in year 2010-11, 2011-12 and 2012-13

Every year institute gives Best Teacher, Best Department, Best Class awards for outstanding achievements of staff member. Institute also gives appreciation to faculties for their achievements and follows performance based appraisal scheme.

SYSTEM OF REWARDS
1. Best Teacher
2. Best Guardian Faculty Members (GFM)
3. Best Class
4. Best Department
5. Best HOD
6. 100% University Result
7. Best class III ,Class IV employees

The institute's policies for retention, promotion and motivation encourage staff members to compete for awards at various levels. Also the Institute maintains healthy competitive work culture and a good academic atmosphere in the campus. The staff finds conducive environment to work in harmony.

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?

The Institute has a well defined central feedback system for the evaluation of faculty on the basis of class interaction, punctuality and delivery of course content for each semester. The self-appraisal forms are filled by respective faculty, and verified by higher authorities.
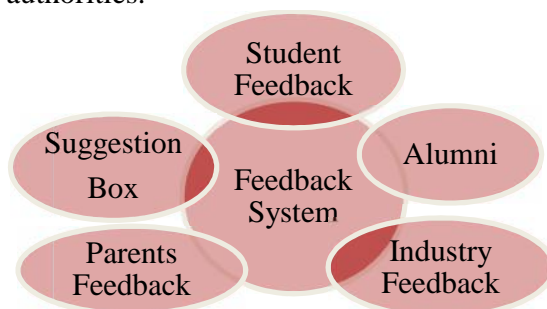
The feedback is quantified in percentage as per the rubrics developed by the institute.
- All the parameters mentioned in the feedback form are analyzed.
- All the comments given in the feedback forms are communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enhance their teaching skills.

Following measures are taken for improving the quality of the teaching-learning process:
- Overall Performance of faculty members based on feedback marking scheme is calculated and it is used for reward / corrective measures.
- The faculty members having good feedback are appreciated.
- In case of unsatisfactory feedback the faculty members are notified for taking corrective measures.

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?

The Institute is liable to the stakeholders- students, faculty, parents, alumni and the society. The evaluation processes are brought to the notice of the students and faculty through the followings:
- The Institute notifies the students regarding schedule and structure of internal and university's evaluation system through the Institute's notice board and website.
- Students are notified about the criteria for evaluation of term work at the commencement of the each term.
- The institute makes the faculty aware about the evaluation process through notices and by conducting meetings with them.
- The institute evaluates all the faculty members on the basis of student's feedback and Performance Based Appraisals.

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?

The institute follows all the evaluation reforms as prescribed by the University. In addition, the Institute has introduced measures on its own.
Following are the major evaluation reforms introduced by the University.
- **College Examination Officer (CEO) -** As per University directives, the Institute has appointed a senior and experienced faculty member as College Examination Officer (CEO). The Examination Committee is

headed by Principal, assisted by CEO and senior faculty members from each department.

- **In-Sem Examination-** University has introduced the model of In-semester examination for Third year (TE), Final Year (BE) and Master of Engineering (ME) courses.
- **Computerization-** University has introduced online examination for evaluation of First and Second year engineering courses. The Institute conducts online examinations of the University every semester.
- **Credit system-** As per the University guidelines credit system has been introduced for the PG Programmes.

The reforms initiated by the Institute are

As a regular practice institute conducts unit test examination, mock practical/ oral examinations, first year prelims, conduction of mock online examinations. To support the above reforms, the institute appoints examiners for the conduction of various practice examinations.

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?

University evaluation Reforms:

The Institute has taken following measures for the effective implementation of the evaluation reforms introduced by the University:

- The Institute has appointed CEO and exam coordinators from each department for smooth conduction of the examination.
- The examination committee meets periodically to discuss all the examination related matters.
- For smooth conduction of University theory examination, an internal squad comprising of senior faculty members is appointed.

Institute Evaluation Reforms:

The institute has exam coordinator from each department for smooth conduction of the examination. The results of internal evaluation are declared within eight days. The students can see their respective papers and discuss the same with the concerned faculty. For practice sessions of online exams institute uses the free softwares where students can appear for mock online examinations scheduled by the respective teachers.

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

Formative Evaluation process:

The formative evaluation process is used to make the teaching-learning process more effective. Formative evaluation is carried out through following activities.

- Assignments
- Mini projects/Projects
- Technical events like quiz, paper presentation, project exhibition.
- Student's attendance monitoring
- Interactive classroom teaching
- Industrial and inplant training reports
- Psychometric tests
- Aptitude and soft skills tests
- Mock on-line and practical/oral examinations
- Mid semester tests
- Online Examinations and In-Sem examination.

Summative Evaluation process:

The main objective of summative evaluation is to evaluate student's performance at the end of semester. Formative evaluation helps students to gain confidence which will help them to achieve good academic results in summative evaluation. The Institute facilitates the University to conduct summative evaluation at the end of each semester through the following:

- Written theory examination
- Practical/ Oral examination
- Project work

The names of toppers of every year are displayed on the notice board and these students are felicitated during the annual gathering which motivates all students to improve their performance.

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 behavioural aspects, independent learning, communication skills etc.

The institute has the policy of having transparency in the internal assessment since its inception; the same is in place for the last four years. The examination pattern, marking scheme and Term work assessment scheme are communicated to the students at the beginning of the semester.

The policy for internal assessment is as follows:

- In the internal assessment, weightage is given to:
  - The attendance in theory class and practical sessions
  - Understanding by the student
  - Presentation skills of the student
  - Timely submissions of journal, write-ups and assignments.

- o   Performance in tests and tutorials.
- o   Independent learning through projects and presentations
- o   Communication skill and oral examinations.
- The unit test answers and marking scheme is discussed by the faculty with the students.
- Final year students fill up self evaluation sheets for their projects.

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?

The Institute has adopted the following graduate attributes specified by the NBA:

1. **Engineering Knowledge:**
   Knowledge of mathematics, science, engineering fundamentals, and an engineering specialisation for the solution of complex engineering problems.

2. **Problem analysis:**
   Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

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

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

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

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

7. **Environment and Sustainability:**

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

8. **Ethics:**

   Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and Team Work:**

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

10. **Communication:**

    Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentation and give and receive clear instruction.

11. **Project management and finance:**

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

12. **Life-long learning:**

    Recognise the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

To attain the above given graduate attributes the institute follows not only the curriculum prescribed by University but also its own reforms. The students are motivated to participate in co-curricular and extra-curricular activities which ensure attainment of the graduate attributes. These activities are planned at the beginning of each semester and mentioned in the academic calendar of each department. Each department has well defined Programme Education Objectives, Programme outcomes, course objectives and course outcomes.

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

The institute has adopted the following mechanisms for redressing the grievances of the students with reference to evaluation both at the college and University level.

Institute level grievance Redressal:

If any grievance is raised by a student, then it is reported to Head of the Department, and it will be solved amicably after discussion with concerned faculty. The concerned faculty discusses the marking scheme and model answers

with the students and helps them to solve their queries. If grievance is not addressable at the department level then the matter is forwarded to the Principal for further action.

University level grievance Redressal:

The institute's Chief examination officer (CEO) and examination section redresses University evaluation grievances. They forward these grievances to the University for redressing them. Under the University evaluation redressal system students can apply for photocopy, verification and revaluation. After revaluation at the University level, results are communicated to the Institute.

2.6   Student performance and Learning Outcomes

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

The institute has clearly defined learning outcomes which are mapped to the programme outcomes of each department. These are further mapped to programme education objectives which are in line with the institute's Vision and Mission. The Programme Educational Objectives (PEO), Programme Outcomes (PO) and Course Outcomes (CO) have been defined by every department.

- The vision and mission statements are displayed on the institute website and at various key positions in the institute building.
- Programme Educational Objectives (PEO) and Programme outcomes (PO) are printed in institute broucher and newsletter and published on the institute's website.
- The Course outcomes (CO) are discussed by faculty with the students for the course conducted by them.

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 Institute has a continuous internal evaluation system which consists of tutorials, mid-term tests, mock practical, mock online exam and oral examination to monitor the student's progress,. These tools are used to find out the progress of the students and to improve academic performance.
- The marks obtained in the internal examinations are communicated to the students.
- Result analysis is prepared by every department after the declaration of University results. This report is compared with the reports of previous

years to monitor the progress of department and take corrective actions whenever necessary.

Result Analysis: Passing Percentage (%)

Programme	Year	2013-14	2013-12	2012-11	2011-10
Instrumentation Engg	S.E.	94.44	77.42	85.14	95.95
	T.E	92.72	97.10	96.34	96.29
	B.E	92.18	98.76	94.23	95.23
Information Techology	S.E.	90.54	84.00	76.25	97.17
	T.E.	79.17	89.86	58.46	100
	B. E.	85.50	98.61	98.11	NA
Computer Engg	S.E.	95.77	88.4	79.16	93.05
	T.E.	86	91.93	89.61	96.10
	B. E.	88.33	83.00	92.40	96.42
Electronics Engg	S.E.(A)	93 %	77%	60%	70%
	SE (B)	90 %	NA	NA	NA
	T.E.	78 %	100%	86%	89%
	B. E.	94 %	97%	90%	NA
Electronics & Telecommunication	S.E.(A)	93 %	77%	60%	70%
	S.E.(B)	90 %	NA	NA	NA
	T.E.(A)	78 %	100%	86%	89%
	B. E.	94 %	97%	90%	NA
Electrical Engg	S. E.	93.42%	84.51%	91.67%	88.24%
	T. E.	89.86%	92.43%	97.26%	95.16%
	B. E.	91.67%	97.37%	95.00%	96.82%

University Rankers 2010-11:

Sr. No.	Branch	Class	Name of the student	Exam No.	% of marks	Rank in University
1.	Electronics	TE	Rajni Shakya	T8253434	67.20	2nd
2.	Electronics	BE	Phatak Aishwarya	B3253429	74.40	2nd
3.	Instrumentation	BE	Mehata Kirti P.	B3254634	78.73	5th
4.	Electrical	SE	Navil Smith	S8252564	73.93%	2nd
5.	Electrical	TE	Tushar Bhagwat	T8252504	72.60%	8th

6.	Electrical	BE	Archana Achhra	B3252502	75.20%	8th
7.	Electrical	BE	Nitin Pawar	B3252543	74.87%	9th
8.	Information Technology	SE	Aruna Panikar	S8258546	74.73%	3rd
9.	Information Technology	SE	Komal Parekh	S8258536	73.66%	5th

University Rankers 2011-12:

Sr. No.	Branch	Class	Name of the student	Exam No.	% of marks	Rank in University
1.	Electrical Engineering	TE	Navil Smith	T8252568	73.47%	6th
2.	Electrical Engineering	SE	Pallavi Jadhav	S8252521	71.47%	7th
3.	Electronics	BE	Afreen Jamadar	B8253417	76.53	1st
4.	Information Technology	TE	Aruna Panicker	T8258549	72.47%	3rd
5.	Instrumentation Engineering	T.E	Chinmay Nawghane	T8254649	72.73%	5th

University Rankers 2012-13:

Sr. No.	Branch	Class	Name of the student	Exam No.	% of marks	Rank in University
1.	Instrumentation	BE	Nawghane Chimnay	B80254650	78.58	1st
2.	Instrumentation	BE	Atul Aaphale	B80254603	76.75	5th
3.	Instrumentation	BE	Chaitali Shinde	B80254669	76.26	7th
4.	Electronics	BE	Shah Rachana	B80253463	72.87	7th
5.	Electronics	TE	Khachane Harshal	T80253417	74.93	1st
6.	Information Technology	SE	Shaikh Shagufta	S80258566	80%	1st

University Rankers 2013-14:

Sr. No.	Branch	Class	Name of the student	Exam No.	% of marks	Rank in university
1.	Electronics	BE	Harshal Khachane	B80253409	79.67	1st
2.	Electronics	BE	Hiralkar Neha	B80253458	73.67	9th
3.	Electronics	TE	Nigave Suraj	T80253468	72.67	1st
4.	Instrumentation	BE	Barkale Jitendra	B80254657	76.8	3rd
5.	Instrumentation	BE	Dixit Siddhart	B80254639	75.73	7th
6.	Information Technology	TE	Shaikh Shagufta	T80258606	73.33	10th

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

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

Teaching Strategies:
- An academic calendar is prepared by all the departments of the institute which is in line with the academic calendar given by the University.
- The academic time tables are prepared in accordance with the university structure, which includes periods for theory and practical. Provision is also made for activity, tutorial, remedial and library periods to meet learning outcomes.
- Every staff member prepares teaching plan that includes contents in curriculum, bridging the curriculum gap, content beyond syllabus, expert lectures, industrial visits, modes of delivery and mapping with Course Outcomes/Programme Outcomes.
- Each department has an administrative system consisting of programme coordinator, domain coordinators, and course coordinators.
- Domain coordinators monitor the course outcomes formation and attainment for the subjects in respective domains.
- The institute facilitates the use of Information and Communication Technology (ICT) for effective delivery of content.
- To meet the intended learning outcomes the institute organizes industrial visits, expert lectures, workshops and seminars.

- Academic monitoring committee takes care of quality teaching, learning and assessment procedures.

Learning Strategies:
- Institute has started Group/Peer learning activity
- Tutorials are conducted regularly in analytical / design subjects.
- Assignments are made compulsory in all the theory subjects.
- Technical quizzes/ group discussions/ class presentations/ paper presentations/ poster competitions are arranged through departmental students associations.
- NPTEL-learning materials and videos are made available in the central library to enhance learning outcomes.

Assessment Strategies:
- **Direct Assessment:**
  o Internal and external examinations for theory and practical.
  o Conduction of online examinations.
  o Project Examinations.
  o Oral Examinations, seminars, tutorials and assignments.
- **Indirect Assessment:**
  o Alumni Feedback
  o Programme Exit Feedback
  o Course End survey
  o Students Feedbacks.

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?

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

1. **Teaching methodologies adopted**
   a. Teaching Plan, Course File and Lab manuals, Defining Course Objectives & their outcomes, Mapping of Course Objectives with Outcomes, Assignments and Tutorials, Arranging Industrial visits, Expert lectures, workshops and seminars
2. **Innovative Teaching Methods**
   a. " Learning by experiencing"
   b. Brain storming, role play, game play, debate and many more.
3. **Self learning process**
   a. Library and Activity Period in the time table schedule, Project

laboratories beyond the working hours, Internet facility access after working hours, online E-journal, Participation in paper presentation, project exhibition, programming competitions, Wall Magazine-Display of expressions of students, Peer group study and presentations in the class.

4. **Learning beyond syllabus**
    a. Industrial visits, In-plant Training , Mini projects, Application Development, Workshops

5. **Technical Clubs**
   The institute has started Technical club to provide a platform for peer learning. Following is the list of Technical clubs.
   - TRRIAC (TEAM FOR RESEARCH IN ROBOTICS INSTRUMENTATION AND CONTROL)
   - ELIXIR Club (Robotics Study Circle)
   - REC (Renewable Energy Club)
   - ARDUINO (Microcontroller)CLUB
   - PLC & SCADA Club

6. **Study Circle For Competitive Exam**
   The institute has started the Study Circle to provide a platform to the students who are interested in appearing for exams like UPSC, MPSC, GATE, GRE, and CAT.

7. **Establishment Of Research And Development Cell**
   The R&D policy of the institute is to provide a framework for the development of research culture within the institute, to improve research performance and to achieve high quality outputs.

8. **MOUs With Foreign Institutes and Local Industries**
   The institute has placed emphasis on the cultivation of strong links with foreign institutes and local industries for promotion of various educational and industrial activities by the faculty members and students.

9. **Membership Of Professional Bodies**
   The institute motivates all the students and staff members to become members of the professional bodies given below.
   - IEEE (Institution of Electrical And Electronics Engineers)
   - Student Forum of Institute of Electronics and Telecommunication Engineers (IETE)
   - Instrument Society of India (ISOI)
   - Computer Society of India (CSI)
   - The Indian Society For Technical Education (ISTE)
   - Student Chapter of Institution of Engineers- IE(I)
   - International Society of Automation(ISA)

- Indian Profibus , Profinet Association(IPA)
- Astronomical Society of India (ASI)

As members of these professional bodies, students are exposed to the latest technological advancements in each field and there fore it enhances their placement, entrepreneurship and research aptitude.

10. **Extension Activities-Social Responsibilities**

To make the students aware about the social issues the institute organizes many social events.

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?

The institute uses following procedure to collect and analyze the data on student performance and learning outcomes.

Result analysis:

The institute has the system of result analysis in place for internal and university examinations. Every department prepares the result analysis of each subject and overall result.

Below given are the corrective actions for planning and overcoming barriers of student performance:

- Remedial classes are conducted for subjects where percentage of failure is high.
- Special attention is paid to lateral entry students for subjects like Mathematics.

Feedback Analysis:

The institute has the system of collecting feedback for knowing the learning outcomes and uses it for planning and overcoming barriers of learning.

- Faculty feedback is taken twice every semester from students.
- Exit feedback is taken from the outgoing students every year.
- The feedback from the employers is taken during the placements.

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

The Institute uses following measures to monitor and ensure the achievement of learning outcomes:

- Tutorials and assignments.
- Unit Tests and University examinations.
- Continuous assessment of theory and practical subjects.
- Attendance Monitoring of students.
- Conducting remedial classes for poor performing students.

- Student feedback twice in a semester.
- Involvement of students in co-curricular, extra-curricular activities and social activities.
- The departments prepare academic calendars and implement them effectively to achieve learning outcomes.
- Academic monitoring of teaching learning process is carried out and reports are discussed during meetings held with the Principal and HODs.

2.6.7 Does the institution and individual teacher 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.

The Institute uses assessment and evaluation system as an indicator for student's performance. The teacher uses following factors to check fulfillment of objectives:

- Term work marks are calculated based on assessments of marks obtained in tutorials, performance in unit tests, mock practical and attendance percentage.
- General classroom behavior of the students is also kept in mind while evaluating student's performance.
- Online mock examination results help in knowing the performance and efforts can be taken by faculty to improve performance of student undertaken.
- Considering the performance of students, teachers can modify the teaching learning process for the overall development of students and to achieve the Programme Outcomes.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research: Faculty and staff are encouraged to participat in research and related activities by providing the resources and facilities.

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

The Institute has been recognized as research center for the faculty of Electronics & Telecommunication Engineering, since 2014-15 under the affiliation of Savitribai Phule Pune University

Following are the names of recognized guides:

Sr. No.	Names of Guides
1.	Dr. P. B. Mane
2.	Dr. V. K. Bairagi

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.

Institute has established R&D cell which comprises of faculty members from various departments of the institute. This committee oversees the smooth and efficient coordination of research and development activities in the institute, thus fostering overall growth.

Research and Development Cell promotes industrial consultation, extends consultancy and R&D services as per industry needs. The composition of the research committee is as follows

Sr. No.	Name of the Faculty	Position
1	Dr. P. B. Mane	Principal
2	Dr. V. K. Bairagi	Coordinator
3	Mrs. A. D. Shiralkar	Member
4	Dr. Y. P. Patil	Member
5	Mr. Suresh Limkar	Member
6	Mr. A. D. Rahulkar	Member
7	Mr. Kunal Ranvir	Member
8	Mrs. Mrunal Pathak	Member

A few recommendations made by the committee for implementation are as follows:

1. To create research culture and environment among staff and student.
2. To nurture the research talent by constant encouragement and specialized training education in latest societal importance projects.

3. To initiate an intensive research culture in identified selected group of students
4. To provide financial and physical resources through research projects and industrial collaborations
5. To identify young talent with research aptitude and attitude to pursue research as a career
6. To motivate student to form technical clubs and carry out technical events.
7. To develop research center affiliated to Savitribai Phule Pune University for Ph.D.
8. To Motivate faculty &student for participation in research work
9. Conduction of workshop for staff & student on preparation of research, proposals and technical writing.
10. Submitting at least 2 research proposals by each department in an academic Year.

The impact of the above implementations is as follows:

- Increased research activities among the faculty & staff through, Paper publication in International, National Journals. Paper presentations in International, National, state level conferences, seminars, symposiums
- Large number of participation and organization of various conferences, workshops, seminars.
- Encouragement and guidance of students through faculty for participation in various conferences, symposiums, seminars, technical events for paper presentation, model making competitions
- Knowledge sharing
- Submission of proposals and carrying out research and developmental work under various research and financial assistance schemes of funding agencies like AICTE, DST, QIP Savitribai Phule Pune University etc. The institute has received 9 research grants for carrying out research projects.
- Motivation and support to students has resulted in developing innovative projects, concepts, models, and applying for patents
- A Technical Club has been set up (Project/ Model making facility, tool room) with necessary facilities. The students have free access to work in this center during extended hours. Participation of students in prestigious, technical events such as Techfest (organized every year by IIT Mumbai, ROBOCON (MIT, Pune) etc, visits to IMTEX exhibition has increased manifolds. This has resulted in students winning inter collegiate technical competition.
- Development of research facilities to encourage research attitude/ aptitude among faculty.

- Research Center affiliated to Savitribai Phule Pune University and recognized by agencies as place of work for research has been developed.
- Effective utilization of library facilities such as National, International Journals, on-line journals through science direct. Also utilization of library facilities of other associated institutes such as ARAI, MCCIA etc has improved.
- Professional membership of recognized professional bodies like CSI, IEEE, CII, IEI etc. for faculty and students. Students winning prizes in technical events organized under these professional bodies.

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

Any Other

- Certificate to the funding authorities – YES
- Up gradations of existing laboratories in terms of latest technologies – YES.
- Faculties are encouraged to participate as resource persons in various workshops, seminars and conferences – YES.

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

Final year students of undergraduate and post graduate programmes are encouraged to undertake projects having a research potential.

The students are encouraged to participate in different workshops, seminars, national and international conferences to promote research culture.

All departments of the institute organize different technical competitions to create curiosity among the students and to demonstrate their innovative ideas.

Research interest is promoted in the students by motivating and encouraging the students to publish research papers in Journals/ conferences and by presenting technical paper on UG / PG project work.

Faculty members are constantly motivated to acquire knowledge and higher qualifications.

The institute organizes visit to industries and R&D organizations.

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

All departments of institute have specialized active research areas for supporting and guiding student research projects. Research projects in these areas are promoted by sharing and demonstrating different ideas to students.

- Following are active research area.

Department	Research Area
Electrical Engineering	Power Electronics and Drives, Power Systems, Control Systems
Instrumentation Engineering	Signal /Image processing, Process Instrumentation
Computer Engineering	Computer Networks, Data Mining, Machine Intelligence and Applications, Mobile computing,Data ware housing , Web security
Electronics Engineering	VLSI & Embedded Systems, Image & Signal Processing, Power Electronics.
Electronics & Telecommunication Engineering	Signal and Image Processing Embedded Systems and VLSI, Wired and Wireless Communication. Systems and Control.
Information Technology	Networking, Wireless Networking, Database & Big Data, Image Processing, Operating System, Distributed System, Internet Technology, Gesture recognition
Engineering Science	Geometric functions theory, Polymer synthesis for waste water treatment.Micromachining lean manufacturing, Nano-materials, Fuels, Materials Condensed Matters, Astrophysics

- Individual / collaborative Research Project (Grants received) –

Electrical Engineering			
Sr. No.	**Name of Faculty**	**Collaborative/ Individual**	**Name of Research Project**
1	Mrs.A.D.Shiralkar	Individual	Robust Control of

			Electro-hydraulic System
Instrumentation Engineering			
Sr. No.	**Name of Faculty**	**Collaborative/ Individual**	**Name of Research Project**
2	D. U. Shinde	Individual	Optimization of boiler efficiency
3	A.D. Rahulkar	Individual	Implementation of real time IRIS recognition algorithm
4	B. M. Kardile	Individual	Drip rate controller for intravenous infusion of IV
Engineering Sciences			
Sr. No.	**Name of Faculty**	**Collaborative/ Individual**	**Name of Research Project**
5	Y. P. Patil	Individual	Studies on Physiochemical Properties of Ag Nano MFR Composites
6	K. G. Wadikar	Individual	3x 3 matrices
7	P. G. Musrif	Individual	Anomalous Absorption in Cosmic Molecules
Electronics & Telecommunication Engineering			
Sr. No.	**Name of Faculty**	**Collaborative/ Individual**	**Name of Research Project**
8	Varsha Patil	Individual	Efficient Hardware Implementation of Wireless Communication System

| 9 | Varsha Patil | Individual | Interactive Maharashtra Map |

Electronics Engineering

Sr. No.	Name of Faculty	Collaborative/ Individual	Name of Research Project
10	M S Vanjale	Individual	Optimization of dynamic source routing protocol for mobile adhoc network

- Faculties are actively involved in research work. They devote themselves in supporting and guiding student's research projects.

- A good number of research scholars are being successfully guided by our senior faculty members and the details are given below:

Sr. No.	Name of Faculty	Department	Name of research projects
1	Dr. P. B. Mane (Guide)	Electronics and Telecommunication Engineering	Performance analysis of space time block coded multiple input multiple output-MIMO system in different channels
2	Dr. P. B. Mane (Guide)	Electronics and Telecommunication Engineering	Area optimization of invisible digital image watermarking on Reconfigurable platform
3	Dr. P. B. Mane (Guide)	Electronics and Telecommunication Engineering	Rogue access point detection using multi parameter dynamic feature analysis for wireless LAN
4	Dr. P. B. Mane (Guide)	Electronics and Telecommunication Engineering	Radio resource management for heterogeneous wireless network
5	Dr. P. B. Mane	Electronics and	An approach of combining

	(Guide)	Telecommunication Engineering	fingerprint and IRIS Biometric for personal recognition
6	Dr. V. K. Bairagi(Guide)	Electronics and Telecommunication Engineering	Exploration in Code design aspects of OS based embedded system design
7	Mrs.A.D.Shiralkar	Electrical Engineering	Robust Control of Electro-hydraulic System
8	Mrs.K.S.Gadgil	Electrical Engineering	Management of congestion in deregulated power system
9	A.N.Khan	Engineering Science	Critical Analysis configuration
10	D.S.Mankar	Engineering Science	Studies on Residual Stress
11	A.J.More	Engineering Science	Experimental & Numerical Analysis of Steady & Pulsating Multi Jet Nozzle Impingement on Heat Sinks For Electronic Systems Cooling
12	K.R.Darvekar	Engineering Science	Anti T.B. Drug Synthesis
13	A.M.Patil	Engineering Science	Study of geometrical aspects of univalent mappings and its applications to various sub classes
14	S.H.Pawar	Engineering Science	Fuel value reclamation of waste polymers
15	Mrs. S .N. Zaware	Computer Engineering	Data Security
16	Mr. Suresh Limkar	Computer Engineering	Internet of Things

17	Mr. S. .B. Dhonde	Electronics Engineering	Text independent speaker identification system
18	Mrs. M. S. Vanjale	Electronics Engineering	Enhancing energy efficiency of nodes for extending lifetime of mobile and ad hoc networks
19	Mrs. M. P. Sardey	Electronics and Telecommunication Engineering	Content Based Image Retrieval using relevance Feedback
20	H. D. Shinde	Electronics and Telecommunication Engineering	Auditory Speech enhancement for hearing impaired
21	Mr. Pritesh A. Patil	Information Technology	Wireless Sensor Network
22	Mrs. Mrunal K. Pathak	Information Technology	Image Processing
23	Mrs V.V.Kale	Instrumentation and Control	Medical Image Feature Extraction using Separable and Non Separable Filter bank
24	Mrs. A.A.Shinde	Instrumentation and Control	Image Processing
25	Mr. S.C.Rajgade	Instrumentation and Control	Robust Control

- Faculty guiding P.G. students:

Sr. No.	Name of Faculty	Department	No. of research scholars
1	Dr. P. B. Mane	Electronics	06
2	S. B. Dhonde	Electronics	07
3	Dr. D. K. Shedge	Electronics	06

4	M. S. Vanjale	Electronics	04
5	Dr.V. K. Bairagi	E&TC	06
6	Mr. S. V. Shelar	Electrical	05
7	Mr.S.M.Chaudhari	Electrical	05
8	Mrs.A.D.Shiralkar	Electrical	05
9	Mrs.K.S.Gadgil	Electrical	04
10	Mrs.S.S.Landge	Electrical	03
11	Mr.P.P.Mahajan	Electrical	03

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

Name of Activity	Resource Person and details	Date
Electrical Engineering		
Experimentation in Research and Effective Technical Writing	Dr. Ghodekar J. G., Dr. Karandikar, Dr. Udgikar ,Dr. Sutaone M. S.	15 to 16/01/2015
Electronics & Telecommunication Engineering		
Short term training programme on Emerging challenges for technocrats in Digital Signal Processing"	Dr.Vishwas Udpikar, Mr. Ketan Patel, Mr. Chintan Khambholi, Mr. R. P. Borse, Dr. Aditya Abhyankar, Dr. R. K. Kamat, Dr. Chitode, Dr. Munot.	02 to 07/06/2014
Electronics Engineering		
Short term training programme on "Emerging	-Dr. K. Samudravijay, Dr. Kishore Kumar, Dr. Laxminarayanan, Dr.	15 to 19/01/2015

Trends in Speech Signal Processing"	R.S. Holambe, Dr. R. S. Holambe, Dr. S. D.Apte, Dr. K. Shridhar, Dr. M. S. Deshpande, Dr. P. K. Ajmera, Dr. Vibha Vyas, Mr. Pratap Sanap	
Computer Engineering		
Workshop on Big data & Hadoop, Map Reduce	Mr. Sanjay Shukre,	02/02/2015
Workshop on Mathematical Modelling	Mrs. Sonali Patil	17/01/2015

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

Department	Research Area	Faculty Expertise
Computer Engineering	Computer Network	Mr. Suresh Limkar, Mr. P.S.Gaikwad
	Machine Intelligence and Applications	Mr. Amol kalugade, Mr. P.S.Sadaphule
	Data Mining	Mrs. S.N.Zaware
Electronics Engineering	VLSI & Embedded Systems	Dr. D .K .Shedge, D. A. Itole, K. V. Ranvir, S. S. Nikam
	Wireless communication	M. S. Vanjale
	Image & Signal Processing	S. B. Dhonde, M. J. Sagade
Electronics and Telecommunication Engineering	Signal and Image Processing	Dr. V.K.Bairagi
	Embedded Systems and VLSI	Mrs. V.K.Patil
	Wired and Wireless Communication	Mrs.V.K.Patil
	Signal & Speech Processing	Mrs. H.D. Shinde
Information Technology	Networking	Mr. Pritesh A. Patil
	Wireless Networking	Mr. Pritesh A. Patil
	Database & Big Data	Mr. Pritesh A. Patil,

		Mr. Riyaz A. Jamadar
	Image Processing	Mrs. Mrunal K. Pathak Mrs. Reshma Y. Totare
	Operating Systems	Mrs. Anuja S. Phapale
	Distributed System	Mr. Riyaz A. Jamadar Mrs. Pragati P. Mahale
Electrical Engineering	Power system	Mr. S. V. Shelar, Mrs. K. S. Gadgil, Mrs. S.S. Landge, Mr. .S.S.Shingare, Mrs.S.M.Shaikh Mr.V.S.Kamble,
	Power Electronics	Mrs.V.P.Kuralkar Mrs. K. S.Gadgil, Mr.S.M.Chaudhari,
	Control System	Mr.S.M.Chaudhari, Mrs.A.D.Shiralkar, Mr.P.P.Mahajan, Mr.S.K.Mahindrakar
Engineering Sciences	Water, Materials, Fuels, Poleymers and Composites	Dr.Y.P.Patil
	Advanced Mathematics	Dr. K. G. Wadikar
Instrumentation Engineering	Programable Logic Controller (PLC)	Mr.H.P.Chaudhari
	Process Instrumentation	Mrs D.U.Shinde
	Control Systems	Mr. S.C.Rajgade
	Biomedical Instrumentation	Mrs A.A.Shinde,Mrs S.V.Kulkarni

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

- Organizing Faculty Development Programmes by involving industry personnel's for better understanding of research methodology and practices currently followed.
- Organizing conferences and workshops, inviting experienced professionals from the industry for sharing their expertise.

- Initiate and promote MoU with industries and R&D organizations.
- Inviting eminent researchers as judge for project exhibitions
- Inviting eminent researchers as chief guests for Techfest, Conferences, Workshops, STTPs
- Inviting eminent researchers as experts to deliver lectures to students
- Collaborating with researchers through professional body (IEEE, IETE, ISTE, ISA, CSI and IEI) activities.

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 strongly believes in promoting a research culture by granting study leave for faculty pursuing their Ph.D. and research work. The Institute has the provision of sabbatical leave.

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

To transfer the findings of research of the institution and else where to student's andcommunity following initiatives are taken by the institute:

- Institute encourages and supports researchers to participate in various project competitions/conferences.
- Institute encourages faculties to visit industries, institutes and organizations to give guest lectures and keynote speeches.
- Research projects that are socially relevant are demonstrated through NSS / other social activities to the rural community.
- Encouragement to publish the papers in conferences and journals.

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.

The institute has six UG courses and recently introduced two PG courses and the Research Center will register the Research Scholars from the next academic year (2015-16). Up till now the amount earmarked for research activities in the budget is less than 1% of total budget. From this academic year the Electronics and Electrical departments have made a provision in their budget to purchase equipments required to setup the research labs. The institute has already made provision to subscribe to research journals like IEEE, Elsevier Science Direct, McGraw-Hill, ASTM digital library, Delhi.

Following table gives actual utilization on research and development activities:

A.Y. 2014-15

Particulars		Budget allocation in (₹)	Utilization in (₹)
Research Journals subscription	Library	11,00,000/-	12,38,351/-
High end equipments	Electronics	5,10,000/-	5,10,000/-
	E&TC	13,95,500	1,92,375/-
	IT	5,21,000	5,21,000/-
	Instrumentation	7,74,000	7,74,000/-
	Electrical	10,80,000/-	10,80,000/-
	Computer	32,00,000/-	10,57,255/-
R&D contingency Fund		6,00,000/-	6,00,000/-

A.Y. 2014-15
1. **Research Journals---- ₹ 10,00,000/-**
2. **High end equipments**
   a. Power Analyzer - (Electrical Dept)
   b. Universal process controller - (Instrumentation Dept)
   c. Mixed signal Oscilloscope - (E&TC & Electronics Dept)
   d. Arbitrary waveform Generator - (E &TC Dept)
   e. Flow control loop(Instrumentation Dept)
   f. Dell server(Information Technology Dept)
   g. Spectrum Analyzer(Electronics Dept)
   h. Logic Analyzer(Electronics Dept)

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 provides seed money to research scholars for attending conferences and to publish their papers. As per the requirement of faculty, budget is allocated for the purpose of research projects, equipments and other consumable items

The amount disbursed and the percentage of the faculty that has availed the facility in the last four years is given below.

A.Y. 2015-16:

Sr. No.	Name of Faculty	Department	Details of conference/ Projects	Amount received
1.	Mrs. S. S. Nikam	Electronics Engineering	ISTE approved one week STTP on Challenges in ASIC Design from 15th June to 19th June 2015	₹2,000/-

A.Y. 2014 – 15:

Sr. No.	Name of Faculty	Department	Details of conference/ Projects	Amount received
1.	Dr. P. G. Musrif	Engineering Sciences	Workshop on Introduction to Gaussian theory & practices held at New Delhi from 6th Jan.2014 to 10th Jan. 2015	₹3,000/-
2.	Dr. P. G. Musrif	Engineering Sciences	Meeting of astronomical Society of India from 7th Feb. 2015 to 10th Feb. 2015	₹3,000/-
3.	Mr. V. S. Kamble & Mr. S. M. Chaudhari	Electrical Engineering	Project on "Synchronizing panel for parallel operation of alternators"	₹25,000/-
4.	Mrs. S. M. Shaikh	Electrical Engineering	Project on Microcontroller PLC based Rotary optical Encoder	₹11,495/-

A.Y. 2013-14:

Sr. No.	Name of Faculty	Department	Details of conference/ Projects	Amount received
1.	Mrs. K. G. Wadikar	Engineering Sciences	Innovative teaching techniques by NITTTR from 14th Oct. 2013 to 18th Oct.2013	₹2,500/-
2.	Mrs. A. N. Khan Pathan	Engineering Sciences	Global positioning system & remote sensing by NITTTR from 21st Oct. 2013 to 25th Oct.2013	₹2,500/-
3.	Mrs. S. K. Mahindrakar	Electrical Engineering	Electric Vehicles at SVNIT, Surat.	₹1,000/-
4.	Mrs. P. P. Mahajan	Electrical Engineering	Workshop on PIC18F458 Microcontroller and its application from 27th June 2013 and 28th June 2013	₹1,000/-

A.Y. 2012- 13: NIL

A.Y. 2011-12:

Sr. No.	Name of Faculty	Department	Details of conference/ Projects	Amount received
1.	Mr. S. V. Arlikar	Engineering Sciences	Innovative teaching techniques by NITTTR from 3rd Oct. 2011 to 11th Oct.2011	₹2,500/-

2.	Mrs. S. S. Nikam	Electronics Engineering	Conference- ICACEEE -2012 from 25th Mar 2012 to 27th Mar. 2012	₹2,750/-

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

Institute provides financial support to students for their research by providing:

- Funds for purchasing project equipments (Hardware and software) and fabrication in college workshops.
- Financial assistance for attending conferences, national and international level competitions

3.2.4   How does the various departments/ units/ staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faceing organizing inter disciplinary research.

The Institute has a Research and development Cell which consists of subject experts from all the departments. Faculty members of all the departments interact with the Research and development Cell in undertaking inter-disciplinary Research work.

Sr. No.	Name of Project	Participating Departments	Name of supervisor/ Guide
1.	Techfest Mindspark	Computer Engineering, Electronics Engineering, Electronics and Telecommunication Engineering	Mr. Kunal Ranveer
2.	Smart wheelchair	Electronics and Telecommunication Engineering & Electrical Engineering	Dr. P. B. Mane, Mr. S. K. Mahindrakar
3	Brain Health Monitoring	Electronics and Telecommunication Engineering, Instrumentation Engineering	Dr. V.K.Bairagi ,Mrs.S.V.Kulkarni
4	Robo skating	Information Technology, InstrumentationEngineering.	Mr. A.D.Rahulkar (Supporting)
5	Library Automation	Electronics and Telecommunication Engineering , Computer Engineering	Ms. M. P. Sardey
6	Programmable resistor decade	Electronics and Telecommunication Engineering , Mechanical Engineering	Mrs. V. K. Patil
7	Voice operated robot	Electronics and Telecommunication Engineering, Electrical Engineering	Mrs. V. K. Patil

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?
Optimal use of various equipment and research facilities is ensured by:
- The research committee monitors the research activities and keeps the track of the usage of various resources and facilities for research.
- Maintaining Log books for usage of equipments.
- Laboratories are utilized for technical add-on courses for students
- The central and department library maintains records of usage of References Book, National/International Journals.
- Utilization of laboratories beyond working hours.

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, the Institute has signed MoUs with some industries and other agencies for promoting training, research and extension activities in technical education.
- The Institute has received research grants from university for conduction of research and for the development of department laboratories.
- The Institute has received grants from AICTE, ISTE, CSI, CSIR and Savitribai Phule Pune University to conduct STTPs, workshops and conferences in the identified research areas.
- Sponsorship for STTP/workshop/conferences

Sr. No.	Name of STTP/ Workshop/ Conference	Resource Person	Dates	Funding agency	Grant Received
1	Workshop on Embedded Operating System Arm Cortex Processor	Mr. Mangesh Edake Mr. Ashish Bhopale	20 & 21/01/2 015	Savitribai Phule Pune University. Pune	₹ 1,000,00/-
2	Short term training programme on Emerging challenges for technocrats in Digital Signal Processing	Mr.Ketan Patel Mr.Chintan Khambholi Mr.R.P.Borse Dr. Aditya Abhyankar Dr.R.K.Kamat Dr Chitode Dr. Munot Dr. Vishwas	02 to 07/06/ 2014	ISTE-SRM	₹ 1,000,00/-

		Udpikar			
3	Workshop on Experimentation in Research and Effective Technical Writing	Dr.Ghodekar, Dr.Karandikar, Dr.Udgikar Dr. Sutane	15 & 16/01/2 0 15	SPPU, Pune	₹ 75,645/-
4	STTP on Emerging trends in speech signal processing	Dr. K. Samudravijay Dr. Kishore Kumar Dr. Laxminarayan an Dr. R. S. Holambe Dr. S. D.Apte Dr. K. Shridhar Dr. M. S. Deshpande Dr. P. K. Ajmera Dr. Vibha Vyas Mr. Pratap Sanap	15 to 19/01/2 015	Savitribai Phule Pune University. Pune	₹ 2,000,00/-

MOUs signed with industry (only industry with sponsored projects)

Sr. No.	Industry	Contact Person& Designation	Area of Interaction	Activities conducted
1.	Waveline Industries Wadgaon Sheri,Pune	Mr.K. S. Phulpagar Proprietor M:9850764212	Project Guidance	5 Projects guided for final year students
2.	MD Electrical,Pune	Mr. Sudhir Khot Marketing Manager	Project Guidance	2 Projects of final year completed

		Ph: (020) 24393922		
3.	Analogic Automation Pvt.Ltd.Pune	Mr.Ravinda Kalyankar Director M:9822004735	Project Guidance, Training and workshops for staff as well as students	1 Project of final year undergoing
4.	NetGyani Pvt Ltd,Pune	Mr.Niranjan Satpute, Ms.Gayatri Chavan	Cloud Computing	2 Project of final year Completed

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.

The number of grants approved and funds generated via various projects, judges the depth of R&D culture in any institution.The Institute has several senior faculty members with vast experiences in research activities. These senior faculty members guide other faculty members in preparing research proposals and advise them about current trends in research in their area of expertise.

A large number of new research projects are initiated every year with funding from various national and international governmental organizations and industries. The R&D cell keeps the faculty abreast of all such announcements for R&D projects and encourages them to submit proposals for funding.

Nature of the Project	Duration Year from to	Title of the project	Nameof the funding agency	Total Grant		Total grant received till date
				Sanctioned	Received	
Minor projects	2013-2015	Anomalous Absorption in Cosmic Molecules	SPPU	₹ 2,30,000	₹ 1,90,000	₹ 1,90,000

Minor projects	2012 to 2015 (1 year extension)	Efficient hardware implementation of digital communications systems	BCUD SPPU Pune	₹ 2,00,000	₹ 1,70,000	₹ 1,70,000
Minor projects	2014-15	Design of micro PLC for encoder application	AISSMS IOIT Pune.	₹11,495	₹11,495	₹11,495
Minor projects	2014-15	Experimental Setup of Synchronizing panel for Synchronization of Two Alternators.	AISSMS IOIT Pune.	₹25,000	₹25,000	₹25,000

3.3   Research Facilities

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

The Institute has established a Research and Development cell. Research projects are undertaken by the college.

The institute promotes a research culture by giving complete autonomy to the principal investigators and allocating funds and resources on a regular basis. Faculties are encouraged to participate as resource persons in various workshops and conferences.

Our institute offers university approved research activities with 6 undergraduate and two post graduate courses in varied discipline. It is also an approved research center for Electronics Engineering.

High speed internet and good number of computers have been provided to all faculty members of all the departments to enable them to pursue their academic as well as their research activities.

Final year students of undergraduate and post graduate programmes are encouraged to undertake projects having a research potential.

The students are encouraged to participate in different workshops, seminars, national and international conferences to promote research culture.

All departments of the institute organize different technical competitions to create curiosity among the students and to demonstrate their innovative ideas.

Research interest is promoted in the students by motivating and encouraging the students to publish research papers in Journals / conferences and by presenting technical paper on UG / PG project work.

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

The Institute follows the norms provided by AICTE and Savitribai Phule Pune University for creating and enhancing the infrastructure that facilitates effective teaching and learning in proportion to the student strength in different streams.

- The Institute focuses on developing good and modern infrastructure like classrooms, laboratories, library with reading rooms, internet facility.
- The Institute provides the infrastructure in view of a healthy, comfortable and technology based environment required for research and development.
- The Institute constantly and continuously expands and upgrades the required infrastructure facilities, in view of recent trends in engineering and research.
- Encouragement isgiven tothe faculty for applying to funding agencies like AICTE through their various schemes like MODROB, Research Promotion Scheme (RPS) mainly to establish research facilities through sanctioned funded project.
- In budget allocation, funds are separately allocated for research through which latest software and equipments can be procured to carry out the research.
- The institute encourages interaction with industries, research institutes and foreign universities for exploring the avenues of collaborative research.
- Sophisticated instruments, modeling tools, data processing software, and modern equipments are   purchased every year for upgrading and creating the research infrastructural facilities to meet the needs of new and emerging areas of research.

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 institution has received grants and the details are furnished in table below

Sr. No.	Name of Research Project & Year	Name of Faculty member (Dept)	Funding agency	Grant recd (Amount) In ₹	Instrument/ Software/ Development Kits Purchased
1	Efficient Hardware Implementation of Digital Communication Systems (2012)	Mrs. V.K. Patil (E&TC)	BCUD, SPPU, Pune.	₹2,00,000/-	USRPB100 Hardware & Software Kit
2	Implementation of RFID Based Interactive Maharashtra Map (2013)	Mrs. V. K. Patil (E&TC)	Forest Department, Junnar, Govt. of Maharashtra.	₹1,00,000/-	RFID Tags Active identifiers installed at Maharashtra Map
3	Real Time Implementation of IRIS Recognition Algorithm (2013-14) (2014-15)	Mr. A. D. Rahulkar (Instru) Mr. D. A. Itole (Elex)	BCUD-SPPU, Pune	₹1,00,000/-	IP Camera ASONI CAM628M-POE ARM Development Board
4	Anamolous absorption in cosmic molecules (2013-15)	Dr. P. G. Musrif Mr. S. V. Aralikar (FE Dept)	BCUD, SPPU, Pune	₹2,00,000/-	Software 1. Gaussian 09 2. Gauss View 05
5	Criteria for finding cube root of 3x3 Matrices (2011-12) (2012-13)	Dr. K. G. Wadikar	BCUD, SPPU, Pune	₹1,00,000/-	Books

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

The research facilities made available to the students and research scholars outside the campus / other research laboratories are

- Library Membership of British Council Library, ARAI Library, Jaykar Library
- Student's projects in collaboration with research laboratories/ organizations like NCL, DRDO, TIFR, ISRO, Savitribai Phule Pune University, Persistent Systems Ltd, Vishay Components etc.

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

The well equipped library with experienced staff offers services to the faculty members and students. The library has following sections

Stack Sections:

This has about 16,800 volumes of books and 3200 titles in the stack

Reference Section:

- Reference books recommended by the experts in the relevant fields are also available in the reference section. *(Number of reference books=504)*
- Encyclopedias', subject directories, dictionaries, famous autobiographies, project related advanced materials, books on personality development, communication skills, competitive examinations, general knowledge, etc. are available.
- CDs on technical subjects are available *(Number of CDs=1086)*

Periodical Section:

- The library has subscribed to about 42 National Journals.
- IEEE Transactions, IEEMA journals and other international society publications are the important information sources available in this section.
- A detailed notice about New Arrivals is always displayed.
- All leading newspapers and other monthly magazines are also available.

Digital Library and E-Resources:

- Internet access is available to the students in the library.
- The college has subscribed to the e-resources under the INDEST-AICTE Consortium which gives access toIEEE transactions, Science Direct, J. Gate, ASTM Digital Library, Springer, Mc-Graw Hill.

Membership:

The library has membership of British Council library, ARAI & JaykarLibrary

Reading Hall:

Two separate reading halls are provided for faculty members and students.The reading hall for the students is ventilated, illuminated and spacious toaccommodate up to 150 students

Library timings:

Library timing is 7.30 am to 6.30 pm from Monday to Saturday

Library Books			
Sr. No	**Stocks for Subject :**	**Existing Titles**	**Existing Volumes**
1	FE (Maths, Physics, Chemistry etc)	374	3660
2	Computers	761	4328
3	Electronics	647	3125
4	Instrumentation	452	2111
5	Electrical	563	3114
6	IT	368	1249
7	Electronics &Telecommunication	341	1112

The library has a provision for purchase of latest titles for research scholars as and when required apart from annual purchase.

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

As the institute has good infrastructure and high end equipments required for research, the research institutes like DRDO, NCL, ISRO, ARAI, IUCAA are sponsoring research projects to our students. We are in process of applying to the research institutes to avail facilities from them.

3.4   Research Publications and Awards

3.4.1   Highlight the major research achievements of the staff and students interms of Patents obtained and filed (process and product)

Original research contributing to product improvement Research studies or surveys benefiting the community or improving the services Research inputs contributing to new initiatives and social development

1) Vinayak Kachardas Bairagi, "Method For Encoding And Decoding Of Images Using Their Symmetry", CBR No 8682, May 2013.
2) Vinayak Kachardas Bairagi, "Channel Coding Technique For Lossless Compressed Images", CBR No 9895, June 2013.
3) Vinayak Kachardas Bairagi, "Method For Blur Detection And Correction For Images", CBR No 18107, Dec 2013.

4) Vinayak Kachardas Bairagi, "Machine Vision Guided System For Classification And Detection Of Mango Plant Diseases Using Support Vector Machines", CBR No 14261, Sept 2014.

5) Mr.N.D. Gaikwad filed a patent titled "A Rolling Iron Press" Application Number 316MUM/2008 (CBR NO.242) Dated 13-02-2008

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 islisted in any international database?

NIL

3.4.3 Give details of publications by the faculty and students:

Information Technology												
Sr. No	Name of Faculty	No of papers published in peer reviewed journals faculty/student	No. Of Publication Listed inInternational / National conferences	Cumulative Impact Factor	Chapters in book	Books edited	Books with ISBN inInternational DB	Citation index	SNIP	SJR	Mono graphs	Index Average
Information Technology												
1	P. A. Patil	07	04	-	-	-	-	-	-	-	-	-
2	R.Y. Totare	03	01	1.82	-	-	-	-	-	-	-	-
3	M.K. Pathak	03	-	1.3	-	-	-	-	-	-	-	-
4	V. S. More	01	-	3.2	-	-	-	-	-	-	-	-
5	R.L. Bhosale	01	-	2.1	-	-	-	-	-	-	-	-
6	C. N. Aher	01	01	4.438	-	-	-	-	-	-	-	-
7	P.P. Mahale	--	03	-	-	-	-	-	-	-	-	-
8	R.Y. Totare	02	-	-	-	-	-	-	-	-	-	-

| 9 | J.C. Pasalkar | - | 01 | - | - | - | - | - | - | - | - | - |

Engineering Science

1	Y P Patil	2	2	4.1	-	-	-	06	-	-	-	-
2	A.J.More	1	-	5.4	-	-	-	00			-	
3	N.P.Bhone	1	-	0.6	-	-	-	00	-	-	-	-
4	G.N.Mawale	1	1	5.3	-	-	-	00	-	-	-	-
5	A.J.More	01	2	1.2	-	-		-	-	-	-	-
6	A.M.Patil	1	-	0.278	-	-	-	-	-	-	-	-
7	D.A.Bagade	1	-	1.2	-	-	-	-	-	-	-	-
8	P.G. Musrif	-	01	-	-	-	-	-	-	-	-	-
9	S.V. Arlikar		-	-	04	-	-	-	-	-	-	-
10	K.R.Darvekar	1	-	00	-	-	-	-	-	-	-	-

Electrical

1	S. V. Shelar	09	01				02	-	-	-	-	-
2	S. M. Chaudhari	02	00	2.288	-	-	40	-	-	-	-	-
3	A. D. Shiralkar	01	05	5.098	-		--	-	-	-	-	-
4	K. S. Gadgil	02	01	2.324	-		--	-	-	-	-	-
5	S. S.	07	03	10.	-		02	-	-	-	-	-

	Shingare			457								
6	S. S. Landge	02	00	11. 42		-	01	-	-	-	-	-
7	V. P. Kuralkar	04	02	-		-	--	-	-	-	-	-
8	V. S. Kamble-	07	01	--		-	01	-	-	-	-	-
9	Saba M. Shaikh	04	01	5.1 04		-	04	02	-	-	-	-
10	Amruta Rane	00	04	--		-	-	-	- -	-	-	-
11	N. M. Rao	01	00	2.3 24		-	-	-	-	-	-	-
12	P.P.Mahaja n	00	00	-		-	-	-	-	-	-	-
13	S.K. Mahindrak ar	00	00	-		-	-	-	-	-	-	-
14	S.M. Karodi	02	00	2.4		-	-	-	-	-	--	-
15	S.A. Asarkar	00	00	-	-	-	-	-	-	-	-	-
16	Sujata Pownikar	00	00	-	-	-	-	-	-	-	-	-
17	Aditi Abhyankar	00	00	-	-	-	-	-	-	-	-	-
Electronics & Telecommunication												
1	M.P. Sardey	2	-	-	-	-	-	-	-	-	-	--
2	V. J. Desai	1	-	-	-	-	-	-	-	-	-	- -
3	S. R. Kokane	1	-	-	-	-	-	-	-	-	-	- -

4	S. R. Pawar	1	-	-	-	-	-	-	-	-	-	-
5	R. N. Jadhav	1	-	-	-	-	-	-	-	-	-	-
6	G. D. Salunke	12	-	18. 369	-	-	-	5	-	-	___	-
7	D. M. Yewale	5	1	6.7 59	-	-	-	-	-	-	-	-
8	R. A. Thakare	1	-	3.1 34	-	-	-	-	-		-	-
9	V. K. Patil	3	-	9.4 02	-	-	-	-	-		-	-
10	H.D Shinde	3	-	-	-	-	-	-	-	-	-	--
11	M.R. Wanjre	1	-	-	-	-	-	-	-	-	-	--
12	S.V. Lohar	2	-	-	-	-	-	-	-	-	-	--
Electronics												
1	P.B. Mane	9	5	8.7 5	-	-	-	8	-	-	-	2
2	Dnyandeo Krishna Shedge	8	5	4.9 8	-	-	1	4	-	-	-	-
3	Pandurang A Patil	0	1	-	-	-	-	-	-	-	-	-
4	Somnath B Dhonde	4	2	7.1 95	-	-	-	-	-	-	-	-
5	Mousami S Vanjale	4	0	3.3 58	-	-	-	-	-	-	-	-

6	Milind P Gajare	5	1	6.045	-	-	-	-	-	-	-	-
7	Rupali S Pawar	1	0	1.315	-	-	-	-	-	-	-	-
8	S. B. Pokharkar	1	0	1.315	-	-	-	-	-	-	-	-
9	Devendra A Itole	3	3	5.73	-	-	-	-	-	-	-	-
10	Shobha S Nikam	2	2	2.59	-	-	-	1	-	-	-	-
11	Vineeta Philip	4	4	3.42	-	-	-	-	-	-	-	-
12	Piyusha K . Nilegaonkar	-	2	-	-	-	-	-	-	-	-	-
13	K.A. Pujari	1	1	1.315	-	-	-	-	-	-	-	-
Computer												
1	S.N.Zaware	1	01	2.3	--	--	--	-	--	--	--	-
2	M.P.Nerkar	7	7	16.338	--	--	--	-	--	--	--	-
3	S.V.Limkar	03	14	-	--	--	--	3	--	-	--	-
4	M.G.Zope	8	8	6.268	--	--	--	-	--	--	--	-
5	D.Pitambare	2	01	10.04	--	--	--	-	--	--	--	-
6	P.S.Gaikwad	5	04	4.28	--	--	--	-	--	--	--	-
7	Swati Nawale	2	2	-	--	--	--	-	--	--	--	--
8	S.P.Pimpalkar	--	2	-	--	--	--	-	--	--	--	--
9	G.J.Navale	1	1	-	--	--	--	-	-	-	--	-

10	A.G.Said	--	4	5	--	--	--	-	--	--	--	-
11	Smita.Shinde	2	2	3.57	--	--	--	-	--	--	--	-
12	Dipali.Jawale	05	1	5.06	--	--	--	-	--	--	--	-
13	P.Sadaphule	--	3	-	--	--	--	-	--	--	--	-
14	M.G.Zope	--	2	-	--	--	--	-	--	--	--	-
15	P.Bidwai	1	3	3.1	--	--	--	1	--	--	--	-
16	G.J.Navale	1	1		--	--	--	-	--	--	--	-
17	Savita Barole	2	2	4.7	--	--	--	-	--	--	--	-
18	Smita Shinde	2	2	-	--	--	--	-	--	--	--	-
19	Dipali Jawale	--	1	-	--	--	--	-	--	--	--	-
20	P.S.Sadaphule	--	3	-	--	--	--	-	--	--	--	-

3.4.4 Provide details (if any) of Research awards received by the faculty, recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally incentives given to faculty for receiving.

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

Sr. No.	Name of Faculty	Award
1	Dr. V. K.Bairagi	IEI Young Engg. Award

3.5   Consultancy

The Institute encourages faculty members to engage with industry, government, non-profit organizations to provide consultancy services in areas of engineering. Although presently this practice is limited with less number of faculty members individually, the institute encourages each faculty member to take up individual

consultancy assignment, or on behalf of the Institute. Industry-college interaction has been re-looked into. There is an increase in the number of consultancy work and also contract work taken up by the faculty members. Also the college encourages the faculties to pursue higher education by utilizing the expensive common facilities. The maintenance work in our college is being taken care of our work section itself. The whole college is provided with internet facilities. Each and every computer is connected under a network.

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

The Institute strongly believes in establishing a bond with the industry for the purpose of inclusive growth

System:
- To Sign Memorandum of Understanding with industries.
- To arrange expert lectures for students from the industry to share their experiences on industrial trends and practices.
- To offer consultancy services to the industry.
- To arrange industrial visits for students
- To arrange training program in collaboration with industry
- To arrange in plant training in Industries
- To arrange for Sponsored Projects from industry

Strategies:
- It has been planned that each department should sign at least two Memorandum of Understanding with industries.
- It is mandatory for all the subject teachers to arrange expert lectures for students from the industry.
- Faculty expertise is being communicated to local industries through Emails and letters for offering consultancy services to them.
- It is mandatory to arrange at least one industrial visit for students of every class per semester.
- It is decided to arrange at least one training program for students and faculty members in collaboration with industry annually.
- It has been decided to arrange in-plant training for at least 5-10% students of final year of each department.
- It is mandatory for each department to arrange for sponsored projects from industry for at least 30-40% students of final year.

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

The Institute promotes consultancy works to be carried out with outside agencies/industries so as to provide solution to industrial problems through sharing of expertise available.

Policy:
- The funds received from sponsoring industry/agency would be disbursed amongst the Investigator and other staff involved in the project with a nominal amount retained for college facilities.

Sr No	Service	Distribution of money	
		College	Principal Investigator/ consultants
1	Consultancy	25% of Net amount	75% of Net amount
2	Testing assignments	25% of Net amount (Service Tax / TDS deducted by party) (Total expenditure on the testing should not exceed 0.5 of Total Amount received from client)	Remaining Amount (B) = 0.75 x Net amount • Faculties involved = 0.60 x B • HOD = 0.10 x B • Supporting staff = 0.30 x B
3	Seminar/ Conference/ Workshop/Training Program	50 % of total Balanced amount	Remaining Amount (R) = 0.50 x total Balanced amount • Department Funds = 0.20x R • Faculties involved = 0.60 x R • Supporting staff = 0.20 x R

- Consultancy work should not affect the instruction delivery process.
- Individuals or Departments may also initiate and take up consultancy work after taking approval of the management.
- Faculty involved in such consultancy work would be permitted to use college resources.

Expertise advocated and publicized in the following manner:
- Institute encourages faculty members with adequate research experience for providing consultancy to industry.
- Training and Placement cell explores the possibility of collaboration with industry during interactions with various industries.

- The concerned faculty members are granted on-duty leave while their consultation work is underway.
- Major areas of expertise are advertised through the college website in the departmental section and also through technical events/Programmes.
- Faculty expertise is being communicated to local industries through emails and letters for offering consultancy services to them.

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

Institutional goal is to make the process of consultancy easier for academics. Institute encourages staff by providing facilities that supports consultancy services.

- Departments encourage the staff for knowledge up-gradation, by giving on duty leaves, financial assistance to attend various workshops, seminars, training programs etc.
- As illustrated in 3.5.2 table the staffs gets substantial monetary benefits for the consultancy work they offer.
- Publishing consultancy work of an individual in various research journals.
- The institute considers the contribution of staff in consultancy work in their annual appraisal.

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 The Source	Year	Purpose	Income Generated
1	TCS Ion Pvt. Ltd., Pune	2013-14	Online entrance exams	₹ 5,15,000/-
2.	Universal College of Engineering and Research Center	2012-13	High Voltage Engineering, Switch Gear and Protection	₹ 20,000/-

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

Please refer Criterion 3.5.2 for the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development.

- The revenue generated through consultancy would be used in some ratio for the betterment of the Institute.

- The faculties will use their expertise gained through consultancy for the development of the institute.
- Financial revenue generated from consultancy work would be used for R&D and incidental expenses.
- Individuals or departments may also initiate and take up consultancy work after taking approval of the RDC through the head of the concerned departments. The report of department and the report of the individual Consultancy projects will be signed by the Individual Faculty.
- Faculty involved in such consultancy work would be permitted to use college resources.
- The fund received from sponsoring industry/agency would be disbursed amongst the Investigator and other staff involved in the project with a nominal amount retained for college facilities.
- Grant may also be sanctioned to faculty members for developing research infrastructure.

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?

AISSMS IOIT believes in taking social responsibility. The institutes believe that social responsibility should be incorporated, integrated, and aligned with the vision and mission of the institute.

To promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students institute has NSS Unit and Student Welfare Cell. A number of activities are organized by the institute for contributing to society.

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

A Database of students involved in social activities is maintained by the NSS and SWO Officer. Apart from this each department also maintain record of the students involved in social movements/activities in the form of participation certificates, relevant photographs and media coverage. This ensures a proper tracking mechanism which promotes citizenship role.

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

AISSMS IOIT believes in imparting quality education to the students. It has systematic strategies to measure quality of performance as well as the quality

outcomes with the inputs of stakeholders. The strategies are framed such that the roles of the stakeholders become pivotal in improving and sustaining quality.
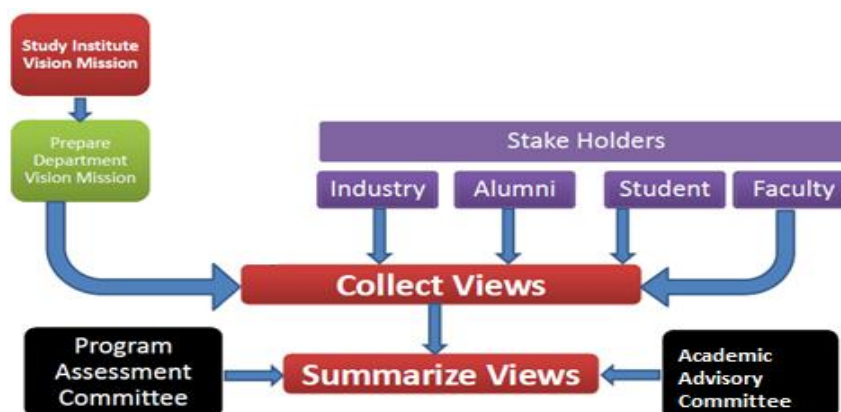
As quality policy, regular feedback is collected from stakeholders. The collected data is analysed and used for improving the overall performance and quality of the institution.

The methods of collecting stakeholders' perception are summarized as below:

- Student feedback
- Parents' feedback
- Alumni feedback
- Industry/ employer feedback.
- Inputs from Professional body/University representatives.
- Arranging Guardian/Parent meet.
- Suggestion box are kept in each department.

All above feedback are taken in writing/mails and/or verbally.

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.

Every academic year various extension and outreach Programmes are planned and executed. Few of the organized Programmes are:

Sr.No	Activity	Impact
1.	Blood donation camp	Awareness about social responsibility
2.	Health Awareness Programmes	Importance of having a sound body and mind
3.	Poster exhibition for	Sensitizing students and society about

4	Celebration of various days like Womens' day, National Science day, Kargil day, Engineers' day etc.	To inculcate leadership skills, organizing skills and scientific/technical approach. Inspiring students to become socially responsible professional.
5	NSS Camp	To promote national spirit.

  For this purpose, budget is allocated.

Sr.No	Name of the Activity	Budget and Expenditure (₹/-)
2014-15		
1.	F.E. Induction	1000
2.	Campus Cleaning	500
3.	Independence Day	500
4.	Blood Donation Camp	2000
5.	Mahatma Gandhi Jayanti	500
6.	Fort Conservation	1000
7.	Youth Day	500
8.	Army Day	500
9.	Republic Day	500
10.	Awareness Rallies	500
11.	Science Day	500
12.	NSS Week	1500
13.	Social Visits	500
14.	Woman's Day	500
Total		10,500/-
2013-14		
1.	F.E. Induction	50
2.	Kargil Day	250
3.	Independence Day	50
4.	Blood Donation Camp	200
5.	Teachers Day	500
6.	Engineers' Day	800
7.	N. S. S. Week	3000
8.	Levelling of Football Ground	1000
9.	Cleaning of Open Space	1000
10.	Cleaning of Water Coolers	150
11.	Organization of Lectures	2000
12.	Campaigning for hygienic Practices	1000
13.	Survey in college neighbourhoods	500
14.	Cloth Donation Week	Voluntary
15.	Watering to Plantation	Voluntary

Total		10,500/-
2012-13		
1.	F.E. Induction	50
2.	Kargil Day	250
3.	Independence Day	50
4.	Blood Donation Camp	200
5.	Teachers Day	500
6.	Engineers' Day	800
7.	N. S. S. Week	3000
8.	Levelling of Football Ground	1000
9.	Cleaning of Open Space	1000
10.	Cleaning of Water Coolers	150
11.	Organization of Lectures	2000
12.	Campaigning for hygienic Practices	1000
13.	Survey in college neighbourhoods	500
14.	Cloth Donation Week	Voluntary
15.	Watering to Plantation	Voluntary
Total		10,500/-
2011-12		
1.	F.E. Induction	50
2.	Kargil Day	250
3.	Independence Day	50
4.	Blood Donation Camp	200
5.	Teachers Day	500
6.	Engineers' Day	800
7.	N. S. S. Week	3000
8.	Levelling of Football Ground	1000
9.	Cleaning of Open Space	1000
10.	Cleaning of Water Coolers	150
11.	Organization of Lectures	2000
12.	Campaigning for hygienic Practices	1000
13.	Survey in college neighbourhoods	500
14.	Cloth Donation Week	Voluntary
15.	Watering to Plantation	Voluntary
Total		10,500/-

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 extension activities and enrichment programmes through NSS, Students Associations and professional society students' chapter.

1. During the induction programme the principal in his address apprises the newly admitted students about the benefits and scope of the extension activities.
2. Details of the programs are displayed on the notice board and an interaction of students is organized with NSS officer, Coordinator of Students' Association and Professional societies.
3. Expert Faculty and eminent personalities from NGO's, central government organisations are regularly called upon to share their experiences with the students to motivate them for participation in extension activities.
4. The institute promotes participation of students and faculty in extension activities by providing following facilities:
   - Funding for the program
   - On duty leaves for faculty members for attending such programs
   - Consideration of attendance for students participating in such programs
   - Credit is given in performance appraisal for faculty members
5. The work carried out by students and faculty members is appreciated and given wide publicity through department newsletters, college magazine and newspapers.
6. The Management representatives actively participate in such programmes to promote these activities.

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?

As a part of institute's vision and mission to uplift common masses and empower society, the institute actively participates in various social surveys, research and extension work to ensure social justice and empower students from under-privileged and vulnerable sections of society through the following activities:

1. The institute has an established National Service Scheme (NSS) unit. As a part of NSS activities, institute had arranged NSS Camps to following villages:
   - Wade Bolhai Village, Tal: Haveli in the year 2009-10 & 2010-11
   - Bori Pardhi village, Tal: Daund in the year 2011-12, 2012-13 & 2013-14
   - Kusegaon village Tal: Daund in year 2014-15.

Different activities carried out during the camp are as follows:
1. Conducting computer literacy sessions.
2. Building embankments.

3. Self-defense training for girls.
4. Essay writing, drawing and elocution competitions.
5. Medical check-ups.
6. Awareness about:
    - Disaster management
    - Self cleanliness
    - Road safety and traffic rules
    - Water and energy conservation
    - Female foeticide
    - Atrocities against women
    - Anti- alcohol and tobacco drive
    - Dowry prevention
    - Save Environment
    - Right to education
    - Advances in agriculture
7. Surveys about:
    - Number of members in a family (with gender ratio)
    - Educational qualification of family members
    - Crop pattern
8. As a social initiative, the Institute donates educational material, clothes, toys, food grains, utensils and cash to the underprivileged sections of the society such as orphanages, schools for blind, schools for dumb and deaf, differently abled children and HIV infected children

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.

Engineers are integral part of every system of the society. In order to serve the society in better ways they must be aware of the various issues of the society. Extension activities planned by the institute provide such opportunities to the students

- Engineers Day
- Blood Donation Camp
- Teachers Day
- National Science Day
- Women's Day
- NSS
- Annual Gathering
- Technical Clubs

- Student Chapters

All the above mentioned activities helps student to get acquainted with current social scenario that boosts their confidence level to utilize their learning in proper approach to solve the real life problems. This has resulted into selection of their final year projects to address social issues.

Inculcation of Leadership Skills, Team Building, Decision Making, and Management qualities can be achieved through the above mentioned activities.

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?

The institution actively participates / promotes all the extension activities which contribute both to community-institution networking and development of institute. Various activities organized are as follows:

- NSS camps are arranged in rural areas wherein student actively interacts with society, they spread awareness about social issues such as the environment protection, water conservation, female foeticide, dowry system.
- Parent Meeting, Induction Programme
- Experts from industry and different parts of the society like police, social activist on the advisory board of the institute
- Spreading awareness about advanced education in Junior Colleges by the Staff Members
- Celebration of Shiv Jayanti, Shahu Jayanti, Independence Day, Republic Day, Kargil Vijay diwas.
- Cleanliness drives
- Social visits,
- Blood donation camp
- Clothes donation activity
- Tree plantations

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.

Following are the details of relationships forged with other institute of the locality for working on various outreach and extension activities.

- Every year the institute organises blood donation camps in association with Armed Forces Medical College (AFMC) Pune.
- The institute has organised NSS camps in the below mentioned Villages.

- o   Wade Bolhai Village, Tal: Haveli,
- o   Bori Pardhi village, Tal: Daund and
- o   Kusegaon village Tal: Daund.
- The institute has also graciously carried out donation activities for the following NGOs who are working for the social cause
  - o   Shivaji Trail Charitable Society, Pune
  - o   Prajakta Matimand Sanstha, Pune
  - o   Sawali (Sindhu Tai Sapkal), Pune
  - o   Poona blind men association, Pune

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.

- Mrs. M H Dhend received SAMPARK MITRA PURASKAR for social work done in the year 2009-10.

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.

The Institute collaborates and interacts with research laboratories, institutes and industries for research activities by means of student's projects.

The Details of the Research Projects carried out is as mentioned below:

Sr. No.	Year	Project Title	Research laboratories / Institutes / Industry	Name of Guide
1	2013-14	Automation in Fermentation Process	Alfa Laval	Mr.H.P.Chaudhari
2	2013-14	Automation of Elevated tank reservoir using PLC and SCADA	PCMC, Nigdi, Pune	Mr. S.C.Rajgade
3	2013-14	Synchronization of of Elevated tank reservoir with main	PCMC, Nigdi, Pune	Mrs.A.A.Shinde

		line		
4	2013-14	Design and analysis of data logger system for vegetable oil refinery	Precision Converters, Pune	Mr. S.C.Rajgade
5	2013-14	Heat exchanger temperature monitoring and control using Labview and wireless communication	NCL, Pune	Mrs.A.A.Shinde
6	2013-14	Chemical Dosing and Clarifier operation at water treatment plant using PLC	PCMC, Nigdi Pune	Mrs.A.A.Shinde
7	2013-14	Process Control	Wilo Mather Platt Pumps Pvt. Ltd.	Mr.H.P.Chaudhari
8	2013-14	Digital Temperature Sensor	University of Pune	Mrs.A.A.Shinde
9	2013-14	PLC controlled Hydraulic Auto ladle system for gravity die casting station	Victory Precision Pvt. Ltd.	Dr.A.D.Rahulkar
10	2013-14	Power measurement	Bharat Forge, Pune	Dr.A.D.Rahulkar
11	2013-14	Database Level Encryption	ULTIMATE Pvt. Ltd.	Mr. P.A. Patil
12	2013-14	Automatic Reassembly of Fraumented IMAUE & Printing	UTRY Software Sol'n Pvt Ltd.	Mrs Reshma Totre
13	2013-14	Door Locking & Unlocking using GSM /GPRS Tech	Sai info. Corp. Sol'n Pvt. Ltd.	Mrs Mrumai Pathak
14	2013-14	Mobile Authentication	Acorn	Mr. Riyaz Jamadar

		using Multi Touch Gestures	InfoTech	
15	2013-14	Distributed Accounting & data Sharing in Cloud	Logical Infotech	Mr. Riyaz Jamadar
16	2013-14	2-D Google map based bus navigation android application	Persistant Software Systems Ltd.	Prof. P.A. Patil
17	2012-13	Design & Implementation of modular RF &wireless communication systems for data transfer	Falcon Electro-Tek Pvt Ltd	V.N. Ghodke
18	2012-13	Weather Monitoring Systems	Kisan Agro Pvt. Ltd	V.K. Patil
19	2011-12	Lab VIEW based development for controlling chemical engineering processes	NCL, Pune	V.K. Patil
20	2011-12	Automation of Mating operation	DRDO, Pune	M. P. Sardey
21	2011-12	Nuclear Electromagnetic Pulse Protection System	DRDO, Pune	Dr.P.B.Mane
22	2011-12	ARM7 based hand held model	NCL, Pune	S. B. Dhonde
23	2009-10	DAS Using Lab View	NCL, Pune	D. K.Shedge
24	2009-10	CMOS Camera As a payload for Small Satellite Application	ISRO, Bengaluru	Dr.P.B.Mane
25	2009-10	ARM based development For USB Communication	NCL, Pune	S .B .Dhonde

| 26 | 2008-09 | Wind Speed monitoring System | Indian meteorological Dept. | D. K. Shedge |
| 27 | 2007-08 | Hard-Wiring digital stenography and water marking | DRDO, Pune | D. K. Shedge |

For the benefits accrued of the initiatives **please refer Criterion 3.7.2.**

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.

The Institute has signed MoUs with external organizations to conduct activities like Training, Placement, Development of training facilities for students, Guest Lectures, Participation in technical events and Advanced Learning.

For the MoUs/ collaborative arrangements with   institutions of international universities **please refer Criterion 1.1.5.**

Details on the MoUs with industries are as follows:

Sr. No.	Department	Name of the Industry	Activities	Benefits
1	Instrumentation Engineering	Robot Corporation	Expert Lectures, Workshops, Seminars for Students	Workshop on Microcontroller for F.E. to B.E. Students
		Backoff Automation	Expert Lectures, Workshops, industrial visits, certified training courses for Students	Three days course on Twin CAT Basic PLC Programming for B.E. Students
		Biokit Mumbai	Expert Lectures, Workshops for Students	Expert Lecture on Designing aspects of Biomedical Equipments for S.E. to B.E. Students
		Chipkin Autumation, Canada	Expert Lectures, Workshops, Seminars,	---

			Interactive Sessions for Students	
		Gyro Automation Services	Training, Workshops	Workshop on Protocol Conversion and System Integration for B.E. Students
2	Information Technology	Microsoft IT Academy	Training and Certification	Training for T.E. Students on C# and .NET
		Net Gyani IT Services	Training, Project Sponsorship, Placement Assistance	Two Project Sponsorships for B.E. Students, Inplant Training for Eight Students
		Skills Factory	Workshops, Seminars and Placement Assistance	For T.E. and B.E Four Workshops and Two Seminars.
3.	Computer Engineering	Sunbeam Institute of Information Technology,	Workshops, Seminars and Training	For Faculty Two Days Workshop
4.	Electronics Engineering	ZEAL Services	Training, Project Sponsorship, Workshops, Seminars and Placement Assistance	----
5.	Electronics and Telecommunication	Eaglet Gateways to Software Networking and Education Solution Pvt. Ltd., Pune	Training, Project Sponsorship, Workshops, Seminars and Placement Assistance	2 Days Workshop on Introduction to Embedded Programming for SE, TE, BE
6.	Electrical	Waveline Industries	Expert Lecture , Project Guidance	Expert Lecture on new trends in

		Wadgaon Sheri,Pune		illumination using led lighting. Five Projects guided for final year students
		Madhav Capacitors Pvt. Ltd. MIDC, Bhosari,Pune	Visit, Research activities and Project guidance	Total 9 Visits conducted
		MD Electrical,Pune	Project Guidance	2 Project s of final year completed
		Applicon System Pvt. Ltd.,Pune	Expert lecture, Project Guidance , training and workshops for staff as well as students ,seminar,	2 Expert lectures Guidance for Entrepreneurship under Entrepreneurship cell
		BHASHA Technologies Pvt. Ltd.,Pune	Expert lecture, Project Guidance , Training and workshops for staff as well as students ,seminar, Guidance for Entrepreneurship	Expert lecture on generating Entrepreneurship skill One and two days workshops on Microcontroller
		Analogic Automation Pvt.Ltd.Pune	Expert lecture, Project Guidance , Training and workshops for staff as well as students ,seminar, Guidance for Entrepreneurship	Expert lecture on generating Entrepreneurship skill One week workshop Placement

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.

The details of the industry-institution-community that have contributed to infrastructure facilities of the institution are as follows:

1. One of the reputed Multispecialty Hospital in Pune (Dinanath Mangeshkar Hospital) has donated biomedical equipments to the Instrumentation department which has helped the department to upgrade its biomedical engineering laboratory

2. The institute has membership of Jaykar Library of Savitribai Phule Pune University, Pune who has donated 106 Classical Books to the central library of the institute

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.

Year: 2014-15

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event	Details
1.	20/08/2014	Abhishek Datta	Relationship Manager, India Region, Birmingham City University (UK)	MoU Signing	Guest
2.	24/11/2014	Prashant Suryawanshi	HR Manager, Zensar Technology	MoU Signing	Guest
3.	17/09/2014	Mrs. Sayali Joshi	Laboratory Head, Aavanira Biotech Pvt. Ltd. Pune and CEO- Shrishti Eco-Research Institute (SERI), Pune	Seminar on Entrepreneurship	Chief Guest
4.	01-05/09/2014	Omprakash Barure	Proprietor Bagyashree instrumentation trainers consultancy, Pune	Workshop on PLC & SCADA	Key Note Speaker
5.	26-28/08/2014	Dr. S. R. Gengaje	HOD & Professor,	Workshop on "Outcome Based	Resourse Person

				Walchand Institute of Technology, Solapur	Accreditation (New NBA 2013) Format-Tier-II for undergraduate engineering"	
6.	26-28/08/2014	Dr. V. S. Bandal	Associate Professor, Govt. COEP, Pune	Workshop on "Outcome Based Accreditation (New NBA 2013) Format-Tier-II for undergraduate engineering"	Resourse Person

Year: 2013-14

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event	Details
1.	28/12/2013	Mr. Pranab Mukherjee	President of India	Inaguration of Statue of Shahu Maharaj	Chief Guest
2.	13/06/2013	Dr.Neil Hart	Professor in Stafford Shier univeristy	Course Designing	SU, UK Representative
3.	25-26/07/2013	Jorgan Lau	Germany	MOU signing	Member
4.	25-26/07/2013	Annikka Manikee	Germany Stutgaurd	MOU signing	Member
5.	26/03/2014	Mr. John Rowe	Director of London School of Training	MOU Signing	Member
6.	26/03/2014	Mr. Rajdeep Choudhary	Relationship Manager, London School of Training	MOU Signing	Member
7.	15/02/2014	Dr. H. S. Verma	Ag. Dy. Registrar (Acad) IIT, Powai	GATE Exam.-14	Centre Superintendent
8.	01/03/2014	Dr. Avijit	Professor	GATE Exam.-	Centre

		Chatterjee	IIT,Powai	14	Superintendent
9.	02/03/2014	Dr. G. N. Jadhav	Professor IIT,Powai	GATE Exam.-14	Centre Superintendent
10.	04/02/2014	Mr. S. Gawade	Deputy Commandant of NDRF	One day Workshop on Disaster Management	Key Note Speaker

Year: 2012-13

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event	Details
1.	06/08/2012	Mr. Sanjay Gandhi	CEO, Jetking Pune	Project Guidance and Introduction to Open Source Technology	Key Note Speaker
4.	03/04/2013	Dr. Consolee	Stafford Shire University, UK	Staff Exchange Program	Member
5.	05-07/10/2012	Dr. Vinod Kumar	Professor, IIT, Kharagpur	NBA Visit	Member
6.	05-07/10/2012	Dr. Ramesh Garg	Professor, IIT, Kharagpur	NBA Visit	Member
7.	05-06/02/2013	Dr. P. B. Butler	Executive Vice President and International Provost The University of Iowa	INDO-US Meet	Guest
8.	02/03/2013	Dr. Gaikwad	BCUD, Director, Pune University	LIC Committee Visit for Permanent Affiliation	Member
9.	02/03/2013	Dr. Sakpal	HOD Electronics, Govt. COEP	LIC Committee Visit for Permanent Affiliation	Member
12.	27/07/2012	Maj. Gen.	Major General	Kargil Day-	Chief Guest

		Rakesh Nandan SM	Army Air Defense, HQ-Southern Command	Vijay Divas	
13.	27/07/2012	Col. Sambhaji Patil (Retd.)	Founder of Trishakti Foundation	Kargil Day-Vijay Divas	Guest
14.	31/08/2012	Dr. Pandit Shelke	Student Welfare Officer, University of Pune	Kanya-Ratna Abhiyan	Chief Guest
15.	28/02/2013	Prof. Dr. D. N. Paliwal	Senior Scientist at BARC, Mumbai	Science Day celebration	Chief Guest

Year: 2011-12

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event	Details
1.	19-20-21/10/2011	Mr. Sudhir Panditrao	Director, SAN Techno Mentors Pvt. Ltd. , Pune.	Three days National level Workshop on PLC & SCADA	Resource Person.
2.	19-20-21/10/2011	Mr. Anant Gokhale	Director, SAN Techno Mentors Pvt. Ltd. , Pune.	Three days National level Workshop on PLC & SCADA	Resource Person
3.	15-16/12/2011	Dr. Neil Hart	Professor in Staffordshire University, U.K.	"National Conference on nanotechnology and its Applications in Electronics Engineering"	Chief Guest
4.	15-16/12/ 2011	Dr. B. R Sankapal	Professor in Department of Physics in North	"National Conference on	Key Note Speaker

			Maharashtra University Jalgaon.	nanotechnology and its Applications in Electronics Engineering"	
5.	15/09/2011	Pradeep Roy	Director of Crimson consulting	Seminar on Project Guidance	Key Note Speaker
6.	21/07/2011	Dominique Martin	Blowing Product Management Director,Sidel , France	Students Interaction Program	Key Note Speaker
18	21/07/2011	Shashikant Thigale	Manager,Sidel,Pune	Students Interaction Program	Key Note Speaker

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 institute has signed sixteen numbers of MoUs. The activities and benefits of these Established linkages are as mentioned below:

Item No.	Benefits	Name of Organization
a)	Curriculum development/enrichment	Backoff Automation Microsoft IT Academy
b)	Internship/ On-the-job training	Waveline Industries Wadgaon Sheri,Pune Net Gyani IT Services, MD Electrical, Pune
d)	Faculty exchange and professional development	Staffordshire University, (UK)
e)	Research	---
i)	Student Placement	Net Gyani IT Services, MD Electrical, Pune

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

The efforts taken by the institution in planning, establishing and implementing the initiatives of the linkages/collaborations is as given below:

- Planned and established linkages/collaborations related to academic and research activities for students and faculty members in various specializations.
- Signing of MoUs with leading industries.
- Inviting expertise from various industries for delivering expert lectures, key note address in Conferences, speaker in workshops and symposiums.
- Conducting joint technical Programmes and events with other organizations.
- Organizing industrial visits with the help of various collaborating agencies.
- It is proposed to establish Industry Institute Interaction cell in the Institute
- Motivation to carry out experiments and training in reputed Research Institutes.
- Promoting utilization of institute's laboratories by research candidates of other institutions

The institution has formed the policy for revenue sharing with the staff members for research and consultancy, testing and training activities.

The details of revenue sharing are as follows:

Sr. No.	Service	Distribution of revenue	
		College	**Principal Investigator/ Consultants**
1.	Consultancy	25% of Net amount	75% of Net amount
2.	Testing assignments	25% of Net amount (Service Tax/ TDS deducted by party) (Total expenditure on the testing should not exceed 0.5 of Total amount received from client)	Remaining amount (B) = 0.75 x Net amount • Faculties involved=0.60 x B • HOD=0.10 x B • Supporting Staff= 0.30 x B
3.	Seminar/ Conference/ Workshop/ Training Program	50% of total Balanced amount	Remaining amount (R) = 0.50 x total Balanced amount • Department Funds= 0.20 x R • Faculties involved= 0.60 x R • Supporting Staff= 0.20 x R

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?

The institute adheres to the norms provided by AICTE and Savitribai Phule Pune University to provide infrastructure to facilitate effective teaching and learning.
The policy for creation and enhancement of infrastructure is as follows:
1. In view of additional intake, addition of new courses and or change in syllabus, the institute forwards the requirements like building space, laboratory equipments, books and journals for library, IT resources, etc. to the management.
2. The management reviews the requirements and approves if appropriate & then the facilities are created/ procured by following the standard procedure.

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

The institute has an infrastructure as per AICTE norms. The Institute has planned and constructed the infrastructure which facilitates the curricular and co-curricular activities. All the departments are fully equipped with the necessary infrastructure to meet the ever increasing requirements with adequate class rooms, seminar halls, tutorial rooms, laboratories and sufficient space for hosting all academic activities as shown below.

Instructional Area (CarpetArea) in Sq.m.:
a)   Existing Programmes (UG):

Particulars	For Existing Intake			
	Nos.		Area	
	Required	Available	Required	Available
Class Rooms Tutorials Rooms	28 06	28 06	2046	2350
Laboratories	58	58	3960	4196
Drawing Hall	1	1	132	144
Workshop	2	2	200	400
Seminar Hall	6	6	792	956
Computer Centre	1	1	150	152

Library and Reading Room	1	2	400	502
Total :	**101**	**104**	**7680**	**8750**

b)   **Existing Programmes (PG):** PG being run in Second Shift shares the existing facilities of UG

Administrative Area (Carpet Area) in Sq.m. :

Particulars	For Existing Intake			
	Nos.		Area	
	Required	Available	Required	Available
Principal / Director Office	1	2	30	119
Board Room	1	1	10	14.3
Office all Inclusive	1	1	150	348.45
Department Offices	7	7	70	108.14
Cabins for Head of Departments	7	7	70	112.6
Faculty Rooms	17	17	85	279.52
Examinations Control office	1	1	30	30
Placement office	1	1	30	60
Central Stores	2	2	30	60
Maintenance	1	1	10	29
Security	1	1	10	10
House Keeping	1	1	10	14.3
Pantry for Staff	1	1	10	14.3
Total :	**43**	**43**	**545**	**1229.61**

Amenities Area (CarpetArea) in Sq.m. :

Particulars	For Existing Intake			
	Nos.		Area	
	Required	Available	Required	Available
Toilet (Ladies & Gents)	14	14	350	412.8
Boys Common Room	1	1	75	89.98
Girls Common Room	1	1	75	89.98
Cafeteria	1	1	150	215
Stationery Stores &	1	1	10	60.8

Reprography				
First Aid Cum Sick Room	1	1	10	14.3

Investment on Equipment (Department wise):
The specialized facilities and equipment for teaching, learning and research etc. are available in each department and a list of major equipments available is as follows:

Electrical Department

Name of the Items	Qty.	Amount
Motor AC Generator Set (7.5hp, 3ph,415v/1410rpm)	1	₹ 57,900/-
Motor AC Generator Set (7.5hp,3ph, 415v/1440rpm)	1	₹ 55,005/-
Motor AC Generator Set (3kva,415v/1500rpm)	2	₹ 86,393/-
Analog Digital Traner kit	10	₹ 150,000/-
Projector (Multimidia- XR-105)	1	₹ 68,830/-
Rectifire panel 415v AC Supply, 220 DC Supply	1	₹ 82,000/-
Switch gear testing kit	2	₹ 74,428/-
Meser price proction kit for transformer	1	₹ 56,538.90/-
3 PH series inverter kit	1	₹ 58,162/-
DC power supply	5	₹ 80,747/-
Transformer	1	₹ 59,009/-
125 KVA Generator set	1	₹ 6,31,000/-
EDSA Paladin Design Base CE-50 Bus	1	₹ 1,00,000/-
C & Tan delta Measuring	1	₹ 2,11,613/-
Lamp Bank 3 phase 20 Amps.	2	₹ 70,875/-
High Voltage Testing Unit 0-80 KV	1	₹ 1,44,175/-
Vertical Motorized Sphere gap unite	1	₹ 82,188/-
Transmission line panel	1	₹ 1,65,656/-
LCD Projector	9	₹ 2,85,750/-
Progammable Logic Controller With Temprature kit	3 +1	₹ 7,02,094/-
Economical Demo Panel	1	₹ 1,26,225/-
Total Amount		**₹ 33,48,588.90/-**

Electronics & E&TC Department

Name of the Items	Qty.	Amount
CRO Cathode Ray Oscilloscope	5	₹ 96,000/-
CRO Cathode Ray oscilloscope	1	₹ 56,431/-
Digital multimeter	5	₹ 59,000/-
Digital storage Oscilloscope dual trac CRO	20	₹ 3,04,660/-

Digital storage Oscilloscope No.361500m	1	₹ 69,392/-
Digital storage Oscilloscope No.36100pc	1	₹ 60,303/-
Digital storage Oscilloscope No.36100mso	1	₹ 1,17,390/-
Function Generator	1	₹ 1,64,000/-
Signet make signal Generator model S-945	1	₹ 80,009.99 /-
Signet make signal Generator model FC2MD,22190	17	₹ 1,67,800/-
A R B Generator model 460 Sr No39601060852	1	₹ 1,13,759/-
3 ph daul, 3ph vsf, resant Converter	3	₹ 52,214/-
3 PH Induction motor control squqre Inverter kit	1	₹ 50,494.21/-
CLCD Pro Panasonic PT LC 56 E	1	₹ 1,25,659.90/-
Oscilloscope 213186 (Hameg make)		₹ 1,62,049/-
Power Scope (3305 p Model No)	3	₹ 92,637/-
Spectrum Analyser SA 3006	1	₹ 79,055/-
Spartan III base DSP in VSLI Traner kit Model MX	2	₹ 69,873.75/-
Linear & Digital I C Tester	1+3	₹ 1,08,108/-
Function Generator	10	₹ 73,996/-
Digital storage oscilloscope	5	₹ 81,182/-
1) Pacemaker & 2) ECG systems	2	₹ 49,723/-
Dual power supply	10	₹ 77,355/-
1) VPL EX 5 LCD Projector	5	₹ 2,22,500/-
1) Spectrum Analyzer	1	₹ 3,90,000/-
2) CRO (30 MHZ)	12	₹ 1,92,000/-
3) Power Oscilloscope	6	₹ 1,35,150/-
Dual power supply 0-30 V / 2A DC	16	₹ 1,06,200/-
CRO 30 MHz Oscilloscope	6	₹ 85,488/-
Kit of Antenna Radiation Pattern	1	₹ 67,500/-
UPS - 20 KVA, 2 KVA & 0.5 KVA	15	₹ 4,68,075/-
Software	60	₹ 8,56,557/-
Ahuja PA System	2	₹ 80,000/-
Ahuja PA System	1	₹ 89,579/-
Digital Trainer Kit	25	₹ 1,37,109.25 /-
Total Amount		₹ **51,41,250.10/-**

Instrumentation Department

Name of the Items	Qty.	Amount
Audiometer	1	₹ 52,000/-
CRO	12	₹ 2,57,340/-
Digital Storeg Oscillocope- DL-1520	1	₹ 3,19,580/-
Dead weight Tester - Rew- 105	1	₹ 57,971/-

Flapper Nossel Function Generator	5	₹ 67,425/-
Flow Trainer	1	₹ 68,400/-
NEC LCD Projector	1	₹ 75,319/-
Simulator	6	₹ 74,880/-
Defibrillator kit	1	₹ 59,753/-
Arbitrary waveform Generator	1	₹ 92,947/-
Flow and Level loop	1	₹ 1,12,500/-
Flow and Level loop	1	₹ 1,12,500/-
Pneumatic & Hydralic Trainer Kit	2	₹ 2,07,850/-
Traner Kit (Control valve kit)	1	₹ 50,203/-
Lab View Elvis	1	₹ 2,56,308/-
Digital IC Tester , Analog IC Tester	2	₹ 74,880/-
Vibration Tester	1	₹ 54,000/-
Programmable Logic Controller	1	₹ 2,47,500/-
Single beam UV visible spectrophotometer	1	₹ 1,60,461/-
Digital IC Trainer kit	8	₹ 60,750/-
Process Calibrator	1	₹ 1,40,625/-
5 in 1 Test Lab	10	₹ 2,57,738/-
UPS 7.5 KVA	2	₹ 1,59,999/-
Total Amount		₹ **30,20,929/-**

Computer & IT Department

Name of the Items	Qty.	Amount
AMCO Make 12V/ 18Ah5 sf Batteries	48	₹ 89,100/-
AMCO Make 12V/ 18Ah5 UPS Batteries	55	₹ 81,400/-
Personal computer CPU	24	₹ 15,96,000/-
CVT / CVM-1000 Constant V. Transformer	8	₹ 67,920/-
Computer (CPU)	30	₹ 6,71,700/-
14" SVGA colour Monitor	12	₹ 5,64,000/-
	28	₹ 12,60,000/-
14" SVGA colour Monitor	8	₹ 3,76,000/-
14" SVGA colour Monitor	60	₹ 28,54,800/-
	45	₹ 20,94,300/-
	20	₹ 8,68,400/-
14" SVGA colour Monitor	10	₹ 2,45,000/-
Printer Dotmatrix Epson LQ-300	10	₹ 93,500/-
Printer Dotmatrix Epson LQ-2070	4	₹ 58,000/-
Printer Dotmatrix Epson LQ-1150	4	₹ 52,800/-
Printer Dotmatrix Epson LQ-300	10	₹ 64,910/-

Projector	1	₹ 86,326.50/-
Server	1	₹ 1,86,000/-
Server with Componant Monitor, CD Writer, Mouse	1	₹ 2,24,848/-
Server SBS (Power Server)	1	₹ 1,22,000/-
UPS	9	₹ 7,27,812/-
CPU upgradation P III To P-IV	11	₹ 1,34,750/-
CRT Monitor	30	₹ 6,71,700/-
8086 Trainer Kit	10	₹ 68,975/-
12 v/ 18 AH SMF Batteries	120	₹ 3,19,950/-
Wipro Desktop PC (Computer)	60	₹ 18,36,000/-
Laser Jet Printer	9	₹ 53,550/-
Lenovo Desktop PC (Computer)	80	₹ 22,16,000/-
Printer - Epson LX300+	16	₹ 1,10,400/-
Acer Desktop PC (Computer)	80	₹ 21,60,000/-
Projector	2	₹ 72,000/-
Dot Matrix Printer LX-300 Epson DM	16	₹ 1,13,600/-
Server- X3650	1	₹ 2,50,000/-
Server- X3650	1	₹ 2,50,000/-
UPS- 1 KVA on laonline sine wave IG BT	5 set	₹ 95,588.75/-
Lenovo Desktop PC (Computer)	134	₹ 38,19,000/-
Colour Printer HP cp 5225	2	₹ 3,05,200/-
Study Kit	42	₹ 1,36,728/-
Lenovo Desktop PC(Computer)	100	₹ 32,55,000/-
UPS 7.5 kva and 5kva	12	₹ 4,50,500/-
On Line UPS 7.5 kVA IGBT	4	₹ 3,19,998/-
Total Amount		₹ **2,90,23,756.25/-**

Applied Science Department

Name of the Items	Qty.	Amount
Ultrasonic Interferometer	6	₹ 99,562.50/-
Spectrometer	4	₹ 1,52,000/-
Calorimeter	12	₹ 75,168/-
PH- Meter, 610	12	₹ 65,250/-
Total Amount		₹ **3,91,980.50/-**

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

The institute encourages and provides facilities for students to participate in various extra-curricular activities in order to build team spirit and leadership qualities. A team of faculty members and Director of physical education look after all cultural, sports and extra-curricular activities of the college.

Sports:

The Institute has a playgroundmeasuring 16000sq. m.for playing several sports. A separate Gymnasium facility for students is provided in the college campus. Students are encouraged to play different sports like football, cricket, volleyball, kabaddi, basketball, swimming, and table tennis and lawn tennis. The institute has a physical director to guide students.

NSS:

As per the guidelines of the University, the institute has formed a NSS unit of students. The NSS unit in the college provides a platform for various socially relevant services such as:

- Providing guidance to students studying in the rural areas.
- Creating awareness about the natural disasters such as Tsunami, floods, earthquakes in the student community.
- Participating in various Gram Swachchata Abhiyan Camps.
- Creating social awareness among students.
- Providing a platform for NSS students to showcase their talents through poem recitations and enacting plays with a message for society.
- Spreading awareness about traffic rules and safety measures among staff members and students.
- Having discussions regarding the various challenges faced by the youth.

To carry out all the above activities the college provides financial aid, necessary equipments and transportation facilities for camps.

Cultural Activities:

The Institute has a committee for cultural activities. This committee along with the staff and students of the college organizes an annual cultural function, ALACRITY. This is a national level event and the institute provides all necessary financial assistance and infrastructure facilities like multipurpose hall, open air theatre, public address system, audio visual aids etc. for successful conduction of the event.

Public speaking & communication skills development:

Language lab facility is provided for developing the public speaking and communication skills of the students. Soft Skills sessions are arranged for each class

Yoga, Health and Hygiene:

Every year institute organizes sessions on yoga, which will create awareness among staff members and students. Regular health checkup camps are also organized in the institute by the physical director.

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 MasterPlan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

The institute possesses the infrastructure as per AICTE and University norms. The requirements and availability of infrastructure is reviewed periodically and the infrastructure is optimally enhanced and utilized.

Land Availability

Land Category (Rural / District Head Quarter / State Capital / Metropolitan City)	Area Required as per Land Category (Acres)	Total Area Available (Acres)
Metropolitan City	2.5 Acres	11.32 Acres

Master plan (The floor wise college plan) of Institute:

Refer Annexure-VI (pp 391-398)

The investments in the last four years for enhancing the various infrastructure facilities are as follows:

Items	2014-15 Expensed	2013-14 Expensed	2012-13 Expensed	2010-11 Expensed
Building	₹1,01,22,200	₹68,11,468	₹68,11,468	₹86,61,729
Furniture	₹15,36,928	₹49,86,435	₹28,13,930	₹5,14,309
Equipments	₹89,96,942	₹28,91,925	₹19,83,208	₹21,56,020
Computers and other Software	₹34,32,409	₹56,62,968	₹42,97,999	₹7,16,203
Games and sports/ Student activity	₹ 6,52,143	₹3,80,397	₹3,52,872	₹69,571
Vehicle	0	₹ 1,94,126	₹16,77,736	0
Administrative and other	₹2,33,84,972	₹1,67,29,091	₹90,26,568	₹1,12,60,212
Total	**₹4,81,25,594**	**₹3,76,56,410**	**₹2,69,63,781**	**₹2,33,78,044**

The specialized facilities and equipment for teaching, learning and research etc. are available in each department and cost incurred on major equipments available is as follows:

Sr. No.	Department	Equipment Cost in ₹
1.	Computer Engineering	₹ 10,70,953/-
2.	Electrical Engineering	₹ 40,93,732.65/-

3.	Electronics Engineering	₹ 34,79,822/-
4.	Instrumentation Engineering	₹ 36,71,680.85/-
5.	Electronics & Tele-communication	₹ 28,823,23.50/-
6.	Information Technology	₹ 13,37,800/-
7.	Engineering Science	₹ 11,06,756/-
Total :-		₹ 1,76,43,068/-

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

The Institute ensures that infrastructure facilities are made available for students with physical disabilities. In case of students who are physically disabled efforts are made to conduct their classes and examinations in classrooms near to the lifts or on ground floor. The Institute has a provision of ramp for the physically disabled students. Lift facility is available for such students.

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

- Hostel Facility: Accommodation available for 100 girls and 50 Boys
- A Gymnasium facility is available for students.
- Computer facility including access to internet in hostel: No
- Facilities for medical emergencies: A Clinic with medical practitioner and an attendant is available.
- Library facility in the hostels: No
- Internet and Wi-Fi facility in the campus: Yes
- Recreational facility-common room with audio-visual equipment: Sports equipments for playing indoor games such as Carrom, Badminton and Chess board are available in the campus.
- Available residential facility for the staff and occupancy: One rector is appointed for the girls hostel and is provided with residential facility.
- Constant supply of safe drinking water: Yes.
- Security: The Institute provides 24 hour security. Security guards are present in the Institute's building and for the hostel. CCTV has been installed at strategic locations for security reasons.

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 free medical checkup is arranged for students taking admission in the institute. Each department has first-aid kit to take care of minor injuries. Besides this the society has a medical center with one visiting doctor and an attendant. The staff and students can visit the medical center in case of any health issues.

In case of an emergency the patient is referred to the General Sassoon hospital, Jahangir hospital and Ruby Hall Clinic which are situated at a distance of 0.5 km from the institute.

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.

Dedicated spaces have been allotted to Placement Unit, Counseling and Career Guidance, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, IQAC, Grievance Redressal unit and Women's' Cell.

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, students/user friendly?

Yes. There is a Library Committee with the following composition:

Sr.No.	Name of member	Designation
1.	Dr. P.B.Mane	Chairman
2.	Mrs.P.V.Hirave (Librarian)	Co-ordinator
3.	Mrs. Neha Patil (Comp Dept)	Member
4.	Mrs.S.V.Lohar(E&TC)	Member
5.	Mrs.S.V.Kulkarni (Instru)	Member
6.	Ms.K G Wadikar(FE)	Member
7.	Mrs.Namrata Rao(Elect)	Member
8.	Mr.V.S.More(IT)	Member
9.	Mr.Kunal Ranvir(Elex)	Member
10.	Mrs. M.P.Parulekar (Library)	Member
11.	Mr.P.V.Shinde (Asst. Librarian)	Member
12.	Mr. D.L.Shendge(Asst. Librarian)	Member

Members of the Library Advisory Committee are chosen judiciously to represent all the streams. The committee is actively involved in library schemes that are intended to make the library user friendly.

Initiatives: The following significant initiatives have been implemented:

- Library period is included in the regular timetable for SE to BE classes.
- Orientation programme regarding usage of library for first year and direct second year students is organized.

- Book Bank facility is available in the library for SC/ST scholarship students
- Newspaper and Journals stands in the library provide an access to research, news and other information to the students/readers.
- Newspaper clippings of important technical and non- technical news are archived and made available to students and staff.
- Universitys' previous examination question papers and prescribed Syllabi in all streams are made available to the students for ready reference.
- Online Journals of Science Direct (275Nos), IEEE ASPP (161Nos) Package, ASTM digital library, New Delhi and McGraw Hill database are made available to faculty & students.
- NPTEL Lecture Videos are made available to Faculty & students.
- Library provides institutional membership card of renowned libraries such as ARAI, British Library and Jaykar Library to students and faculty to access their resources.
- The Library staff keeps the Faculty updated regarding its latest acquisition, print Journals issues received in the library.

4.2.2 Provide details of the following
- **Total area of the library (in Sq. Mts): 628.23 sq.m.**
- **Total seating capacity   : 200 users**
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Refer Annexture-VIII (pp 391-398)

Sr.No.	Details	Comments (if any)
1	Total Area of the Library	628.23 Sq. Mts.
2.	Total Seating Capacity	200
3.	Working Hours (Daily)	Monday – Friday : 8:00am to 7:00pm Saturday : 8:00am to 5:00pm
	Before Examination Days	
	During Examination Days	8:00am to 7:00pm
	During Vacations	8:00am to 06:00pm
	National Holidays & Holidays as per SPPU Calendar	CLOSED
4.	Layout of the Library	Plan Attached

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

Suggestions are taken from Library Advisory Committee, Faculty, students and according to the AICTE norms and University Syllabus the library purchase of books is ensured.

The details of amount spent on procuring new books, journals and e-resources during the last four years:

Library Holdings	2014-15		2013-14		2012-13		2011-12	
	Numbers	Total Cost (₹)	Numbers	Total Cost (₹)	Numbers	Total Cost (₹)	Numbers	Total Cost (₹)
Text books	2178	123340	1911	995825	1817	789787	476	195185
Reference books	15	134312	22	172191	47	277318	28	108978
Journals/Periodicals	46	118628	46	Journals 102529 Magzines(for 2 yrs) 8135	36	77212	42	75650
e-resources	4 - databases	1238351	4 - databases	1040582	4 - databases	860189	934690	

4.2.4   Provide details on the ICT and other tools deployed to provide maximum access to the library collection?
- **OPAC (online public access catalog) : Yes**
- **Electronic Resource Management package for e-journals   : Yes**
- **Federated searching tools to search articles in multiple databases : Yes**
- **In-house access to e-publications   : Yes**
- **Library automation   : Yes**
- **Total number of computers for public access : 06**
- **Internet band width/ speed Institutional Repositor : 12mbps**

Sr. No.	Details	Comments (if any)
1.	OPAC (Online Public Access Catalog)	Yes 1 dedicated PC for OPAC purpose To check the availability of book in library. Categorization of book either as reference or general.
2	Electronic Resource Management package for e-journals	Science Direct – 275 e-journals (Current & back dated issues) are available online. IEEE + ASPP - 161 e-journals (Current & back dated issues) are available online. ASTM Digital Library NPTEL Lecture Videos – 120 Videos are available.
3	Federated searching tools to search articles in multiple database	Direct Access to online resources throughstatic IP
4	Library Website	No, but library details are displayed on Institute website.
5	In-house/ remote access to e-publications	Proxy Server
6	Library Automation	Yes SLIM 21 Web OPAC Barcode facility
7	Total number of computers for public access	06 Computers (04 for Digital Library, 2 for OPAC)
9	Internet Bandwidth/ Speed	Total 12 MBPS leased line (Tata Telecommunication Ltd.) Out of this 10 MBPS line is shared by students and staff and office section has 2MBPS
10	Institutional Repository	Project reports are available in respective departments

4.2.5   Provide details on the following items :-
- Average number of walk-ins   : 100 per day
- Average number of books issued/returned   : 200 per day
- Ratio of library books to students enrolled   : 9

- Average number of books added during last three years : 2000 per year
- Average number of login to OPAC(OPAC)   : 10 per day
- Average number of login to e-resources   : 1195
- Average number of e-resources downloaded/printed   : 1000
- Number of information literacy trainings organized   : 4

4.2.6   Give details of specialized services provided by the library

- Reference   : Yes
- Reprography   : Yes
- ILL(Inter Library Loan Service)   : Yes
- Information deployment and notification   : Yes
- Download   : Yes
- In-house/remote access to e-resources   : Yes
- User Orientation and awareness   : Yes
- Assistance in searching Databases   : Yes

4.2.7   Enumerate on the support provided by the Library Staff to the students and faculties of the college.

The facilities in the library are as follows.

- Internet facility.
- Provide ILL support.
- Overnight Issues of Reference Books
- Extra book is issued for 2 days
- Property Corner (readers' belongings)
- Library staff & volunteers to help readers trace books.
- Separate study tables for staff
- Maintaining a peaceful and academic environment
- Support in e-resources searching.
- Availability of old examination University question papers.

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

In case book issue/return and other facilities of the library, these students are given priority and assistance. Their requirement of the books is delivered in person by the library staff.

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

Yes, the library gets the feedback from its users. By using Content Analysis of feedback we are trying for further improvement of the library services. Sample of Feedback form is attached below.

All India Shri Shivaji Memorial Society's
INSTITUTE OF INFORMATION TECHNOLOGY
Central Library
Feed-back Form

We'd appreciate your opinion of how well we are doing. Please complete this form and be as specific as possible (i.e. time, location, staff member). Thank you for your interest and support.

- **Your status:**

  o ☐ Undergraduate
  o ☐ Graduate
  o ☐ Faculty
  o ☐ Staff
  o ☐ Other

- **Your name and address (optional):**
  _____

- **Your e-mail address:**
  _____

- **Your department:**
  _____

- **Would you like a response?**

  o ○ Yes
  o ○ No
- **Library Resources**
  o ☐ Excellent
  o ☐ Good

- ☐ Fair
- ☐ Poor

- **Library Services**

  - ☐ Excellent
  - ☐ Good
  - ☐ Fair
  - ☐ Poor

- **How often do you visit the Library**   Regular/Occasionally/Neve

- **Are the required number of titles in your
  Subject available in the Library**   Yes / No

- **Are you satisfied with the cataloguing and
  Arrangement of books in the Library**   Yes / No

- **Are you satisfied with the available
  Reading space in the Library**   Yes / No

- **Are the Library Staff co-operative and
  helpful**   Yes / No

- **Are you able make use of Xerox facility
  in the Library**   Yes/No

- **Additional comments or suggestions:**

  _____

  _____

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**
- **Any other**

▪ **Number of computers with Configuration (provide actual number with exact configuration of each available system)**

Sr.No.	Configuration	Quantity	Year of Purchase
Department of E&TC			
5	Computer(Acer) **Processor- Intel(R) Core(TM)2DUO CPU E7500@29.3Ghz 2.93 GHz,1.0GB of RAM**	20	2009-10
5	Computer(Lenovo) **Processor- Intel(R) Core(TM)2DUO CPU E7500@29.3GHz 2.9 Hard Disk 300GB**	42	2010-11
5	Computer(Lenovo) **Processor- Intel(R) Core(TM)2DUO CPU E7500@29.3GHz 2.9 Hard Disk 300GB**	15	2013-14
5	Computer(Lenovo) **Processor- Intel(R) Core(TM)2DUO CPU E7500@29.3GHz 2.9 Hard Disk 300GB**	10	2014-15
	Total	87	
Department of Electronics Engineering			
1.	Wipro Desktop PC 1GB DDR2 RAM, 160 GB HDD sata 7200RPM,DVD RW-Drive, Multimedia Keyboard, Optical Mouse,17 TFT monitor, WindowsXP	15	2008

	professional, Service pack2		
2.	Acer Desktop PC Intel Core,CPU8300,2.50LGHZ,2.00GB, DDR-2Ram,64 Bit OS with TFT Monitor, Optical Mouse	10	2010
3.	Minitech Systems Lenovo Intel Core,CPU8300,2.50LGHZ,2.00GB, DDR-2Ram,64 Bit OS with TFT Monitor, Optical Mouse	15	2013
4.	Gen-x InfoTech Systems Lenovo Intel Core,CPU8300,2.50LGHZ,2.00GB, DDR-2Ram,64 Bit OS with TFT Monitor, Optical Mouse	10	2014
	Total	50	
Department of Information Technology			
5.	Acer Veriton M200,G31,CORE 2 QUAD 2.3 GHZ M/B INTEL ORIGIONAL,320 GB HDD SATA,2GB DDR2,18.5" LCD MON. K/B, OPTICAL MOUSE	40	2009
6.	LENOVO Make Intel E7500 Core 2 Duo 2.93 GHz ,2GB DDR-II SDRAM, Extendable upto 8GB, 320GB SAT A HDD, cache memory 3MB L2 cache, DVD R/W drive, 18.5" TFT Display, Multimedia keyboard, Optical Scroll mouse, 10/100/1000 LAN, 56 Kbps PCI Modem, Audio chipset, Realtek AL C888S, Video interface, , OSWindows 7 business along with Paper licenses with starter kit.	65	2010
7.	Lenovo Processor,Core-i3 m/b compatible to I3 Processor.HDD 500GB,DVD RW/W,WITH LENOVO 60abaar 1Np Monitor LT20135 19.5" Wide.	07	2012
Total		112	
Department of Electrical Engineering			
8.	WIPRO Intel(R) Pentium(R) 4CPU 3.00GHz 504 MB OF RAM	7	2008
9.	Lenovo Intel(R)core(TB)2Duo CPU E7300 @2.66GHz 0.99GB RAM	12	2009

10.	IBM Inte (R) Pentium(R) 4 CPU 2.40GHz 256 MB OF RAM	3	
11.	Lenovo Inte(R)Core(TM)2DUO CPU 2,00GB 32-bit Opertig System	6	2011
12.	Lenovo Inte(R)Core (TM) i3-2120 CPU @ 3.30GHz 4.00GB (3.33GB Usable) (Think Center)	17	2013
13.	Lenovo Windows -8 Rating-5.8 Windows .Pro-Intel® Core™ i3-4130 CPU @ 3.40 GHz .RAM - 4.00GB System Type-64Bit.	10	2014
Total		55	
Department of Computer Engineering			
1.	Desktop Computers Lenovo Processors: Core i3 Motherboard: Compatible to core i3 Processor HDD: 500 GB SATA HDD RAM: 4 GB RAM DDR-III Display: 18.5" LED Display Screen DVD RW Drive SMPS with Cabinet Keyboard: Multimedia Keyboard Mouse: Optical Mouse Operating System : Preloaded Windows 8 License Warranty 3 years	31	2013-14
2.	Desktop Computer Lenovo Processors: Core i3 (3.3 MHz 3 MB Cache) Motherboard: Compatible to core i3 Processor HDD: 500 GB SATA HDD RAM: 4 GB RAM DDR-III Display: 18.5"Wide LED Display Screen DVD RW Drive Graphics: Integrated Onboard Graphics Card SMPS with Cabinet Keyboard: Multimedia Keyboard with USB Connector Mouse: Optical Mouse with USB Connector Operating System: Preloaded Windows 7 License with media. Capable for Dual Boot with open source Operating System(Linux	59	2012-13

	or other versions) Antivirus Software: with free antivirus software for One Year		
3.	Server Wipro Net power server with SBS Intel Xeon, min 3.0 Ghz or higher Dual CPU capable, 2MB L2 cache, 2GB expandable 12 GB RAM SCSI controller	01	2006
4.	Wipro Desktop Computer 01.1GB DDR3 RAM 01.1GB DDR3 RAM 160GB HDD SATA:-7200RPM DVD RW Drive Multimedia Keyboard Optical Mouse Professional Service Windows XP Professional Service 17" TFT Monitor	25	2008
5.	LENEVO DESKTOP PC INTEL CORE DUO CPU 2.66GHZ 1014 MB RAM 3MB L2 CACHE 8 USB PORTS G31 CHIPSET With Windows Vista license	58	2009
6.	IBM Netvista,,Pentium IV,2.44Hz with 533 MHz,,40GB HDD, 1.44 MB FDD	5	2003
7.	Wipro silver P4, 30GHz,512MBDDR,80GB 1MB cache,915 Intel chipset	01	2006
8.	Wipro blue white Wipro PC p4 2.66 GHz,845 GE Intel Chipset,533 MHz,1MB cache,250 MB DDR,windows XP	01	2005
9.	Desktop Computers Lenovo Processors: Core i3 Motherboard: Compatible to core i3 Processor HDD: 500 GB SATA HDD RAM: 4 GB RAM DDR-III Display: 19.5" LED Display Screen DVD RW Drive SMPS with Cabinet Keyboard: Multimedia Keyboard Mouse: Optical Mouse Operating System : Preloaded Windows 8 License Warranty 3 years	14	2014-2015
	Total	195	
Department of Instrumentation Engineering			
10.	IBM NETVISTA P-IV,2.4 GHz with 533	01	2003

	MHz,FSB256MBDPR RAM 8454 V Chipset 10/100 mbps		
11.	Wipro P4 Processor Intel P4 3.0 GHz, 512 MB DDR RAM ,80 GB SATA HDD,144 MB,FDD	04	2006
12.	Wipro 1GB DDR 2 RAM,160 GB HDD,DATA 7200 rpm,DVD Rw Drive,Multimedia keyboard,Optical Mouse, 17 Inch TFT Monitor window xp,Professional service Pack-2	07	2008
13.	Lenova 3 MB ,166 MHz,4GB,1333FSB,Graphics, GMA 3100,8 USB Port, 1 GB RAM, 11 Inch LCD Monitor 160 GB ,USB Keyboard & Mouse	03	2009
14.	ACER Veriton M200 G31 Process : core 2 Quard 2.3 GHz CPU Mother board :Intel G31 Hard Disc : 320 GB SATARAM : 2GB	10	2010
15.	LENOVO Intel E7500 Core 2D40 2-93 GHz ,2GB DDRAM ,SDRAM,3MB,DVD R/W,Drive, Display 18.5 Inch TFT ,Display ,Multimedia Keyboard,Optical Mouse	10	2011
16.	LENOVO Processor Core : i3 (3.3 MHz , 3 Mb Cache) Motherboard Compatible to core i3 processor ,HDD:500 GB SATA HAD, RAM: 44 BRAM,DDR-II, Display 18.5 Inch,LED Display screen,DVD R/W drive,Graphics:Integrated onboard graphics cord,SMPS with cabinted	06	2012
17.	Make LENOVO processor core is mother board compatible to core is processor HDD 500 GB DVD RW/W 8P64 with Lenovo 60 ABAAR Inp. Monitor LT 20135 19.5 Inch wide	10	2015
	Total	51	
Library			
18.	Intel (R) Core (TM) i3-4130CPU@3.40GHz, 3.40GHz	6	2011

19.	Intel (R) Core (TM) 2DueCPU E4500@2.20GHz, 2.19 GHz	2	2008
20.	Intel (R) Core (TM) i3-4130CPU@3.40GHz 3.40GHz	2	2014
21.	Total	10	
22.	Intel R(TM) i-3-4130CPU, 3.40GH, 4GBRAM, 64BITS OPERATING SYSTEM	10	2014
23.	INTEL(R) Core (TM) DUO CPU 2.20GHZ, 0.99GB RAM	01	2009
24.	INTEL CORE(TM) i-3 2120CPU 3.30GHZ, 4 GBRAM, 32 BITS.	04	2010
25.	INTEL CORE(TM) i-3 2120CPU 3.30GHZ, 4 GBRAM, 32 BITS.	01	2014
Total		16	
	Total	**575**	

▪   **Computer-student ratio:** 1:4
▪   **Standalone facility:** All computers are connected in LAN.
▪   **LAN facility:** All 575 Machines connected in LAN. 10 Mbps Wired Connection and Separate 2 Mbps Wireless Connection from Tata Teleservices Maharashtra.
▪   **Wi-Fi facility:** Departments having their own Wi-Fi routers for purpose of Practicals which requires Wi-Fi Connectivity and Paid Wi-Fi Facility is present in the Institute from Fire-Fly Service Providers as per Usage. Free wifi facility is provided to all faculty members.
▪   **List of Application, System Software (Licensed software)**

Sr. No.	Software Details	Quantity (No of Users)	Date of Purchase	Unit Cost	Amount
COMPUTER DEPARTMENT					
1	Visual Studio .NET 2003 Media	25	20/09/2005	₹2450/-	₹62667/-
2	Office 2003 Media	2	20/09/2005	₹1958/-	₹5333/-
3	Turbo C++ 4.5	50	16/11/2005	₹1558/-	₹77900/-
4	Windows XP	15	12/10/2006	₹3000/-	₹45000/-
5	Rational Rose	10	12/06/2002	---	₹150000/-
6	Fedora	10	19/10/2006	₹1050/-	₹10500/-
7	Visual Studio 2008	1	18/02/2008	---	₹28924/-

8	Office 2007	5	18/02/2008	---	₹8612/-
9	Windows Vista Business upgrade OLPN Acdme [This paper license come with the Lenovo Make PC's]	80	13/04/2009	---	---
10	Microsoft .Net Software Media	251	19/09/2009	₹4090/-	₹99658.82/-

11	Microsoft campus agreement for
	  1. MS Office
	  2. Visual Studio
	  3. SQL Server
	  4. Windows 2003 Server
		67	19/09/2009	₹5057/-	₹325788.02

12	Turbo C	40	June 2009	₹2327/-	₹96803/-
13	MS Project	1	27/10/2009	₹4154/-	₹4320/-
14	Windows Server 2008	5	17/01/2010	--	Licensed copy free with PC
15	Redhat	11	04/05/2011	---	₹24274/-
16	Oracle 11g	10	18/10/2012	₹17945/-	₹179450/-
	Total				₹1119230/-
E&TC DEPARTMENT					
1	Multisim Version 11	1	10/07/2011	₹329175/-	₹329175/-
	Total				₹329175/-
INSTRUMENTATION DEPARTMENT					
1	LabVIEW	1	23/01/2008	₹2,71,700/-	₹2,71,700/-
	Total				₹2,71,700/-
Library					
1	Slim 21- Library Management Software Version 3.0.0 Catalouging System,Acquisition System ,Serial control System,Web	1	26/06/2012	₹1,30,200/-	₹1,30,200/-

	OPAC				
Engineering Science					
1	ZWCAD	2	05/02/2010	₹165000	₹165000
2	GAUSS VIEW	1	1/05/2014	₹135000	₹135000
	TOTAL				
Electronics					
1	Multisim software	10	20/06/2008	-	₹261820/-
2	Microwing 3.1	15	20/06/2008	-	₹624336/-
3	Matlab	15	16/08/2011	-	₹856557/-
4	Psim	5	24/01/2014	-	₹450240/-
5	C-compiler	5	24/01/2014	-	₹506688/-
6	Xillinx 9.2	1	17/03/2008	-	₹310050/-
	Total				₹3009691/-
Electrical					
1	EDSA Patadin Design Base CE-50Bus	1	09/03/2009	-	₹1,00,000/-
2	PSIM Software	5	26/03/2014	-	₹4,72,752/-
3	C'Compiler	5	26/03/2014	-	₹5,32,022/-
Information technology					
5	Academic Open Value License	77	30/05/2015	₹3500/-	₹2,69500/-
6	Software for language laboratory	19 Student 1 Teaher	27/09/2012	₹11,00,000/-	₹11,00,000/-
7	Oracle 11g	20	9/08/2011	₹17000/-	₹3,40,000/-

- **Number of nodes/computers with Internet facility**
  591 computers are with internet facility.

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

- The Institute provides internet facility via LAN and Wi-Fi to the faculty and students.
- The internet facility is provided to all the computers available in laboratories, administrativeoffice and central library. Computer in the staff cabins are also provided with internet access.
- Institute has subscribed for dedicated lease line connectivity of 10 Mbps.
- Wi-Fi router is installed in each department, providing Wi-Fi enabled campus.

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

The college upgrades the computer systems of the different laboratories as per the requirements of the University syllabus and as per the software installed. The college also upgrades its IT infrastructure as per the norms for additional intake and new courses. The institute has high configuration Computer systems with large storage capability and high speed multicore processors.

Institute always tries to provide the latest technologies with value added education to the students.

The strategy of the Institute is to provide the IT infrastructure to all those entities that require it for carrying out their day to day functionalities.

- The IT Infrastructure is available in all the laboratories of computer and IT department.
- The provision for separate computer lab is made available in all the non IT departments including the Engineering Science Department.
- All the classrooms in the Institute are equipped with LCD projectors, Computers and internet facility.
- Central library has a separate IT infrastructure for the Digital Library.
- Administrative Office, T&P cell, sports department are also equipped with IT infrastructure.
- Computer systems in the staff cabins are also provided with internet access.
- The Institute provides Wi-Fi facility for Staff and final year students for their research and project work.

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)
Allocation of Budget:

Year	Budget allocated
2014-2015	₹67,000,00/-
2013-2014	₹55,000,00/-
2012-2013	₹52,25,000
2011-2012	₹58,37,000

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?

The institute has lease line connectivity of 12 Mbps for internet. All the computer in the laboratories, staff rooms and library are networked which provide internet access to all the students and staff.

Facilities for Faculty members

- All Faculty members make use of ICT resources for preparing their lecture contents with extensive coverage and supportive study materials using the power point presentations.
- All Faculty members download video lectures of the expert and present it to the students in classroom as and when required.
- All the class rooms are well equipped with LCD projectors. All Staff rooms have the facility of computing and internet connections.
- The Institute maintains a data base of objective questions for conduction of mock online exams.
- Faculty members share study materials and resources with students using FTP servers.
- Faculties use computer system for maintenance and analysis of database of various information like student records, academic performance, result analysis etc.

Facilities for Students

- Cloud based Enterprise Resource Planning (ERP) Software for automation of academic and non academic processes is used in the institute to maintain and analyze the data related to various processes of institute.
- Students regularly use computer aided teaching material for preparation of their assignments, seminars, mini projects, and project work.
- Students are also provided with reprographic, scanning, printing and CD writing facilities.

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 center of teaching-learning process and render the role of a facilitator for the teacher.

The institute deploys the learning activities and technologies using computer systems and Internet for the effective conduction and facilitation of efficient teaching learning process. The institution places the student at the center of teaching-learning process and renders the role of a facilitator in the following manner.

1. The Librarian conducts a special session for demonstrating the access and use of following e-Learning resources.
   - ACM digital library
   - IEEE Electronic library
   - ASTM digital library
2. The faculty members demonstrate
   - The use of various system software and application software required for the academic purpose.
   - The online examination ERP for the purpose of university online exam.
   - The basic hardware and networking of computers ,desktop sharing and remote login
   - Downloading of open sourse software and their configurations
   - Downloading of free learning materials like eBooks and PDFs.
   - Creation of blogs and Web Pages
   - Preparation of project reports using software like LaTex
   - Checking of Plagiarism using software Turnitin etc.
   - Installation of various utility software like antivirus and basic formatting and installation of Operating system
   - Conduction of Webinars and Video Conferencing

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?

Currently institute has not availed connectivity of National Knowledge Network but the Institute has the facility of NPTEL video network connectivity.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)

Institute review the requirements of building, furniture, equipments and computer system etc every year. Budget is being allocated from the requirement collected. Below table provides details of budget allocated and expenses done under following items.

	CFY 2014-15		CFY 2013-14		CFY 2012-13		CFY 2011-12	
	Allocated Budget ₹	Utilization of Budget ₹	Allocated Budget ₹	Utilization of Budget ₹	Allocated Budget ₹	Utilization of Budget ₹	Allocated Budget ₹	Utilization of Budget ₹
Building Maintenance	27,24,586	1,01,22,200	27,24,586	68,11,468	29,47,981	68,11,468	29,47,981	86,61,729
Furniture	50,00,000	15,36,928	20,00,000	49,86,435	5,00,000	28,13,930	5,00,000	5,14,309
Equipments	50,00,000	89,96,942	70,00,000	28,91,925	50,00,000	19,83,208	70,00,000	21,56,020
Computer (Hardware and Software)	67,00,000	34,32,409	55,00,000	56,62,968	52,25,000	42,97,999	58,37,000	7,16,203
Total	1,94,24,586	2,40,88,479	1,72,24,586	2,03,52,796	1,81,72,981	1,59,06,605	1,62,84,981	1,20,48,261

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the Infrastructure, facilities and equipment of the college?

Maintenance of the Infrastructure- The institute outsource (provide contract) the maintenance of infrastructure facilities like campus premises, elevator, water cooling and purification system, lawn and housekeeping to external agencies. Institute has centralized committee which supervises and monitors maintenance of infrastructure done by external agencies. Institute also gives yearly contract for pest control.

The Institute has a house keeping supervisor for looking after the maintenance of cleanliness and minor repairs (sanitation, carpentry) required on a day to day basis. Repair and maintenance of civil work is done based on the requirements and complains received from individual departments.

Maintenance of furniture is done by workshop instructor under guidance of workshop superintendent from engineering science department and maintenance of electric appliances is taken care by coordinator from electrical department.

Maintenance of the equipments- The institute has also outsourced the maintenance of lab equipments, computer systems, printers, hardware kit and other lab equipments to external agencies. Lab in charges at department level monitors and supervises maintenance done by external agencies.

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

The institute has high precision equipments like CRO, Power Supply, Function Generator, Digital Multimeter used for implementation of practical assignments. The instrumentation department of the institute has universal calibrator with the help of which instruments like CRO, Power Supply, Function Generator, Multimeter can be calibrated. The equipments are calibrated every year at the end of academic session. Besides this calibration for some equipments has also been carried out by external agencies**.**

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

The major steps taken for location, upkeep and maintenance of sensitive equipment are
- Logbooks, history cards, deadstock registers and break down registers are maintained for sensitive equipments.
- Sensitive equipments are located in safe place of the institute, routine checkup are followed for the sensitive equipments, fire estinguishers are refilled and checked before the expiry date
- AMC is followed for all critical equipments.

Maintenance of academic infrastructure facilities.
- The sanctioned load of MSEB to the institute is 250 kVA with 3-Phase line. In addition institute has own transformer which is of capacity 325 kVA.
- The institute also has diesel generator of capacity 125 kVA .
- UPS of rating 7.5 kVA are also available in all computer labs. UPS of rating 0 .5 kVA has also been given to individual faculty members' PC.
- Institute has water cooler along with purifiers installed at each floors.
- Water for general use Tank Capacity 30000 lit. Usage 15000 lit/day and for drinking water coolers with water Purifiers usage is about 1500 lit/day.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.
Firefighting system
- Firefighting system with fire alarm system is provided.
- Sprinklers system is provided in Basements.
- Fire extinguishers are provided in all laboratories and passages in the department.
- Multiple exits in case of emergency are provided

- Training for firefighting equipment is also given.
- Fire extinguisher sand buckets are mounted in all departments.

Telecom facility is available in each staff room and laboratory for communication inside the campus. Each department has common telephone facility for communicating outside the campus.

Ambience: The Institute is situated in a healthy and good atmospheric location. Infrastructure of the building has good aesthetic look. Academic ambience is enhanced by modern furniture, improved infrastructure & state of the art facilities in classrooms and laboratories. Class rooms and laboratories are designed with sufficient ventilation and light. Dress code for students.

Green cover: Institute is having sufficient plantation and proper landscaping in the campus.

Water harvesting: Institute has water harvesting system which maintains water table to make water abundantly available for usage. The first year engineering students are made aware of rain water harvesting.

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?

The institution publishes the prospectus annually. The copy of the prospectus is given along with the application form to every candidate who applies for programmes of the Institute. Prospectus is also available online on college website.

The prospectus reflects the entire scope of the college profile, starting from a brief history of the Institution, it consists of Vision, Mission and quality policy of college, Programme Educational Objectives of the departments, total intake of UG and PG programmes, information regarding Infrastructure, Laboratory Facilities, Internet Facilities, Result Analysis and Departmental Activities. Information regarding Training & Placement Cell is also included in the prospectus. The students can find information regarding various co-curricular and extra-curricular activities conducted in the institution.

Detail information about every department is also provided along with the students association activities. The institute is committed to the information provided in the prospectus in all respects.

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

The Institute admits students under TFW (Tuition Fee Waiver) scheme of Government of Maharashtra.

Year	Total No Of Students	No. Of Students getting TFWS	Percentage of Students	Total Amount (₹)
2014-15	474	21	4.43%	₹15272671/-
2013-14	438	20	4.56%	₹1388880/-
2012-13	418	21	5.02%	₹1394148/-
2011-12	342	18	5.26%	₹975708/-

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

Scholarships/ free ships are given by state Government of Maharashtra on the basis of parental annual income. Apart from above GATE stipend is provided by AICTE to PG students.

Following are the financial aids available to students from the central government

   a) SC Scholarship
   b) ST Scholarship
   c) Minority Scholarship

Following are the financial aids available to students from the State government

   a) OBC
   b) VJNT
   c) SBC
   d) EBC
   e) Minority Scholarship

A.Y. 2013-14

Scheme	SC		ST		VJNT		OBC		SBC		TOTAL Students	TOTAL (Rs)
	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)		
Scholarship	98	7179702	7	453005	93	6048229	192	6539538	20	1303387	410	21523861
Free ship	65	4287552	4	228925	43	2671219	154	4898328	17	1092097	283	13178121
TOTAL	**163**	**11467254**	**11**	**681930**	**136**	**8719448**	**346**		**37**	**2395484**	**693**	**34701982**

A.Y. 2012-13

Scheme	SC		ST		VJNT		OBC		SBC		TOTAL Students	TOTAL (Rs)
	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)	No. of Students	Amount (Rs)		

Scheme	SC No. of Students	SC Amount (Rs)	ST No. of Students	ST Amount (Rs)	VJNT No. of Students	VJNT Amount (Rs)	OBC No. of Students	OBC Amount (Rs)	SBC No. of Students	SBC Amount (Rs)	TOTAL Students	TOTAL (Rs)
Scholarship	65	3925465	3	1779891	82	4695483	162	4896957	12	691553	324	15989349
Freeship	71	4163189	4	219361	50	2785932	159	4342796	15	859396	299	12370674
TOTAL	**136**	**8088654**	**7**	**1999252**	**132**	**7481415**	**321**	**9239753**	**27**	**1550949**	**623**	**28360023**

A.Y. 2011-12

Scheme	SC No. of Students	SC Amount (Rs)	ST No. of Students	ST Amount (Rs)	VJNT No. of Students	VJNT Amount (Rs)	OBC No. of Students	OBC Amount (Rs)	SBC No. of Students	SBC Amount (Rs)	TOTAL Students	TOTAL (Rs)
Scholarship	65	3703620	4	295852	52	2622309	134	3493919	17	838389	272	10954089
Freeship	50	2602885	3	149536	46	2238627	134	3181051	11	621550	244	8793649
TOTAL	**115**	**6306505**	**7**	**445388**	**98**	**4860936**	**268**	**6674970**	**28**	**1459939**	**516**	**19747738**

A.Y. 2010-11

Scheme	SC No. of Students	SC Amount (Rs)	ST No. of Students	ST Amount (Rs)	VJNT No. of Students	VJNT Amount (Rs)	OBC No. of Students	OBC Amount (Rs)	SBC No. of Students	SBC Amount (Rs)	TOTAL Students	TOTAL (Rs)
Scholarship	30	1398860	2	96824	44	1871528	110	2423341	13	570258	199	6360811
Freeship	35	1587420	5	223506	33	1439450	127	2801301	6	266226	206	6317903

TOTAL	65	2986280	7	320330	77	3310978	237	5224642	19	836484	405	12678714

Summary Of Above Tables

Year	Total No. of Students	Financially Assisted Students	% Financially Assisted Students
2013 - 2014	1827	693	37.93
2012 -2013	1694	623	36.71
2011 - 2012	1581	516	31.81
2010 - 2011	1337	405	30.29

5.1.4   What are the specific support services/ facilities available for
✓ **Students from SC/ ST,OBC and economically weaker sections**
✓ **Students with physical disabilities**
✓ **Overseas students**
✓ **Students to participate in various competitions/ National and International**
✓ **Medical assistance to students: health centre, health insurance etc**
✓ **Organizing coaching classes for competitive exams**
✓ **Skill development (spokenEnglish, computer literacy, etc.)**
✓ **Support for "slow learners"**
✓ **Exposures of students too ther institution of h i g h e r learning/ corporate/ business house etc**
✓ **Publication of student magazines**

1. Students from SC/ST, OBC and economically weaker sections
- The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of admission, these students are provided every possible help to get the Government (State and Central) scholarships.
- **Earn and Learn Scheme:** This scheme is being implemented by the college in association with the University for enabling the socially and economically disadvantaged students to earn small amounts of money by working in various college departments.

2. Students with physical disabilities
College ensures that infrastructure facilities like ramp, lift and wash room meet the requirements of the students with physical disabilities. It is ensured that they don't have any physical obstruction. They are provided front-seats

in the class rooms and comfortable furniture. The supporting staff helps the physically challenged students as and when required.

3. Overseas students

Institute does not have quota for overseas students.

4. Students to participate in various competitions/National and International

Students are encouraged and motivated to participate in extracurricular and co curricular activities such as technical fests, cultural events, and sports events which are organized by reputed institutions such as IITs, NITs, Universities and Government colleges. All necessary support and services are provided by the Institute like financial assistance, Wi-Fi facility and library facility. Faculty members coordinate and ensure that maximum students participate.

5. Medical assistance to students, health centre, health insurance etc.

The institute is availing the facilities of a clinic managed by the AISSM society as and when required. The clinic has provision for 20 beds, a medical practitioner and a fulltime nurse. As per University norms, complete medical check-up is done of all students of college when they get admitted. Well known hospitals (Jahangir Hospital and Ruby Hall Clinic) are at a distance of less than a kilometer from the college and can be approached easily. General medicine and a first aid box are available with every department. The college transport facility is also available in case of emergency.

6. Organizing coaching classes for competitive exams

To prepare students for competing in the GATE examinations faculties provide guidance to the interested students. College also provides infrastructural facilities to organize coaching classes for the same. Study material related to GATE and other competitive examinations is available in the college central library.

Study circle has been started to guide and provide the study material to the students opting for UPSC examinations.

7. Skill development (spoken English, computer literacy, etc.,)

The college identifies students with poor communication skills and provides coaching to improve their skills. The college has a language laboratory to support and encourage students to improve their spoken english. College conducts various seminars, workshops and guest lectures for the students by experts to enhance their skills.

College has a separate cyber area in the library with internet facility and provides Wi-Fi connectivity, which helps students stay updated with new technologies and current affairs. The college has adopted the 50:10 module of teaching where students are encouraged to speak for 10 minutes so as to improve their spoken English.

8. Support for "Slow learners"

The department appoints a GFM who identifies slow learners. A counselor is appointed for every 20 students who provide counseling to slow learners by providing them guidance to improve their academic performance. Remedial classes are also conducted for slow learners.

9. Exposure of students to other Institution of higher learning/ corporate/ business house etc.

The students are given exposure to other Institution of higher learning/corporate/business house by arranging various workshops, seminars and guest lectures by experts from industry and institutes. The college also takes initiative to guide the students for their career, motivate them for higher education & placement in reputed companies by arranging motivational lectures by industry experts. Eminent personalities and industrialists are invited regularly for key note speeches during inauguration of events. The college also arranges industrial visits to leading industries for gaining practical knowledge and exposure to the industrial environment. The students are motivated to participate and present research papers in various national and international conferences organized by various reputed institutes of higher learning.

10. Publication of student Magazine

The Institute publishes a college magazine annually named as "AAYAM". The college encourages students to be a part of the college magazine. The magazine provides a platform for students to showcase their creative talents. Apart from the college magazine each department publishes its newsletter and technical magazine which encourage the students to showcase their literary talent.

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

Institute is in the process of developing an Entrepreneurship Development Cell (EDC) for facilitating entrepreneurialskills, among the students. Currently entrepreneurials kills workshops are arranged every year for the final year students.

The departments of the institute also take special efforts to organize lectures of entrepreneurs to motivate the students.

The Activities organized for Entrepreneurship Development are as follows:

SR. NO	NAME of the Entrepreneur	NAME OF THE COMPANY	ORGANIZING DEPARTMENT	DATE OF CONDUCTION
1.	Mr. Santosh Lalwani	Entrepreneurs International Pune	E&TC	27/03/2014

2.	Dr. Atul Dadhe Mr. Santosh Lalwani	Mitcon, Pune	E&TC	21/09/2011
3.	Mr.Sunil Malkan, Ms. Devyani Nadkarni, Mr. S. Surawase, Mr.S.Rajgopalan, Mr. Subhash Lohokare, Mr. Sharad tandale	Bharatiya Yuva Shakti Trust (BYST)	T & P cell	13/01/2015
4.	Mrs. Hemlata Janjire	Indotech Industrial Solutions Pvt. Ltd., Pune	Electrical Engineering	26/02/2014
5.	Mr. Barure O. N.	Analogic automation Pvt. Ltd., Pune	Electrical Engineering	25/02/2014
6.	Mr.Vijay Deodhar	Janata Sahakari Bank, Pune	Instrumentation	27/07/2010
7.	Mr.D.P.Keskar	MSED Regional officer, Pune	Instrumentation	20/01/2011
8.	Mr.Vinod Gupta	Asst. General Manager, Bank of Maharashtra, Pune	Instrumentation	22/09/2011
9.	Mr.Ravindra Gundawar	Director, Inventive Engineering & Technology, Pune	Instrumentation	29/02/2012
10.	Mr.Rajesh Jagadale	Director, Just Engineering ,Pune	Instrumentation	06/10/2012
11.	Mrs.Manasi Bidkar	MELUX, Pune	Instrumentation	17/07/2013
12.	Mrs.Meghana Hallbhavi	Apx Papierr, Pune	Instrumentation	03/04/2014
13.	Mrs. Sayali Joshi	Head, Aavanira Biotech Pvt. Ltd., Pune &	Instrumentation	17/09/2014

		CEO – Shrishti Eco-Research Institute (SERI), Pune		
14.	Mrs. Sheela Dhariya	ANANT ENTERPRISES, Proprietor, Pune	Instrumentation	26/02/2015
15.	MITCON Entrepreneurship Awareness Camp	MITCON	Electronics	27/02/2012 to 29/02/2012
16.	Mr. Ravi Kulkarni	Shreyash industries	Electronics	23/09/2014
17.	Nitin Kudale (Sachin pawar)	Sunbeam, Pune	E&TC	11/1/2012
18.	Mr. Rajesh Ingale	PICT,Pune	E&TC	28/1/2012
19.	Mrs Snehal Kamble	AISSMS IOM, Pune	E&TC	02/04/2012
20.	Dr. Abhijit Choudhari	MRI & Career guidance	E & TC	05/03/2013

Workshops Organized for Entrepreneurship Development:

Name of Organizer	Date
Maharashtra Chamber of Entrepreneurship Development- Mr Datta Deshkar, Mr Yogiraj Deokar	28/08/2012-30/08/2012
Entrepreneurship and Business Planning- 1)Mr. Sanjay Patankar 2)Ravikumar V Kulkarn	23/09/2014
Entrepreneurship Awareness Camp- AISSMS IOIT in association with EDI- Ahmedabad	16,17,20/09/2013 and 04/10/2013
Entrepreneurship Awareness Program- Department of Science and Technology- GOI	05/01/2015 to 08/01/2015

- **Entrepreneurship Development Institute (EDI) of Ahmedabad has sanctioned a grant of Rs 13500/- for conducting Entrepreneurship Development camp under** Department of Science and Technology (DST) – National Implementing and Monitoring Agency for Training (NIMAT)**.**

The impact of these lectures and workshops is that few of our Alumni have become Entrepreneurs. The details of few are mentioned in the table below:

Impact of Entrepreneurship Development Efforts:

Sr.No.	Name of Alumni as Entrepreneur	Name of startup Company	Domain of business	Name of Department
1.	Mrs. Hemlata Janjire	Indotech industrial solutions pvt. Ltd., pune	Industrial Solutions	Electrical
2.	Prachi Harshe	Harshe Travels, US	Travel	Electrical
3.	Sandip Awthare	AB Batteries,Pune	Industrial Solutions	Electrical
4.	Ranjeet Undre	Maratha Darbar-Hotel	Hospitality	Electrical
5.	Vithal Deokar	Electrical Contractor	Industrial Solutions	Electrical
6.	Mr. Anuj More	Tech Zodiac	Software Development	Information Technology
7.	Mr. Javed Khan	Procraft Engineers	Software and Hardware Solutions	Information Technology
8.	Mr. Harshoday Gade	Occulent Systems	Software Development	Information Technology
9.	Mr. Prateek Patil	Edusys	Software Development	Information Technology
10.	Ms. Swati Owal	Giligant Systems Pvt. Limited,Pimpri,Pune	Web Service Development	Computer Engineering Department
11.	Mr. Faruk Mohammad	WhitePel Software Pvt. Limited, Koregaon Park, Pune	Web designing and Information security	Computer Engineering Department
12.	Mr. Rohit Chuttar	X-Security	Security System Equipment	Electronics Department

5.1.6   Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc

∗   **Additional academic support, flexibility in examinations**

∗ **Special dietary requirements, sports uniform and materials**
∗ **Any other**

The institution is promoting students for participating in various extracurricular activities by ensuring consistent support and motivation. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees arrange and coordinate the extracurricular activities. The institute has instituted several prizes for students showing remarkable performance in extra-curricular activities. These are grandly presented at the hands of an eminent guest on the prize distribution day during the Annual Social Gathering.

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, ATE/ CAT/ GRE/ TOFEL/ GMAT/ Central/ State services, Defense, Civil Services, etc

The Institute motivates its students for higher studies and for appearing competitive exams. Students are allowed to have access to library till late hours for so that they can prepare for competitive examinations. Students are helped by the teachers in matters of study materials and counseling for the right strategies. Academic exemption in attendance is provided to students for such examinations. Students can appear in online examinations using internet facilities at our institute.

Following is the department wise list of students who have appeared and qualified in various competitive exams.

Sr N o.	Department	Academic Year	Number of Students Appeared			Number of Students Qualified		
			GA TE	GR E	IES/UP SC	GA TE	GR E	IES/U PSC
1	Instrumentation	2011-12	-	-	-	-	-	-
		2012-13	37	-	02	13	-	-
		2013-14	45	2	-	-	2	
		2014-15	15	-	-	-	-	-
2	Information Technology	2011-12	12	05	01	02	04	00
		2013-14	13	01	00	00	01	00
		2014-15	14	01	01	01	01	00
3	Computer	2011-12	01	02	-	01	02	-
		2012-13	48	-	-	05	-	-
		2013-14	17	02	-	Nil	02	-
		2014-15	25	05	-	03	05	-
4	Electronics	2011-12	08	-	-	-	-	-
		2012-13	31	02	-	02	02	-

		2013-14	38	07	09	-	07	01
		2014-15	37	07	08	01	07	-
5	Electronics & Telecommunications	2011-12	04	04	0	02	04	0
		2012-13	18	03	0	03	03	0
		2013-14	26	05	0	0	05	0
		2014-15	30	0	1	0	0	0
6	Electrical	2011-12	31	00	-	02	-	-
		2012-13	33	00	-	02	-	-
		2013-14	34	01	01	01	01	-
		2014-15	34	01	04	02	01	-

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

The Institute provides regular counseling services to the students to address the issues related to their academic, personal as well as career awareness.

Academic & career counseling:

Every department allocates 15 to 20 students to the faculty member (counselor) who counsels the allotted students regularly and looks after their academic as well as career related issues.

The institute conducts psychometric test by an external agency for all the first year students. The psychometric tests report is briefed by the counselor to all the students indicating their strengths and weaknesses to cope with their academics. The first year students are also counseled by the GFMs about the scope and nature of the various subjects that form the syllabus. The students are not pressurized in choosing the elective subjects. Students are guided and counseled by GFM and Head of the Department on academic and career prospects.

Personal & psycho-social counseling:

The faculty member acting as a counselor interacts with all the allotted students regularly and tries to identify the personal problems of the students. For this the students are made comfortable by providing a friendly environment so that they can share their personal problems with the counselor. The counselor is very supportive in guiding them to solve their problems. The students some times face inferiority complex due to certain social issues or problems. The counselors try to understand the issue and address the same.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The institute has established a full fledged Training & Placement Department, to encompass various activities from shaping the students to meet the stringent requirements of the Industry, and to make them suitable to excel in the highly competitive business world.

The institute believes that every student who joins the institution deserves to get a potential placement opportunity. The main objective of T & P cell is to motivate and guide students to explore the domains of various career opportunities, entrepreneurship and enhance functional skills by providing industrial training; industry associated projects & enhances employability skills by enhancing aptitude skills, communication skills, GD & PI skills. The placement cell is dedicated to identify probable employers & conduct campus interviews. We also invite experts from industries to guide the students on latest technology, expectations from industries and different career options. T & P cell also acts as information source for opportunity in higher education and their qualifying examinations such as GATE, CAT, and GRE.

Number of students placed in campus interviews is growing year by year. Many companies regularly visit institute for campus recruitment. Our students have been recruited by esteemed companies like: TCS, Oracle, Accenture, Persistent, Cybage, Nihilent Technologies, L&T Infotech, Wipro, SKF, Godrej, Tech Mahindra, Honeywell, Emerson etc.

The structured mechanism of the institute for career guidance and placement of its students is given below

POLICY

1. The Training and Placement Cell respects, "One student one job policy".
2. The companies visiting the campus are divided in the following groups:
   - IT/Software companies (product , service based)
   - Core Companies (Non IT/Software) (Manufacturing, service providers)
3. Companies will be invited and scheduled by the Training and Placement Cell on the basis of the following parameters:
   a) Eligibility criteria, opportunities for all
   b) Job profile and growth prospects.
   c) The package being offered by the company.
   d) Past record of recruitment at AISSMS IOIT.
   e) Feedback from the students regarding the company.
4. If a company prefers to have a common selection process for our institute students along with nearby Engineering institutes, the selection drive is conducted either by our institute or by the other institute after discussion with participating institutes Training & Placement Officer (TPO). If placement drive is conducted in other institute the eligible students are notified about their participation in the placement drive through the TP office.

5. Student withdrawing after being shortlisted by a company at any stage will be debarred from participating in recruitment process of the next 5 companies he/she has applied to and shortlisted.
6. Correct and viable information should be produced in the resume. Any student found violating this rule will be de-registered from the placement.
7. Student misbehaving in any manner with staff of Training and Placement Cell and student representatives will be debarred from Placement.
8. It is compulsory for every interested candidate to attend the pre-placement talk of a company in formals for which he / she has applied otherwise he / she will not be allowed to appear for the placement process of that company.
9. Any issues to be discussed should be forwarded to the respective Placement coordinator of the department and it is his/her responsibility to take it up with the Training and Placement Cell.
10. Training & Placement Cell will try to convince the company to provide opportunities open for as many branches as possible so maximum number of students get benefitted and no objection from any branch / department will be entertained in this regard.
11. If market situation and job scenario necessitates a revision in the Placement Policy, it will be done in a manner so as to maximize the benefit to the student community as a whole.

INSTRUCTIONS TO BE FOLLOWED BY STUDENTS

1. Students must keep their Identity Card with them at the time of PPT/Test/Group Discussion/ Interviews, and produce the same when demanded by visiting team or TP staff or their representatives. Candidates must also always carry 4 copies of their resume and 2 passport size photographs for the GD/ Interview of a company.
2. Students are not allowed to use mobile phones in the vicinity of a company official and also are forbidden to carry the question paper out of the examination hall after the written exam.
3. Students are expected to maintain decorum in all interactions with company officials such as PPT, written exam and so on. Students should reach for PPT/Test/Group Discussion/Interviews on time. Also Students will not be allowed to leave the Hall before the PPT is completely finished. Any student found violating this will be liable to disciplinary action.
4. Student should not contact directly any company official for any purpose. This includes forwarding of resumes for consideration, opportunities of Internships/Dissertations etc. All communication should be channelized through Placement coordinator of Training and Placement Cell.

5. Student should be in contact with the Placement Coordinator of the department. Students are also advised to keep a watch on the TP Notice Boards for updates.
6. Student should not negotiate with a company executive about CTC offered during the course of the selection process. Any student violating this norm will be liable to strict disciplinary action.
7. Students should go through the checklist before appearing for the campus interview.

PLACEMENT PROCEDURE
1. The invitation, containing the relevant information about the college and courses offered by the college, is sent to the companies/organizations through email/post.
2. Companies/organization replies back to the Training and Placement Cell, via email/post stating their requirement and job profile.
3. The information received from company/organization regarding the eligibility and job profile is communicated to all the student by the Training and Placement Cell.
4. Eligible students sign their willingness by registering for the company.
5. Resumes of the interested students (if required) are made available to the companies for the purpose of short listing.
6. The list of short listed students is received by the Training and Placement Cell prior to the campus selection date.
7. Suitable dates for Pre-Placement Talk are decided after discussions between the company and the Training and Placement Cell.
8. After confirmation from the company, students are notified for the Pre-Placement Talk date.
9. The company visits the campus and conducts its Pre-Placement Talk and the selection procedure.
10. The facility of video conferencing at the campus can be availed for the purpose of interviewing candidates in case the company is unable to visit the campus.
11. The company/organization is required to furnish the final list of selected students as soon as possible after the final completion of procedure. The selected students may or may not be allowed to sit in further job interviews as per the placement policy of the institute.

Below is the list of percentageof students selected during campus interviews by different employers.

Sr. No.	Department	Academic Year	Percentage of students got placed during campus interviews
1	Instrumentation	2011-12	15.7%
		2012-13	7.40%
		2013-14	27.9%
		2014-15	9.09%
2	Information Technology	2011-12	--
		2012-13	14.66%
		2013-14	15.25%
		2014-15	36.36%
3	Computer	2011-12	37.5%
		2012-13	37.28%
		2013-14	22.41%
		2014-15	46.66%
4	Electronics	2011-12	25 %
		2012-13	9%
		2013-14	18 %
		2014-15	2 %
5	Electronics & Telecommunications	2011-12	20%
		2012-13	5.08%
		2013-14	8.95%
		2014-15	8.805
6	Electrical	2011-12	24%
		2012-13	16.21%
		2013-14	7.27%
		2014-15	23.18%

Below mentioned is the list of the employers and the programmes for the year 2014-15.

Sr. No	NAME OF THE COMPANY	DEPARTMENT	SALARY OFFERED
1	FLEXTRONIC	ALL BRANCHES	2 Lacs Per Annum (LPA)
2	OPUS SOFTWARE	IT COMP	3.6 LPA
3	FLIPKART	ALL BRANCHES	
4	CARGILL INDIA PRIVATE LIMITED	INSTRUMENTATION ENGINEER	3.75 LPA
5	QUINNOX	IT COMP	1 LPA

6	INDOTECH INDUSTRIAL SOLUTION PVT. LTD.	ALL BRANCHES	
7	TIETO CORPORATION RECRUITMENT DRIVE	CS / IT & E&TC	2.70 LPA
8	SYMPHONY TELECA	ALL BRANCHES	
9	CACHEBOX INDIA PVT LTD	ALL BRANCHES	
10	L&T INFOTECH	BE/BTECH/ME/MTECH/ MCA/BSC/BCS/BCA/MSC /MCS	3.5 LPA
11	IASYS TECHNOLOGIES,	IT, COMP, ELECTRONICS & E&TC	
12	AIR FORCE	ALL BRANCHES	
13	GLOBAL SOURCING GROUP	ANY GRAD	
14	RELYON	FOR TECH SUPPORT(BE / BTECH / MCA), FOR SALES EXEC(BCOM / MCOM)	
15	BRAINSTROM FORCE	BE, MCA	
16	TATA BSS	ANY GRAD	
17	NIIT LTD	BE/BTECH/BCA/BSC IT GRADS FOR TRAINER , FOR REST ANY GRAD	
18	MITHI SOFTWARE TECNOLOGIES	BE/MCM/MCA/BCS	2.25 LPA
19	INFOSYS	ANY GRAD, BE(LESS THAN 60%)	2.82 LPA
20	WINSOL SOLUTIONS LTD	MCA/BE/MCS	
21	IMPACT INFOTECH PVT LTD	ANY GRADUATE	
22	MAGNA INFOTECH	B SC/B COM/BA/BBA/BCA/BBM/ BE/B TECH/MCA	
23	QED BATON	B SC/B COM/BA/BBA/BCA/	2.71 LPA
24	TYKON ENTERPRISE	INSTRUMENTATION	
25	TCS	ALL BRANCHES	3.18 LPA

26	HEWLETT-PACKARD (HP)	ALL BRANCHES	
27	WEBTECH -	IT COMP	
28	ICICI PRUDENTIAL LIFE INSURANCE		
29	PERSISTENT	IT COMP	3.5 LPA
30	CAPGEMNI-2015	IT COMP	2.4 LPA
31	HONEYWELL	COMP,IT,E&TC,ELEX,INSTRU.	4 LPA
33	INDIAN NAVY	ALL BRANCHES	
34	INDIAN ARMY	ALL BRANCHES	
35	INTELIMENT TECHNOLOGIES	COMPUTER/IT	2.40 LPA
36	CYBAGE SOFTWARE PVT. LTD	COMPUTER/ELECTRONICS/E&TC/IT	3 LPA
37	POLARIS FINANCIAL TECHNOLOGY LIMITED	IT/ CSC/ ECE	
38	ECLINICALWORKS	OMPUTER/ELECTRONICS/IT/E&TC	2.2 LACS
39	OSOURCE TECHNOLOGIES PVT. LTD	CS, IT, ELECTRONICS, ELECTRONICS AND TELECOMMUNICATION	1.8 LPA
40	EMERSON RECRUITMENT	INSTRUMENTATION	3.3 LPA
41	ZENSAR TECHNOLOGIES POOL CAMPUS DRIVE	COMP/IT	2.5 LPA
42	ATOS	CS/IT	3.3 LPA
43	MAN DIESEL & TURBO	MECANICAL ELECTRICAL	2.7 LPA
44	POLYCAB WIRES PVT. LTD	ELECTRICAL, ELECTRONICS AND ENTC	
45	IRESEARCH SERVICES	COMP/IT	2.7 LPA
46	STERIA INDIA	COMP/IT	
47	JOB FAIR (33 COMPANY,S)	ALL BRANCHES	
48	HORIZON TELECOM	COMPUTER/IT/ELECTRICAL/ELECTRONICS/E&T	2.5 LPA

		C/INSTRUMENTATION	
49	NAINKO	ELECTRONICS,E&TC,INSTRUMENTATION,ELECTRICAL	
50	ADDTEQ SOFTWARE INDIA PVT. LTD.	COMP/IT	3 LPA
51	BITWISE GLOBAL	COMPUTER/IT	2.5 LPA
52	HARBINGER GROUP	COMPUTER/IT	3 LPA
53	GODREJ & BOYCE		
54	HITACHI	COMP / IT	4.25 LPA
55	NEILSOFT LTD.	ELECTRICAL	2.5 LPA
56	PERSISTENT		2.5 LPA
57	INDIAN ARMY (UES-25 ENTRY)	COMP / IT	2.5 LPA
58	AMAZATIC		3 LPA
59	PRATIBHA JOB FAIR	ALL BRANCHES	1.5 LPA
60	QUINNOX	IT , COMP	2.7 LPA
61	BITWISE SOLUTION PVT. LTD, PUNE	COMP / IT	2.5 LPA
62	NITOR INFOTECH	B.E.& M.E. (COMP/IT)	2.5 LPA
63	VIRTUSA	CS/ IT/ MCA ,	3 LPA
64	MICROLAND LIMITED	BE COMP/IT/E&TC	1.5LPA
65	MARKETS AND MARKETS	PG (ONLY) , ALL BRANCHES,	
66	MINDSCRIPTS	B.E/B.TECH/M.E/M.TECH /M.C.A DEGREE IN ELECTRICAL/ELECTRONICS /E&TC/	2.5 LPA
67	ELITMUS	ALL	2.3 LPA
68	3DPLM SOFTWARE SOLUTIONS, PUNE	BE/BTECH/(CS & IT)	3.5 LPA
69	QUICK HEAL.	BE (CS & IT)	3.5 LPA
70	BITWISE SOLUTION PVT. LTD, PUNE	BE (COMP / IT)	2.5 LPA
71	HELLA INDIA AUTOMOTIVE PVT LTD.	BE E&TC/ ELECTRONICS 2015 BATCH	3.5 LPA
72	GLOBUSSOFT TECHNOLOGIES		2.5 LPA

73	WISDMLABS	ALL	3.5 LPA
74	3DPLM SOFTWARE SOLUTIONS, PUNE	BE/BTECH/(CS & IT)	1.5 LPA
75	NITOR INFOTECH	B.E & M.E COMPUTER/IT	3 LPA
76	QED ENABLED SERVICES,	BE/ ME/MBA/MCA/ BBA/ B SC/ B COM/ B A/ M SC) 2015 & 2014/13/12BATCH	4 LPA
77	LINKEDIN	CS/ IT/ E&TC	16 LPA
78	INTELIMENT TECHNOLOGIES	COMPUTER/IT)	2.4 LPA
79	CAPGEMINI-	BE/B-TECH,ME/M-TECH(ALL STREAMS) ,YR.OF PASSING:-2013/2014/ (2015MCA	2.4 LPA
80	NITOR INFOTECH	CS, IT	2.02 LPA
81	QUICK HEAL TECHNOLOGIES	I.T/CS	3 LPA
82	OPULENT INFOTECH	B.E (MECHANICAL/MECHA NICAL SANDWICH/ ELECTRONICS/E&TC/CO MPUTER/IT/ELECTRICA L/PRODUCTION)	3.6 LPA
83	IBM	COMPUTER	2.75 LPA
84	POLARIS CONSULTING & SERVICES LTD	CS / IT / ECE	
85	GENERAL ELECTRIC	B.E/B.TECH/M.E/M.TECH /PHD	
86	ELITMUS	ALL BRANCHES	2.3 LPA
87	OPULENT INFOTECH		3.6 LPA
88	VERDANTIS	IT	
89	ARBUTUS CONSULTANTS PVT. LTD	ELECTRICAL	
90	DIMENTRIX TECHNOLOGIES	BE COMP, IT, E&TC	2 LPA
91	TATA TELESERVICES	E & TC	2.4 LPA
92	RADISYS INDIA PVT LTD.	IT/COMP	7.2 LPA

93	QUINNOX	COMP/IT	2.7 LPA
94	XL DYNAMICS	ELECT/INSTRU/E&TC/ELEX	3.5 LPA
95	MPHASIS		1.8 LPA
96	VODAFONE	E&TC	4 LPA
97	FLEXTRONICS	ENTC, ELECTRONICS , ELECTRICAL	2 LPA
98	QUINNOX	IT , COMP	2.7 LPA
99	SAMSON CONTROLS PRIVATE LIMITED	INSTRUMENTATION & CONTROL	1.2 LPA
100	AUDIENCE SCIENCE	COMPUTER & IT	3.5 LPA
101	XL DYNAMICS,	ELECT/INSTRU/E&TC/ELEX	3.5 LPA
102	XL DYNAMICS	ELECT/INSTRU/E&TC/ELEX	3.5 LPA
103	G N SOLUTIONS		2.5 LPA
104	ACCELYA KALE SOLUTIONS	CS/IT	3.3 LPA
105	ZS ASSOCIATES		
106	TATA AIA LIFE INSURANCE CO. LTD	ALL BRANCHES	2.5 LPA
107	BENTLEY SYSTEMS		
108	ENTERCOMS, INC.	ALL ENGINEERING BRANCHES	2 LPA
109	MZOS		2.6 LPA
110	QUALITYKIOSK	IT/COMPS/ELECTRONICS/ELECT & TELECOM	2.4 LPA
111	QUINNOX	IT , COMP	2.7 LPA
112	XDBS PVT LTD	ALL BRANCHES	3.5 LPA
113	IT MNC- INNOEYE TECHNOLOGIES	CSE/IT	3 LPA
114	XL DYNAMICS	INSTRU/ELEX/E&TC/ELECTRICAL	3.5 LPA

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

The institute has the grievance redressal cell to redress the grievances of the students. The students approach the cell to voice their grievances regarding academic matters, financial matters, health services, library and other central services.

The Grievance Redressal Cell attempts to address genuine problems and complaints of students whatever be the nature of the problem. Students are encouraged to use the suggestion boxes placed on each department of the institute to express constructive suggestions and grievances. They also approach the members of the cell or any of their other faculties whichever of it is comfortable to them.

Below is the summary of sample suggestions received from the students of Computer Department and the corresponding action taken by the Department.

Sr.No	Problems Observed in Semester	Overall Remark on Corrective Action
1	Understanding of the topics during Microprocessor Architecture lecture	Informed to concerned faculty and extra efforts taken by faculty. Improved faculty feedback at the end of semester.
2	Understanding of the topics during Digital Signal Processing and Application lecture	Informed to concerned faculty and extra efforts taken by faculty. Improved faculty feedback at the end of semester.

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

The institute has a women grievance cell in view to address violence against women employees and girl students. The cell takes necessary steps if the incidents related to sexual harassment require the intervention of the law. The cell is constituted as per the norms of the UGC. Till date no such case of sexual harassment has been reported in the Institute. The institute has a flying squad for continuous vigilance. Strict punishment provisions and vigilance prevents sexual harassment of women employees and girl students.

5.1.12 Is there an anti-ragging committee? How many instances (ifany) have been reported during the last four years and what action has been taken on these?

The Institute has formed the following anti-ragging committee and squad for overseeing the implementation of the provisions of the verdict complying with the Directives of the Hon'ble Supreme Court of India.

Below mentioned is the anti-ragging committee of the institute.

Name	Designation	Address
Dr. P.B.Mane (Principal)	President of the Committee	AISSMS IOIT, Pune.

Mr. Satish Nikam(S.PI.)	Police	Bund garden Police Station , Pune.-01
Hrishikesh Joshi	Media	Principal Correspondet, Business Standard Limited, Shyamkuntal Heights, Ground Floor, Modibaug, Shivajinagar, Pune-05
Shri. Paresh Khadilkar	"Sampark"N.G.O	1, Varad apartments, 212, Yashwant nagar, Talegaon Dabhade,Pune.
Mr. Ganapat Kokane	Parents	Kothrud Depo, Pune.
Prof. Sandeep M. Choudhari	Teaching Staff	Department of Electrical Engg. AISSMS IOIT, Pune.
Mr. Mallav Harshal Janardhan	Residential Citizen	AISSMS College Of Engineering, Pune-411001
Mr. Pratap Narayan Bhosle	Non-Teaching staff	S. No. 3, Vadgaon Sheri, Pune-411014
Ms. Akshay Kokane	Student	Dept: E&TC (TE) AISSMS IOIT, Pune.

Below mentioned is the anti-ragging squad of the institute.

Name	Designation	Address
Dr. P.B.Mane (Principal)	President of the Committee	AISSMS IOIT, Pune.
Prof. M.P.Sardey	Member	HOD E&TC
Dr. D. K. Shedge	Member	HOD Electronics
Dr. Y. P. Patil	Member	HOD First Year
Prof. S. M. Zaware	Member	HOD Computer
Prof. H. P. Chaudhari	Member	HOD Instrumentation
Prof. P. K. Patil	Member	HOD IT
Ms. D. S. Morey	Member	Director of Physical Education

No instances of ragging have been reportedsince the inception of the institute.

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

The institute provides following welfareschemestostudents.
1. **Earn And Learn Scheme**
   This scheme is for the economically weaker students. The students are allotted college work like preparing documentation, data entry, labeling books etc. after college hours and are paid accordingly.
2. **Book Bank Scheme**

The books are made available to the under privileged students from the funds received from state government.

3. **Special Guidance Scheme**
   For the first year students lectures by subject experts are arranged regularly which are funded by the university.

4. **Personality Development for Girls**
   The institute regularly organizes workshops on Personality Development for all the girls of the institute to develop their personalities. These workshops are funded by the university.

5. **Disaster Management**
   The institute takes special interest in organizing Disaster Management workshops for all the students to create awareness amongst them about different disasters which can cause harm to the human life and property. These workshops are also funded by the university.

The details of the grants received from the University for above welfare schemes in the last four years are given below.

Sr. No	Welfare Scheme	Grants Received			
		2011-12	2012-13	2013-14	2014-15
1	Earn and Learn Scheme	₹19000/-	₹119000/-	₹50000/-	₹69595/-
2	Special Guidance Scheme	₹6000/-	₹6000/-	₹6000/-	₹6000/-
3	Personality Development for Girls	₹5000/-	₹5000/-	₹10000/-	₹10000/-
4	Disaster Management Scheme	₹15000/-	₹15000/-	₹25000/-	₹25000/-

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?

The institute has alumni association since 2009. Institute arranges alumni meet every year. From academic year 2014-15 it has been registered officially.

The following table gives the constitution and members of governing body of Alumni Association.

Sr. No	Name	Designation
1.	Dr. Pradeep B. Mane	Principal(Chairman)
2.	Ms Amruta Rane	President
3.	Mr. Sanket Aasarkar	Hon Secretary
4.	Mrs. M.A. Zope	Treasurer
5.	Ms. Shweta Birajdar	Treasurer

6.	Ms. Sameera lagoo	Member
7.	Ms. Shweta Sinha	Member
8.	Ms. Monika Pardeshi	Member
9.	Ms. Aditi Patne	Member
10.	Ms. Manali Nikam	Member
11.	Ms. Yogini Vishwamitra	Member
12.	Ms. Mayuri Sawant	Member
13.	Ms. Prachi Taware	Member
14.	Ms. Swati Gajeshwar	Member

Following table gives details of activities and major contributions for institutional academic development.

Sr. No.	Name of Alumni	Department	Year of passing	Contribution to college development
1.	Milan Singh Thakur		2011-12	Expert lecture on "Open Source Software"
2.	Richa Rajput		2010-11	Expert lecture on " Enterprenurship"
3.	Alisha Shaikh	Computer Engineering	2010-11	Guidance on " German Language"
4.	Sonu Gupta		2012-13	Demonstration of BE project on " stegnography"
5.	Tushar Dudhade		2013-14	Workshop on " Operating system administration"
6.	Kunal Sonawane		2013-14	Expert lecture on " E commerce website like e-bay, flip cart"
7.	Shivram Dega		2009-10	Guidance on " Professional behavior"
8.	Prajakta Thakur	Instrumentation Engineering	2009-10	Expert lecture on " Preparation challenges of UPSC examination"
9.	Rucha Patwardhan		2010-11	Guidance for higher study in abroad
10.	Atharva Upadhye	Electrical Engineering	2011-12	GATE preparation
11.	Shounk Deshmukh		2011-12	MBA entrance preaparation
12.	Vishakha Chandhere		2003-04	Final year project guidance

13.	Munib Shaikh		2010-11	Final year project guidance
14.	Hrushikesh Dhumal	Information Technology	2012-13	Expert lecture on open source cloud Operating System
15.	Tushar Dudhade		2012-13	Workshop on Linux Kernel programming and Networking
16.	Prashant Wakhare		2012-13	Workshop on Latex
17.	Ashish Lodha		2012-13	
18.	Hrushikesh Dhumal		2012-13	
19.	Amit Kulkarni	Electronics &Telecommunications Engg	2013-14	Guidance on vacancies in MNC or Public Sector
20.	Paras Godha		2013-14	
21.	Priyanka Deshpande		2013-14	

5.2   STUDENT PROGRESSION

5.2.1   Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.
Student progression %
UG to PG
PG to M.Phil
PG to Ph.D
Employed
        - Campus selection
        - Other than campus recruitment

Student Progression	Name of the Department	Academic Year (Values in %)			
		2011-12	2012-13	2013-14	2014-15
UG to PG	Instrumentation Engg	3.37%	13.5%	3.07%	7.27
	Information Technology	7.69%	2.66%	5.085	7.57%
	Computer Engg	4.16%	11.86%	18.96%	11.66%
	Electronics Engg	15%	15.15%	38.23%	52.63%
	Electronics &Telecomm Engg	20%	13.53%	7.46%	7.35%
	Electrical Engg	5.2%	17.56%	14.54%	1.44%

Employed-Campus Selection	Instrumentation Engg	15.7%	7.40%	27.9%	23.6%
	Information Technology	21.1%	14.66%	15.25%	36.36%
	Computer Engg	37.5%	37.28%	22.41%	46.66%
	Electronics Engg	4%	3%	2.9%	2.6%
	Electronics &Telecomm Engg	20%	5.08%	8.95%	8.82%
	Electrical Engg	24%	16.21%	7.27%	23.18%
Employed-Other than campus recruitment	Instrumentation Engg	3.37%	18.51%	13.8%	NA
	Information Technology	23.1%	1.33%	3.33%	NA
	Computer Engg	37.5%	8.47%	18.96%	NA
	Electronics Engg	9%	7.55	11.7%	NA
	Electronics &Telecomm Engg	10%	8.47%	0	NA
	Electrical Engg	42%	22.97%	16.36%	NA

From the above table it is observed that the number of students going for higher education has increased from academic year 2012-13. It has also been observed that the placement for Computer and Information Technology branch has gradually increased since academic year 2012-13.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohortwise/batchwise 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.

UG

Sr. No	Academic Year	Name of The Programme	No of Students Appeared	No Of Students passed in distinction	No Of Students passed in First Class	No Of Students passed in Higher	No Of Students passed in Second	No Of Students pass	Percentage of Pass
1	2014-15	Instrumentation Engg	55	22	27	02	00	51	92.72%
		Information Technology	66	17	26	17	03	62	94%
		Computer Engg	74	19	43	10	01	73	99%
		Electronics	76	24	40	10	00	74	97.36%

		Engg						
		Electronics &Telecommunications Engg	68	19	41	07	00	67	98.52%
		Electrical Engg	70	35	30	01	01	67	95.71%
2	2013-14	Instrumentation Engg	64	29	25	05	--	59	92.18%
		Information Technology	69	19	28	07	02	59	85.50%
		Computer Engg	60	09	25	17	02	53	88.33 %
		Electronics Engg	68	15	37	13	03	-	94.11%
		Electronics &Telecommunications Engg	67	19	30	13	01	63	94%
		Electrical Engg	60	19	25	09	02	55	91.66%
3	2012-13	Instrumentation Engg	81	49	25	06	--	80	98.76%
		Information Technology	72	20	43	08	00	71	98.61%
		Computer Engg	71	10	40	09	00	59	83.09%
		Electronics Engg	66	11	30	13	03	-	86.36%
		Electronics &Telecommunications Engg	59	23	32	01	00	57	97%
		Electrical Engg	76	21	38	13	02	74	97.37%
4	2011-12	Instrumentation Engg	52	18	25	06	--	49	94.23%
		Information Technology	53	16	29	06	01	52	98.11%
		Computer Engg	79	17	34	19	03	73	92.40%

		Electronics Engg	49	13	27	05	-	-	91.43%
		Electronics &Telecommunications Engg	41	10	24	02	00	36	90%
		Electrical Engg	60	34	16	05	02	57	95.00%

Note: The PG course ME ELECTRONICS (EMBEDDED & VLSI) and ME ELECTRICAL (POWER SYSTEMS & DRIVES) has been started from the academic year 2014-15 and the results for the final year PG students are yet to be declared.

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

The institute organizes various value addition programs according to the need of the industry. The institute has separate Training and Placement cell which regularly organizes the campus drives for the final year students. . The institute's placement cell is taking constant efforts to enhance student's chances of placement in the company. The emphasis of the placement cell is to create maximum job opportunities for the students in the industry by establishing good relationship with the industry.

The institute arranges the personality and skill development programs to prepare students for competitive examinations such as GATE, GRE, and CAT etc. which enhances their chances of getting qualified in these examinations.

The institute also organizes entrepreneurship awareness camps for the final year students.

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

The Institute provides academic support for the students who are at the risk of failure by following measures.

- Remedial Classes.
- Extra Classes for both theory & practical
- Counseling by the subject teacher
- Retest
- Assignments

The Head of the department and the Principal also do special counseling sessions for the students who are likely to drop out.

5.3   STUDENT PARTICIPATION AND ACTIVITIES

5.3.1   List the range of sports, games, cultural and other extra curricular activities available to students. Provide details of participation and program calendar

To ensure the overall development of the students the institute regularly conducts co-curricular and extracurricular activities. Extracurricular activities in almost all areas are being arranged to mould the students in multidimensional personalities. The institute organizes intercollegiate cultural and technical event like Alacrity wherein students from engineering colleges all over India are invited to exhibit their talents by participating in various competitions like paper presentation, Robotrick, C-saw, and Shot Circuit etc. The institute also participates in Purushottam and Firodiya Karandak (State level Drama Competition) where students get the oppurtinity to prove their art and drama talent. The departments also organize various sports, games, cultural and other extra-curricular activities in the first semester to provide a platform to the new students to showcase their talents.

The sports department helps to promote the sports culture among the students. The efforts taken by the department are shown in the form of achievements in various sports activities at institute level, university level, state level and national level also.

The institute has appointed a dedicated physical director for enhancing the sports activities in the institute. The institute has a well equipped playground having basket ball court (28m* 15m), volley ball court (18m* 9m), kho-kho (27m* 15m), kabbadi (11m* 8m), football ground (360 yard * 160 yard) and cricket ground (70 yard). The institute has made the facilities for indoor games like table tennis, badminton and Chess. The institute has the swimming pool of 10 meter length. The institute also has the facility of common gymnasium with state of the art gym equipments. Above mentioned sports facilities are shared with the sister institutes under the ambit of the AISSM Society.

The detailsofparticipation by students in co-curricular activities (last three years) are as given below.

Sr. No	Department	Total Participation
1	Instrumentation & Control	792
2	Information Technology	454
3	Computer Engineering	387
4	Electronics Engineering	135
5	Electronics & Telecommunication	331
6	Electrical Engineering	415

The detailsofparticipation by students in Extra-curricular activities (last three years) are as given below.

Sr. No	Department	Total Participation
1	Instrumentation & Control	47
2	Information Technology	124
3	Computer Engineering	347
4	Electronics Engineering	75
5	Electronics & Telecommunication	184
6	Electrical Engineering	415

Program calendar for Academic year 2014-15 is as given below.

Sr. No.	Event Details	Name of the staff Events Co- ordinator	Proposed date
SEM –I			
01	Commencement of First Term of Academic Year 2014-2015		12/06/2014
02	Selection for Player	Miss. Deepali Morey	First week of July
03	Medical test for staff	Miss. Deepali Morey	03/07/2014
04	Pune City Zonal Sports Start	Miss. Deepali Morey	25/07/2014
05	Independence Day of India	Miss. Deepali Morey	15/08/2014
06	Sports Day – Inter Dep. Sports	Miss. Deepali Morey	29/08/2014
07	Teacher day – Sports for teacher	Miss. Deepali Morey and FE Department	05/08/2014
08	Purushottam Karandak (State level Drama Competition)	Mr. D. A. Itole	
09	Blood Donation Camp (Engg. day)	Miss. Deepali Morey and FE Department	15/09/2014
10	Medical test for first year students	Miss. Deepali Morey	20/09/2014
11	Guest lecture- Diet	Miss. Deepali Morey	Second week of October

	SEM- II		
12	Commencement of Second term Of Academic Year 2014-2015		
13	Sports week	Miss. Deepali Morey	19/01/2015 to 23/01/2015
14	Republic Day of India	Miss. Deepali Morey	26/01/2015
15	Alacrity (Inter- collegiate sports)	Miss. Deepali Morey and Mr. D. A. Itole	02/02/2015 to 06/02/2015
16	Firodiya karandak (State level Drama Competition)	Mr. D. A. Itole	Feb 2015
17	Blood donation camp (Science day)	Miss. Deepali Morey and FE Department	28/02/2014
18	Women's day	Miss. Deepali Morey	08/03/2015
19	BE send off	Miss. Deepali Morey and Mr. D. A. Itole	06/02/2015
20	World health day	Miss. Deepali Morey	07/04/2015

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?

Academic Year: 2011-12

i)   Paper Presentation/ Design Competition:

Sr. No.	Department	Contest & Venue	Level	Participants	Title of Paper	Date	Awards/ Prizes
1	Electrical	MAE Quest 2011, Maharashtra Academy of Engineering ,Pune.	National	L. Jagdish Rao (BE), Abbas Bohra (TE)	Future Scope for Renewable Energy Sources	15 & 16/09/2011	2nd

2	Electronics	Visvesvara'11 D. Y. Patil I.E.T.,Pimpri	National	Prasad Sandbhor	Visvesvara'11 D. Y. Patil I.E.T.,Pimpri	14 & 15/09/ 2011	1st
3	Electronics	Visvesvara'11 D. Y. Patil I.E.T.,Pimpri	National	Shrinidhi Upadhyay	Visvesvara'11 D. Y. Patil I. E.T.,Pimpri	14 & 15/09/ 2011	1st
4	Computer	ET 2012 AISSMS COE	National	Balkrushan Patil	Techpedia	21 & 22/02/ 2012	1st
5	Computer	Cynosure 2012 Jspm Wagholi	National	Pranav Thube	Techpedia	30 & 31/01/ 2012	3rd
6	Electrical	Nirmaan 2012, Dnyangang a college of Engineering & Research, Pune 41	National	Abbas Bohra (TE), L. Jagdish Rao (BE)	Vartex Induced Vibration	22 & 23/01/ 2011	1st
7	Electrical	Zion 2012, Padmashree Dr. D. Y. Patil Institute of Engg. & Technology , Pimpri, Pune-18	National	Abbas Bohra (TE), Sameer Chalke (TE)	Vartex Induced Vibration	13 & 14/02/ 2011	1st
8	Electrical	Paper Presentation Competition , AISSMS, IOIT, Pune	Department	Avinash Nikam (SE)	Manufactu ring process of capacitor	29/02/ 2012	1st

9	Electrical	Awut 2012, Jawaharlal Nehru College of Engg., Aurangabad	National	Gaurav Kulkarni (BE), Jimit Damania (BE), L. Jagdish Rao (BE)	Harnessing Ocean Wave Energy	24/03/ 2012	1st
10	Electrical	Paper Presentation Competition , AISSMS, IOIT, Pune	Departmental	Ruruka Dhage (TE), Neshu Pandita (TE)	Energy Efficient lifts and Escalators	29/02/ 2012	2nd
11	Electrical	Intechxication 2012, Maeer's Maharashtra Institute of Technology , Pune	National	Amol Manal (TE),	Energy Harvesting from Piezoelectric materials integrated in footwear's	02 & 03/03/ 2012	2nd
12	Engg. Science	Spectrum 2010 PCCOE	National	Dinesh Gauda	Computer Gaming	19/02/ 2012	3rd

ii) Poster Competition:

Sr. No.	Department	Contest & Venue	Level	Participant -ants	Title of Poster	Date	Awards/ Prizes
1.	Electrical	AISSMS, IOITPoster competition	Departmental	Neshu Pandita (TE) Snehal Kor (TE), Priyanka Pawar (TE)	Recent trends in Electrical Engg. Or Future trends	08/08/ 2011	1st

2.	Electrical	AISSMS, IOITPoster competition	Departmental	Nilesh Kotecha (BE) Tushar Bhagwat (BE)	Recent trends in Electrical Engg. Or Future trends	08/08/ 2011	2nd
3.	Electrical	AISSMS, IOITPoster competition	Departmental	Ojas Kulkarni (SE) Kishan Yeole (SE), Tejas Veermani (SE)	Recent trends in Electrical Engg. Or Future trends	08/08/ 2011	Consolatiom
4.	Electronics	D. Y. Patil I.E.T.,Pimpri	National	Prasad Sandbhor Shrinidhi Upadhyay	Visvesvara'11	14 & 15/09/ 2011	1st

iii)   Project Competition:

Sr. No.	Contest & Venue	Level	Participant-ants	Title of Project	Date	Awards/ Prizes
1.	SCADA in Critical Infrastructure AISSMS, IOIT, Pune	Departmental	Mendhe Vicky (BE) Deokar Vitthal (BE) Mohol Amar (BE) Chaudhari Manish(BE) Swapnil Deshmukh (BE)	Fossi Fuel power plant	22/09/ 2011	1st
2.	SCADA in Critical Infrastructure AISSMS, IOIT, Pune	Departmental	L. Jagdish Rao (BE), Kulkarni Gaurav (BE), Jimit Damania (BE), Kavitake Somnath (BE), Kulkarni Amit (BE), Salil Joglekar (BE), Neeraj Kunte (BE)	Water Filtration	22/09/ 2011	2nd

3.	SCADA in Critical Infrastructure AISSMS, IOIT, Pune	Departmental	Chaudhari Deepika (BE) Sawant Dipeeka (BE) Chaudhari Madhuri (BE) Tupshelgaonkar Maithili (BE) Bansod Dhanashree (BE)	Water Purification	22/09/ 2011	3rd
4.	Engineering Today 2012, AISSMS, College of Engineering, Pune	National	Tushar Bhagwat (BE), Nilesh Kotecha (BE), Maithili Tupshelgaokar (BE)	Automated Product Segregation System	21 & 22/02/ 2012	1st
5.	Engineering Today 2012, AISSMS, College of Engineering, Pune	National	Tangade Vikram (TE)	Solar Power Charkha	21 & 22/02/ 2012	1st

c) Extra Curricular Activities:
  i) Sports Competition:

Sr. No.	Contest & Venue	Level	Participant	Date	Awards/ Prizes
1.	Symbiosis Institute of Computer Studies and research	Intercollege	Mandar Govalkar	12/02/2012	1st Prize in basketball
2.	Alacrity, AISSMS IOIT PUNE	Intercollege	Shalaka Hegde	20 to 24/01/ 2012	2nd Prize in basketball
3.	Alacrity, AISSMS IOIT PUNE	Intercollege	Manasi Mantre	20 to 24/01/ 2012	2nd Prize in basketball

4.	Alacrity, AISSMS IOIT PUNE	Intercollege	Yasha Sardey	20 to 24/01/2012	2nd Prize in basketball
5.	Alacrity, AISSMS IOIT PUNE	Intercollege	Punita Repe	31/01/2012 to 03/02/2012	2nd prize in basetball
6.	Zion 2012 DYPIET	National	Rajnishkumar Barniwal	07 to 09/02/2012	1st Prize in pocket tank
7.	NFS Most Wanted Zeal Institute	National	Tejas Honkalse	24/02/2012	Runner Up
8.	AISSMS, IOIT, Pune	Departmental	Siddharth Sabale (BE)	13/01/2012	1st Prize BE Electrical Team
9.	AISSMS, IOIT,Pune	Interdepartmental	Kshitija Kadam (BE)	27/01/2012	1st
10	AISSMS, IOIT,Pune	Interdepartment	Gauri Jadhav (BE)	27/01/2012	2nd
11	AISSMS, IOIT,Pune	Interdepartment	Kshitija Kadam (BE)	27/01/12	3rd
12	AISSMS, IOIT, Pune	Intercolllege	Praveen Ingle (TE), Atharva Upadhye (TE)	2011-2012	1st

13	AISSMS, IOIT Pune	College level	Sanket Asarkar (BE) Manish Chaudhari (BE), Omkar Dhayagude (BE)	2011-12	1st
14	AISSMS, IOIT, Pune	College level	Salil Joglekar (BE), Amit Kulkarni (BE), Neeraj Kunte (BE), Rahul Patil (BE)	2011-12	2nd

ii) Cultural Competition:

Sr. No.	Contest & Venue	Student Name	Date	Awards/ Prizes
1.	Open one act play 2011 Acting of Renuka Bharat Natya Sanshodan Mandir,Pune	Vrushali Sane (Instrumentation)	10/10/2011	Runner Up

Academic Year: 2012-13

i)   Students Academic Activities (2012-2013)

Sr. No.	Names of the Students	Event in which Participated	State/ National/ International Level	Prizes/Medals Won
1	Vishal Bhalerao	Mindspark 12 Ham workshop Quiz 2012, COEP Pune	National	1st
2	Vishnu Mhetre	Mindspark 12 Ham workshop Quiz , COEP Pune	National	2nd

3	Siddhesh Kamble	Mindspark 12 Ham workshop Quiz , COEP Pune	National	3rd
4	Avinash Nikam (TE)	Engineering Today 2013, AISSMS, College of Engineering, Pune	National level	1st
5	Sohan Yadav	Futurium'13 PDEA's COE,Manjari(Bk.),Pune	National level	1st
6	Atul Aphale/Gokul Bondre	Futurium'13 PDEA's COE,Manjari(Bk.),Pune	National level	2nd
7	Sohan Yadav	QUESTOTRONICS Amrutvahini COE,Sangamner	National level	3rd

ii) Technical Activities (project competition)

Sr No.	Name of Participant	Contest	Event	Venue	Date	Level	Awards/ Prizes
1	Vivekanand Aradwad	ICON PPT	PRAGYAA 2013	SSGSIENT NANDED	29 to 31/03/2013	National	2nd
2	Amol Garud	ICON PPT	PRAGYAA 2013	SSGSIENT NANDED	29 to 31/03/2013	National	2nd
3	Ashwini Wargantiwar	ICON PPT	PRAGYAA 2013	SSGSIENT NANDED	29 to 31/03/2013	National	1st
4	Sunil Sonawane	ICON PPT	PRAGYAA 2013	SSGSIENT NANDED	29 to 31/03/2013	National	1st

5	Pratik Tatkare	ICON PPT	PRAGYAA 2013	SSGSIENT NANDED	29 to 31/03/2013	National	1st
6	Nitin Mane	VISION	ALACRITY 2013	AISSMS IOIT,Pune	29 to 31/03/2013	College	1st
7	Jagannath wadgaonkar	VISION	ALACRITY 2013	AISSMS IOIT,Pune	12-15th feb 2013	College	1st

iii)   Students Cultural Activities (2012-2013)

Sr. No.	Names of the Students	Event in which Participated	State/ National/ International Level	Prizes /Medals Won
1	Corp. Fashion Show MES Ness Wadia colg,Pune	Kale Sanket Sanjay kumar	30/01/2013	2nd

iv)   Students Sports Activities (2012-2013)

Sr. No.	Names of the Students	Event in which Participated	State/ National/ International Level	Prizes /Medals Won
01	Praveen Ingle (BE), Ajay Kumar Parhalkar (TE), Anna Kank (SE), Anmol Kumar (SE) Firoz shaikh	Rajveer Tournament	State	Rajveer Trophy 2013
02	Sant Darshan	D. Y. Patil Ambi, Rajveer Trophy	State	Man of the Match, Cricket-2013

Academic Year: 2013-14
i)   Students Academic Activities (2013-2014)

Sr. No.	Names of the Students	Event in which Participated	State/ National/ International Level	Prizes/ Medals Won
1	Pramod Nagare (BE)	Engineering Today 2013 AISSM's college of Engineering, Pune. on 13-15th Sep. 2013	National level Quiz Competition	2nd
2	Tejas Talathi	Eklavya-2K14 D. Y. Patil School of engg. Lohagaon 21.03.14	State Level Project presentation	1st
3	Anil Vishwasrao	Eklavya-2K14 D. Y. Patil School of engg. Lohagaon 21.03.14	State Level Project presentation	1st
4	Omkar Gaikwad	Eklavya-2K14 D. Y. Patil School of engg. Lohagaon 21.03.14	State Level Project presentation	1st
5	Ashay Sagare	Paper presentation 28th Feb to 1sr March 2014	Local	1st
6	Kamran Shaikh	Google whack,at Digital Renaissance 201427th to 28th feb 2014	Local	1st
7	Rutuja Mahadik	Pratibha 14 at Impetus and Concepts 14	National	1st
8	Manali Chati	ProseProwess(Mech domain),in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
9	Adwait Joshi	Atomatic PLC workshop 24th to 28th Feb 2014	Local	2nd
10	Kaivalya Tillu	Robowar in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd

11	Chitanya Karambelekar	Robowar in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
12	Kamran Shaikh	G-Brainy 28th Feb to 1sr March 2014	Local	2nd
13	Aashwini Garud	Poster Presentation 28th Feb to 1sr March 2014	National	2nd
14	Ameya Panchpor	Robowar in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
15	Jitendra Barkale	Robowar in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
16	Prajakta Patil	Circuit Design in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
17	Dhanashree Gosawi	Circuit Design in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
18	Pooja Moharir	Circuit Design in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
19	Supriya Dakhave	Poster Presentation in INNOVATION2K1428th Feb to 1sr March 2014	National	2nd
20	Sumit Kulkarni	Squiz in PACE14	Local	1st
21	Priyanka Khairnar (BE), Sudhir Kupate (BE), Shubham Natani (BE)	Paper presentation Tech Manthan 14, JSPM group of institute, Hadapsar, Pune	National	1st
22	Pratikha Mhaisne(SE), Yamini Sharma (SE)	Paper presentation Enthusia 2013 AISSMS IOIT Pune	Departmental	2nd

23	Shubham Natani (BE), Priyanka Khairnar (BE), Adwait Deshmukh (BE), Ajay Kumar Parhalkar (BE)	Project Competition Alacrity 2014, AISSMS,IOIT, Pune-1	National	3rd
24	Pallavi Jadhav (BE), Komal Deokar (BE), Pramod Nagare (BE)	Paper presentation Electra 14 Sir Visvesvaraya Institute of Technology, Nashik	National	Consolation

ii)   Students Cultural Activities (2013-2014)

Sr. No.	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
1	Vishakha Ranaware (TE)	Mehendi	National	2nd
2	Priyanka Ghongade(BEIT)	Extra-curricular event	State	2nd

iii)   Students Sports Activities (2013-2014)

Branch	Names of the Students	Event in which Participated	State/ National /International Level	Prizes /Medals Won
Electronics	Indranil Patil	Chess	State (Yukti Club)	5.5 Pt.
	Indranil Patil	Chess	State (Disha Foundation)	7.5 Pt.
	Abhishek Kondhare	Chess	National	First Runner up
	Indraneel Patil	Chess	National	3rd
	Indraneel Patil	Chess	National	4th

Electrical	Daware Gajanan (SE),	Carrom	National	1st
	Pratik Shinde (TE), Anna Kank (TE)	Box Cricket	National	1st
	Pratik Shinde (TE), Anna Kank (TE)	Box Cricket	National	1st
	Shubham Panghate (SE)	100 mts. Free style swimming	National	2nd
	Pratik Shinde (TE)	200 Mts. running	National	2nd
	Muqadas Khan Sriram Rajendran (SE)	Relay swimming	National	3rd
	Vidhut Kumar (SE), Sugat Sonawane (SE)	Slow Bike Rac	National	3rd
	Chetan Khonde Santosh Lmbade Sachin ighe Ghuge Samahan (TE)	Kho-Kho	National	3rd
	Anna Kank (TE)	100 Mts.	National	3rd
IT	Darshan Sant	Rajveer Cricket Trophy	State	BEST BATSMAN
	Chinmay Desai	Rajveer Cricket Trophy	State	BEST BOWLER
	Devendra Ghorsad	Rajveer Cricket Trophy	State	MAN OF THE MATCH
	Akshar Urade	Rajveer Cricket Trophy	State	MAN OF THE MATCH
	Priyanka Ghongade	Outstanding Performance in sports	State	1st

Sr. No.	Contest & Venue	Level	Date	Achievements
1	Chess(Boys/Girls) MES COE	Inter-collegiate	02/08/2013	6th
2	Foot-Ball (Boys)University of Pune	Inter-collegiate	13/08/2013	Semi-Final
3	Swimming(Boys)S.P.College	Inter-collegiate	19/08/2013	-
4	Badminton(Boys/Girls)S.P.College	Inter-collegiate	22/08/2013	Semi-Final
5	Cricket(Boys) S.P.College	Inter-collegiate	29/08/2013	Quarter
6	Volley-Ball(Boys)DeccanGym-Khana	Inter-collegiate	02/09/2013	Quarter
7	Basket-Ball(Boys/Girls)Ness Wadia	Inter-collegiate	10/09/2013	Semi-Final
8	Table-Tennis(Boys/Girls) Sddhivinayak college	Inter-collegiate	10/10/2013	Semi-Final
9	Athletics(Boys/Girls)	Inter-collegiate	12/10/2013	5th Rank
10	Judo(Boys)	Inter-collegiate	07/12/2013	-
11	Cricket(Engg.Cup) Nashik	Inter-collegiate	16/01/2014	1st Rank
12	Cricket(Shivaji Trophy) AISSMS COE	Inter-collegiate	29/01/2014	Quarter
13	Cricket Quarter (Melange) VIT College	Inter-collegiate	17/02/2014	Semi-Final
14	Cricket (Rajvir Trophy)D.Y.Patil	Inter-collegiate	04/03/2014	Semi-Final

Academic Year: 2014-15
i)   Students Technical Activities (2014-2015)

Sr. No.	Name of the Students	Event in which Participated	Date	State/National /International Level	Prizes/ Medals Won
1.	Sumeet Ambure	Engineers Today 2014 Technical paper presentation	Dec'14	National level	1st
2.	Nikhil Shendge	Mind Spark	Dec'14	National level	2nd
3.	Amar Wagh, Ganesh Mane Anuja Thube, Shubhangi Vahile Swapnil Shirode, Aishwarya Waikar, Vinaysheel Wagh Omkar Gurav, Omkar Pisal Anand Shende, Piyush Govekar	MINDSPARK-BOT wrestling	Dec'14	National	1st
4.	Agrawal Rahul Durgadas	Technical project competition at EKALAVYA 2015	26 & 27/02/2015	National	2nd
5.	Kale Ganesh R	Technical project competition at EKALAVYA 2015	26 & 27/02/2015	National	2nd
6.	Bagul Yogesh Adhar	Technical project competition at EKALAVYA 2015	26 & 27/02/2015	National	2nd

ii)   **Students Sports Activities (2014-2015)**

Branch	Names of the Students	Event in which Participated	State/National/ International Level	Prizes /Medals Won
Electrical	Shubham Gavhane	Panache- Basketball MKSSS's H.N.I.O.M	National	2nd Prize
Electronics	Arohi Kelapure	Carrom	Inter Departmental	Second
Electronics	Omkar kale	Kalyan karandak, MIT SUMMIT, VIT Melange (Cricket Tournament)	State Level	Runner up
Electronics	Omkar kale	Ubhe Cricket Tournament	State Level	Winner/ Man of the series

Ms. Poonam Shah of TE (E&TC) receiving **Shiv-Chhatrapati award** Shield and Certificate from Maharashtra state Government for excellence in Sports, Diving on 25th April 2011, atthe Hands of **Chief Minister of Maharashtra**

Ms. Poonam Shah of TE (E&TC) **Received 1st Prize in Diving in University of Pune, Pune.**

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to i m p r o v e the performance and quality of the institutional provisions?

1. Student Feedback:

The institute takes feedback from students after their final year results are declared.

Feedback is taken from students and acted upon to improve the teaching learning process and other parameters of the institute. The feedback from students is taken on a prescribed format of feedback about teachers, through suggestion box, and on-line feedback through college website. The detailed analysis of feedback is carried out & scope for improvement is identified.The corrective measures are taken.

Procedure followed for collecting feedback from students

- After the final year result is declared the feed back forms are distributed to the students
- It is the collected and analyzed.
- Feedback analysis report is submitted to HOD.
- HOD then intimates to faculty his weaknesses for further improvement in teaching learning process.
- Principal and Management address issues related to infrastructure, administrative processes, placement activities and others.

2. **Employers Feedback:**

The T&P department collects the feedback from the industry. The suggestions given by graduates, alumni and employers are taken into consideration to set the course objectives whenever required to improve the quality in teaching and learning process.

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 encourages publishing the material in various areas like articles related to nontechnical and technical interest, paintings, poems, photographs, interviews of renowned personalities. The Institute prepares a program calendar for call of articles for the magazine. The circular regarding call of articles is circulated in the class as well as displayed on the departmental notice boards. For active participation of the students in contributing to the college magazine the student's magazine committees are formed. The magazine committee is entrusted with the responsibility of planning, designing, layout, illustration and other related activities for publication of the magazine.

The Institute publishes annual magazine "AAYAM". Apart from this each department publishes departmental newsletter and technical magazine in which students and faculties contribute.

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

The institute has a student council which is formed at the beginning of every academic year in accordance with the norms laid down by University. One class representative from each class will be nominated as a member of Student Council. The Student Council members elect one General Secretary, one Cultural Secretary, one Sports Secretary and one Girl's representative. The members of the committee are elected for a term of one year. Meetings of the Student Council are arranged at least once in each term with Student`s Welfare Officer, discipline and anti-ragging committee. The Student Council aims at the all round development of students and organize several cocurricular and extracurricular events throughout the year in association with the University and other organizations. Student Council also coordinates the student volunteers' effort for the Institute events that are organized periodically. It also provides an opportunity to be a part of activities, motivated by our sense of social responsibility and aimed at giving back to society.

Following is the constitution and members of the Student Council.

S.No	Name	Designation
1.	Dr. P.B.Mane	Chairman
2.	Prof .H.D.Shinde	Member
3.	Porf .S.R.Kokane	NSS officer
4.	Prof.Deepali Morey	Physical director
5.	Mr. Ajinkya Mandhre (BE elex)	General Secretary
6.	Mr. Shripad Kenekar	Sports Secretary
7.	Mr. Akshay Kokane	NSS Head
8.	Ms.Deepika Kulkarni (BE Elec)	Members
9.	Mr.Anurag Patil (TE Elec)	
10.	Mr.Jatin Sharma(SE Elec)	
11.	Mr.Nikhil Kerkar(BE E& TC)	
12.	Mr. Mohit Hirpara(TE E&TC)	
13.	Mr.AdityaMhasawade(SEE&TC)	
14.	Mr. Sharveya Bhise (BE Elex)	
15.	Mr. Mohit Jadhav(TE Elex)	
16.	Mr.Saurabh Patil(SE Elex)	
17.	Mr.GauravDeshmukh (BE Comp)	

18.	Ms.Divya Apte (TE Comp)	
19.	Ms.Harsha Shah(SE Comp)	
20.	Ms.Deesha Solanki (BE IT)	
21.	Mr.Chaitanya Ambedkar (TE IT)	
22.	Ms.Ashwini Gaikwad (SE IT)	
23.	Mr.Pushkaraj Jadhav (BE Instru)	
24.	Mr.Akshay Kokane (TE Instru)	
25.	Mr.Kaushal Pardesi (SE Instru)	
26.	Ms.Sheetal Lendal (BE(Elex.)	Girl's representative
27.	Ms.Mirabai Misal (BE(Elex.)	Girl's representative

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

The details of various academic and administrative bodies that have student representatives on them are as follows.

Sr. No	Academic / Administrative Bodies	Student Representatives (Year 2014-15)
1	Student Council	Mr. Ajinkya Mandhre
2	Cultural committee	Mr. Prathmesh Deshmukh
3	Sports committee	Mr. Shripad Kenekar
4	NSS committee	Mr. Akshay Kokane
5	AAYAM	Mr. Amar Wagh
7	INSATS	Mr. Harshvardhan Khamkar
6	ITSA	Mr. Anuj More
7	CESSA	Mr. Mital Pote
8	ETSA	Mr. Hemant Meshram
9	TEESSA	Mr. Prathmesh Deshmukh
10	EESA	Mr. Udayraj Patil

5.3.7   How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The institute has alumni association since 2009. Institute arranges alumni meet every year. From academic year 2014-15 it has been registered officially. Head of the Departments, Faculty and Staff maintains regular contacts with the Alumni. The Institute has made provision on its website for the alumni registration.

To network and collaborate with the alumni and former faculty the institute regularly invites them to conduct expert lectures, seminars and workshops. The institute invites the alumni for placement talks and entrepreneurship activities.

Any other relevant information regarding Student Support and Progression which the college would like to include.

The institute facilitates the students to get the concession from Railways and local transport bodies for their regular to and fro travelling along with journey concessions during visits to their home towns and industrial tours.

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 institutions distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institutions traditions and value orientations, vision for the future, etc.?

VISION
"To uplift the common masses by rendering value added education"

MISSION
"Empowering Society through dynamic education."

Our institutes distinctive characteristics are satisfied through our mission in the sense that the institute empowers its students to become technocrats, researchers, scientists, administrators and entrepreneurs by inculcating in them professional ethics, leadership qualities, being good team players, social awareness and responsibility. The institute believes in holistic development of students by including value added courses and making the education process dynamic in nature. The institute seeks to improve the students overall skills and hence enhance his/her employability.

6.1.2   What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?
The top management, Principal and faculty are the three important pillars of this institution who play a very significant role in designing, planning, implementing and executing its quality policy**.**
The Principal holds meeting with Heads of the various departments every week. All the decisions, policies and planning to improve the quality are reviewed and discussed in these meeting before implementation. Thus, the Head of the departments, as the representatives of the Faculty, are involved in the institutional decision-making. These decisions and or plans are further reviewed by the Local Managing Committee and the Governing Body, which is a statutory body formed as per the provisions of the University Act.
The representatives of the management are the members of the Managing Committee and Governing Body of the Institute who play the most significant role in designing, implementing and planning its quality policy and their decision is final and binding on all.

6.1.3 What is the involvement of the leadership in ensuring?
- **The policy statements and action plans for fulfillment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The policy statements and action plans for fulfillment of the stated Mission

The Management and the Principal ensure that the institution moves ahead with all the planning, to become one of the renowned institutions. The policy statements and action plans are formulated, after careful consideration of all the stakeholders, by the management. The leadership strives to empower society by providing dynamic education.

The Institute is working continuously to achieve the stated mission in following manner:

- To ensure holistic development of students by providing platform for various curricular, co curricular, extra-curricular and entrepreneurship skill development opportunities.
- To inculcate moral integrity in students and make them socially responsible and good human beings.
- To enhance research culture amongst the faculty and students, by providing latest, research facilities and industry institute interaction.
- To develop leadership qualities and an ability to work in a team, by encouraging the students to participate in various activities.
- To set up a research center recognized by the affiliating University,

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

The action plans for operations are prepared under the supervision and guidance of the Principal and Heads of the departments. Each department has a well-planned academic calendar before the commencement of each semester. This calendar lists down all the curricular, co-curricular and extra-curricular activities and events to be organized throughout the semester. There are committees in the institute, whose responsibility is to plan out developmental activities and ensure their timely execution. Each staff member prepares a lecture plan and content analysis for the subjects allotted to them much before the commencement of each semester.

Interaction with stakeholders

There are frequent interactions with the various stakeholders, such as alumni meets, parent meetings and discussions with employers, so as to take their viewpoints into consideration. This ensures constant communication with the stakeholders.

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

Regular feedbacks are taken from all stakeholders. These are then analyzed for proper planning and implementation.The Heads of the departments review the departmental progress for continuous improvement in consultation with the Principal. Vis a vis the Principal also consults the Management on regular basis. Based on the suggestions and analysis of the feedback given by the stake holders, staff members are suggested to incorporate change and include methods to improve teaching learning process by way of inclusion of guest lectures, training programmes, value added courses, etc. for bridging the gap between academics and industry.

The Institute has also signed MoUs with various companies for providing additional technical training to the students.

Reinforcing the culture of excellence

The Institute believes in striving for excellence in all aspects. The students and staff are encouraged to take initiative to act on opportunities and take responsibilities. With this aim in mind the institute has installed the following awards to motivate and reinforce the culture of excellence:

1. Best Teacher
2. Best Guardian Faculty Member (GFM)
3. Best Class
4. Best Department
5. Best HOD
6. 100% University Result for subject taught
7. Best Outgoing Student
8. Topper of the each Class
9. Subject Topper
10. Best class III, class IV employees

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Champion organizational change

The Institute believes in dynamic change in policy for achieving excellence.

The management proactively decides on issues such as increase in number of branches, additional intake, PG course, research center, permanent affiliation,

infrastructural changes, human resource management, student centric activities etc.

Besides the above major changes the management also takes into consideration the preceding year's performance in terms of academic results, placements, research publications, research grants, quality improvement programmes. The college follows a systematic approach for implementing the required changes to ensure improvement in the performance of the system.

The requirements arising for compliance of the shortcomings in the Institute are conveyed to the management with proper justification and decisions are taken towards its fulfillment.

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?

The procedures adopted by the institute are that:

The heads of various departments conduct weekly meetings with the staff to review the activities of the previous week and plan for the next week. During the weekly meetings with the Heads of the departments, the Principal review the processes and plans of each department. The Local Managing

Committee and Governing Body, which has representatives from the management and the institute, meets twice or thrice in a year in order to have effective implementation of the policies and to monitor and evaluate the same.

Besides this, the various committees are formulated and have a coordinator and members, one from each department. The coordinators in consultation with the Chairman of the committee i.e. Principal and members prepare a plan before the commencement of each semester. These committees meet as per the frequency defined by the institute to monitor and evaluate the policies and plans for effective implementation and improvement from time to time.

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

The top management provides academic leadership to the faculty by guiding the faculty members from time to time. Reviewing of the Self Appraisal of individual faculty and counseling for faculty scoring less than 60% in these Appraisals is done by the top management. Motivation to the faculty members for research and self development in the form of sponsorship, on duty leaves is also provided by the top management.

Further improvements, issues, grievances of the faculty members are addressed through the Local Managing Committee and Governing Body.

6.1.6 How does the college groom leadership at various levels?

All faculty members are involved in each and every activity carried out in the college. The senior staff members are appointed as conveners and coordinators of various committees and are given full responsibility, autonomy and accountability in the allotted work. All staff members are involved in various co curricular and extracurricular activities conducted in the institute. The Institute grooms leadership among the faculty members by giving them opportunities to work as heads of various committees involved in academic, curricular and co-curricular activities.

Apart from this the institute also fosters leadership qualities among its students by providing them opportunities to work in committees for various co curricular and extracurricular activities. This is clearly seen as our students' plan and executes the entire activities of the National level Tech fest–ALACRITY held annually. They also organize and lead various sports events, workshops and seminars.

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

The Institute delegates authority and provides operational autonomy to the departments to work towards decentralized governance system by appointing Office Superintendent, Head of the Departments, Librarian, Training and placement officer, Physical Director, Workshop Superintendent and various committee heads. These office bearers are given full responsibility, autonomy and accountability in the respective areas of their work. The office bearers are encouraged and given financial support to arrange various activities for the benefit of students and faculty.

6.1.8 Does the college promote a culture of participative management? If "yes" indicate the levels of participative management.

The Institute believes in management policies in which employees at all levels are encouraged to contribute ideas towards identifying and setting organizational-goals, problem solving, and other decisions that directly affect achieving the vision and mission of the institute.

The institute understands the importance to human intellect and seeks a strong relationship with their employees and believes that the employees are the facilitators who deal directly with the stake holders to satisfy their needs.

The institute welcomes the innovative ideas, concepts and thoughts from the employees and involves them in decision making process.

The participative management is observed at levels right from class IV to the top 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?

Yes, the Institute has a formally stated quality policy. In order to achieve the vision and mission of the Institute the quality policy has been framed after discussions with the top management, Principal, Heads of the departments and staff members The Institute undertakes various activities to fulfill the quality policies. All the activities are monitored and reviewed by the committees that meet periodically to decide and discuss various quality issues.

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

The Institute has a perspective plan for its development. Keeping in mind previous experiences, stakeholder suggestions and the changing scenario in the field of Engineering, the perspective plan has been designed for the next 10 years by our institute which includes major objectives such as permanent affiliation for all branches, accreditation of all branches, PG course and research centre for all branches, foreign collaborations, establishing centre of excellence and autonomy of Institute,. Under AISSM society, our Secretary, Principal, all Heads along with the local management body have developed the institutional perspective plan. Based on this the institute's academic committee prepares academic calendar which includes list of extracurricular and co curricular activities which are planned for the entire academic year. All department heads include their department activities in the institute academic calendar depending upon the enhancement required for the departments.

6.2.3 Describe the internal organizational structure and decision making processes.

The organizational structure of the society is as mentioned below.

AISSM Society organization chart:

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                    ┌─────────────────┐
                    │   President     │
                    └─────────────────┘
                             │
                    ┌─────────────────┐
                    │     Vice        │
                    │   President     │
                    └─────────────────┘
                             │
                    ┌─────────────────┐
                    │     Hon.        │
                    │   Secretary     │
                    └─────────────────┘
                             │
                    ┌─────────────────┐
                    │     Hon.        │
                    │   Treasurer     │
                    └─────────────────┘
                             │
                    ┌─────────────────┐
                    │   Hon. Joint    │
                    │   Secretary     │
                    └─────────────────┘
                       ┌─────┴─────────┐
              ┌─────────────┐   ┌─────────────┐
              │  Chairman   │   │  Chairman   │
              │             │   │  Managing   │
              │             │   │  Committee  │
              └─────────────┘   └─────────────┘
                     │                 │
         ┌─────────────────┐  ┌──────────────────────┐
         │ 1. AISSMS's     │  │ 2.    3.    4.  ...  15│
         │ Institute of    │  │ All other 14          │
         │ Information     │  │ Institutes * of       │
         │ Technology      │  │ AISSM Society         │
         └─────────────────┘  └──────────────────────┘
```
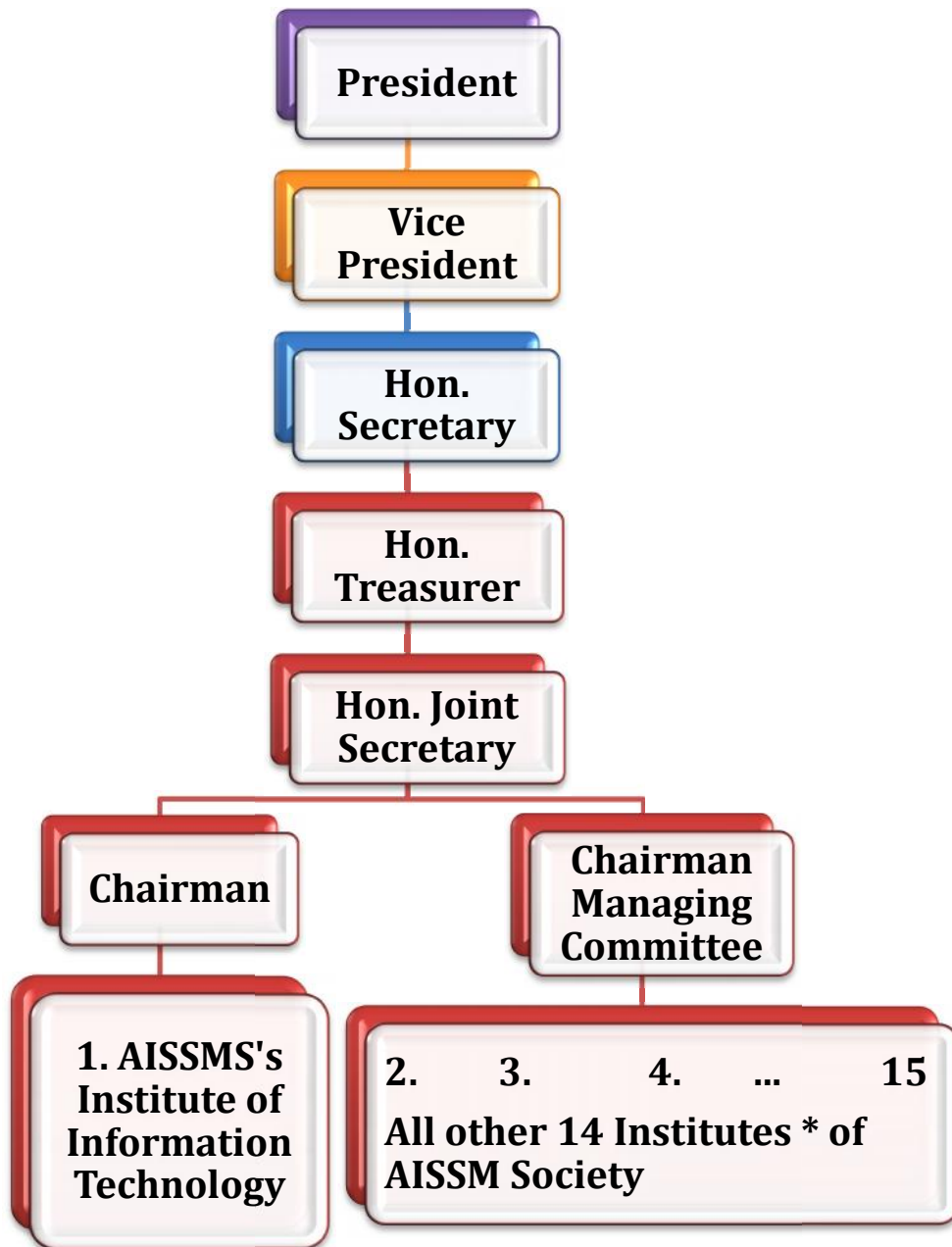
Institute Organizational Chart:

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                    ┌─────────────────────────┐
                    │      AISSM Society       │
                    └─────────────────────────┘
        ┌────────────────────────────────────────────┐
        │   INSTITUTE OF INFORMATION                 │
        │   TECHNOLOGY Pune-41101                     │
        └────────────────────────────────────────────┘
                 ┌────────────────────────┐
                 │   Governing Council     │
                 └────────────────────────┘
                 ┌────────────────────────┐
                 │    Local Managing       │
                 │    Committee            │
                 └────────────────────────┘
                 ┌────────────────────────┐
                 │       Principal         │
                 └────────────────────────┘
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- H.O.D. Electrical Engineering
- H.O.D. E & TC Engineering
- H.O.D. Electronics Engineering
- H.O.D. Computer Engineering
- H.O.D. Information Technology
- H.O.D. Instrumentation Engineering
- H.O.D. First Year Engineering
- Training and Placement Officer
- Physical Director
- Librarian
- Office Suprintendent

The decision making process involves all the stake holders of the organization. The decisions are mainly taken at three levels that is the Top management level, Principal level and Head of the Department based on the depth of the issue to be addressed. Apart from this, the coordinators of various committies are also entrusted to make decisions as per the need of the situation.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following
- **Teaching & Learning**
- **Research & Development**
- **Community engagement**
- **Human resource management**
- **Industry interaction**

Teaching & Learning
The Institute ensures effectiveness of the teaching-learning process by:
- Recruitment of well qualified and experienced staff as per AICTE norms.
- Promoting professional development of faculty by providing support
  - To undergo refresher courses.
  - To pursue doctoral programmes.
  - To attend and organize National and International Seminars/workshops/conferences.
- Implementation of outcome based teaching and learning methodology.
- Course allocation to the faculty much before the commencement of the semester to help them prepare lesson plan and lesson notes.
- Review of the academic results of the previous year
- To bridge the curricular gap, contents beyond the syllabus are taught by the faculty members. also Expert lectures and industrial visits for the same are arranged by staff members.
- Feedbacks from students to assess the teaching skills of the faculty are taken regularly.
- Continuous assessment of students' performance through tests, assignments, seminars and projects. Based on these results counseling of students is carried out.
- Emphasis on imparting skills through laboratory experiments and various skill development programmes.

Research & Development
The objectives of the quality improvement strategies of the institution are as follows:

- To promote research activities among the faculty paper publication in International, National Journals and International, National, state level conferences, seminars, symposiums is encouraged.
- To encourage and guide students by faculty for participation in various conferences, symposiums, seminars, technical events for paper presentation, model making competitions
- To disseminate research findings to the academic community.
- To submit proposals and carry out research and developmental work under various research and financial assistance schemes of funding agencies like AICTE,DST, UGC, University, etc.
- To motivate and support students for developing innovative projects, concepts, models, product development, patents
- To set up \Technical Club" (Project/Model making facility, tool room) with necessary facilities. The students will have free access to work in this club during extended hours
- To arrange technical exhibition, project/model competitions, other technical events, conferences, seminars, etc.
- To develop research facilities to encourage research attitude/aptitude among faculty & students.
- To plan for developing a research center affiliated to University and recognized by agencies as place of work for research.
- To create research and innovation environment and culture in the institute among staff and students. Encourage participation of students in prestigious, technical events such as Techfest (organized every year by IITs, NITs, Govt. Colleges, and renowned institutes).
- To develop and ensure effective utilization of library facilities such as National, International Journals, on-line journals through science direct - AICTE consortium, utilization of library facilities of other associated institutes such as BCL, ARAI, IIT, etc.
- To get professional membership of recognized professional bodies like ISTE, CSI, IEEE, IETE, IEI, CII, MCCIA, etc. for faculty.

Community Engagement
The quality improvement strategies of the institution for community engagement are as follows:
The Institute actively participates in NSS. Students participate in the camps arranged by NSS for promoting community services. Apart from this, the Institute organizes blood donation camp every year.
The institute creates awareness among the local residents about electrical conservation, about advantages of following traffic rules, casting a vote and issues related to health and hygiene by organizing various drives.

Human resource management
The quality improvement strategies of the institution for Human resource management are as follows:
- Selection process as per AICTE and UGC norms.
- Formulation and communication of policies of the institute.
- Support for academic advancement.
- Encouraging and providing related technical and non-technical training.
- Systematic performance based appraisal and its evaluation.
- Promotion policies as per AICTE and UGC norms
- Democratic way of administration with participative management.
- Motivation in the form of rewards for best performance in all fields.

Industry interaction
The quality improvement strategies of the institution for industry interaction are as follows:
- Establishment of Industry-Institute Partnership.
- Organizing Workshops, conferences and symposium with joint participation of the faculty and the industries.
- Arranging visits of staff members to various industries
- Professional consultancy by the faculty to industries.
- Industrial Testing by faculties & technicians at site or in laboratory.
- Visits of faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.
- Visits of industry executives and practicing engineers to the Institute for seeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.

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?
The Head of the institution ensures that adequate information is available for the top management and the stakeholders by sending them Annual report of the institute for review of the activities of the institution. Also confidential reports of all employees are sent. Other than this head of the institute briefs the top management and stakeholders in the LMC meets which are held regularly as well as weekly meeting with the management.

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

The management encourages and supports the staff by engaging them in all institutional processes. All staff members are heads and coordinators of various committees at institute level. Management maintains communication with the staff and is open to their suggestions.

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

The key resolutions made by the Management Council in the last year are:

1. To be recognized as Research centre for Electronics.
2. To apply and get accreditated by National Assessment and Accreditation Council (NAAC) for the institute.
3. To apply and get accreditated by National Board of Accreditation (NBA) for three departments namely E&TC, IT and ComputerEngineering.

The Electronics department has been recognized as a Research Centre for Electronics while SSR and SAR preparations for NAAC and NBA accreditations respectively are in process**.**

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?

The Affiliating University has a provision for according the status of autonomy, as one step in this direction the institute has got permanent affiliation for four departments and has three departments accreditated by National Board of Accreditation (NBA) and also in process of getting accreditation from NAAC.

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 Institute has following committees for hearing grievances/complaints from students, teaching and non-teaching staff.

- Anti-ragging Committee
- Women's Grievance Cell
- Student Grievance Redressal Cell
- Staff Grievance Committee

To make these committees work effectively, the student's grievances are addressed through suggestion box placed in each department and they are also

encouraged to place their complaints or grievances through online feedback available on the college website.

Besides this, feedback is taken through batch counselors, GFMs', Head of the departments, head of Institute and management.

The complaints/grievances received are addressed by the above committees, the nature of complaint /grievances are carefully analyzed so as to satisfy the complainant and promote better stakeholder relationship.

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?

Yes, Prof. Pandurang A. Patil filed a case in Hon. Court, Mumbai vide a Writ Petition No. 5402/2012 regarding Associate Professor Scale without PH.D. qualification. This case is going on and the decision in this case is pending.

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 the institution has a mechanism for analyzing student feedback on institutional performance by collecting feedback from students after completion of his graduation so that they are no biases and the feedback is genuine. These are of two type's viz. "Overall rating of Institute "by student and other is "Alumni feedback". These feedbacks includes all areas such as teaching learning process, institute infrastructure, co curricular, extracurricular, hostel and other facilities.

These feedbacks are analyzed and the shortcomings are conveyed to each department which then takes appropriate measures to improve the same.

6.3   Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

The institute is taking continuous efforts to enhance the professional development of its teaching and non-teaching staff by:

- Motivating faculty to take membership of known technical and professional bodies like ISTE, CSI, IEI, IEEE, etc.
- Providing sponsorships, duty leaves to faculty for attending workshops, seminar, national and international conferences.
- Organizing various faculty development programmes.
- Motivating to carryout testing and consultancy work by giving them a share of the revenue generated.

- Encouragement to undertake research and development activities in the institute.
- Creating conducive atmosphere for developing capabilities and upgrading skills through training to achieve higher quality and excellence.
- Enabling staff to make use of latest equipments through awareness programmes and technical trainings.
- Providing access to Internet, audio-visual aids, software packages for upgrading knowledge and skills.
- Providing well equipped library and learning resources for effective instruction delivery.
- Organizing English Proficiency and communication skill training for selected staff as per need.

6.3.2 What are the strategies adopted by Institute for faculty Empowerment through training, retraining and motivating the employees for the role they perform?

The strategies adopted by Institute for faculty Empowerment through training, retraining and motivating the employees for the role they perform are as follows:

- Creating conducive atmosphere for developing capabilities and upgrading skills through training to achieve higher quality and excellence by organizing various workshops, STTPs and FDPs in the institute.
- Sponsoring the staff to attend various Programmes like National /International conferences, workshops, STTPs and FDPs carried out at various renowned institutes.
- Encouraging to undertake research and development activities in the institute.
- Staff is encouraged to take initiative to act on opportunities and take responsibilities. With this aim in mind the institute has initiated the following awards to motivate and reinforce the culture of excellence:
    1. Best Teacher
    2. Best Guardian Faculty Members (GFMs')
    3. Best Class
    4. Best Department
    5. Best HOD
    6. 100% University Result of the subject taught
- Creating a sense of belongingness amongst faculty members by involving them in various committees.
- The institute has also a performance based appraisal system for the staff.
- Staff is motivated to carryout testing and consultancy work by giving them a share of the revenue generated.

6.3.3 Provide details of performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal?

- The Institute strictly follows all the basic recruitment and promotional policies as stipulated by AICTE, Savitribai Phule Pune University as well as Government of Maharashtra.
- Each and every faculty member completes the self-appraisal procedure every year in the format prescribed by Savitribai Phule Pune University.
- Self-appraisal is done on the basis of the following points:

I.   Teaching learning and evaluation related Performance:-
- Lectures conducted
- Practical Conducted
- Project guided
- Additional knowledge and resources provided
- Examination related work
- Academic Progress Record filling
- Students feedback
- Result analysis

II. Co-curricular, Extension and professional development related activities:-
- Extension/co-curricular
- Professional development related activities
- Contribution to management of Institution.

III. Research, Publications and academic contributions
- Publications–Papers in conference proceedings/ workshops/ seminars/ symposium, etc. and papers in journals, books, articles/ chapters published in books.
- Research Projects and Consultancies: ongoing projects/consultancies and completed projects/ consultancies.
- Research guidance
- Faculty development

IV. Official conduct

V.   Other relevant information

6.3.4 What is 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?

The HOD and the Principal reviews the performance appraisal of all the staff. It is mandatory for all the staff to score 60% in the appraisal. This score is used as one of the tools for regularizing the staff after probation period, deciding the regular

increments and deciding promotions. The award for Best Teacher is also based on this score.

The staff members who score less than 60% are communicated by their respective HODs and a list of such staff members is sent to the management. The management then interacts one to one with these staff members and tries to figure out their problems, difficulties for improving their performance.

6.3.5 What are the welfare schemes available for teaching and nonteaching staff? What Percentage of staff has avail benefit of such scheme in the last four years?

Following welfare schemes are available for teaching and non-teaching staff associated with the Institute.

- Employee Provident Fund (EPF)
- Gratuity is given to all those who retire from the institute.
- GIS (Group Insurance Scheme).
- Permission for higher studies.
- Extended maternity leaves.
- A pair of Uniform is given to Class IV employees every year.
- Need based training Programmes are arranged by the Institute for the faculty.
- Faculty members are permitted to attend training programmes conducted at different institutions.

Percentage of staff availing benefit of such schemes

Facility Available	EPF	Gratuity on retirement	GIS	Permission for Higher Studies
Percentage of staff who have availed the facility	100%	100%	40%	100%

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

The college has been taking efforts to attract and retain, learned people in the college in following ways:

1. The pay scales offered are as per the AICTE norms.
2. The Institute tries to include eminent faculty in the decision making process by inducting him/her to the administrative post.
3. Faculty is encouraged to pursue Ph.D. Programme. The Institute supports them by giving duty leaves for their research activities.
4. Faculty is motivated to carryout testing and consultancy work by giving them a share of the revenue generated.

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?

The Institute has a well-defined procedure to monitor effective and efficient utilization of available **financial** resources for infrastructure development and academic processes. Institute budget is prepared every year after compiling requirement regarding recurring and non-recurring expenditures.

All the major financial transactions are monitored by the Institute's Local managing Committee (LMC) and Governing body (GB) which comprises of the Institute authorities and the Members of the Society. The budget is discussed in the LMC and GB of the institute.The resolutions of the LMC and GB regarding approval for budget is forwarded to the Managing Committee and Governing Council of the society for Final Approval of the budget to be spent during the academic year under various heads.

The society has constituted a separate purchase committee comprising of management members.The purchase procedure such as calling quotations, technical bid, preparing comparative statement, negotitation meetings are followed for effective and efficient use of available financial resources.

In addition to this, the account of each financial year of the Institute is audited by internal and external auditors. Thus the utilization of financial resources is monitored at two tier level.

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.

Internal and external auditors are appointed by the AISSM Society. The internal and external audits are carried out in each half of the financial year.

The last audit for the year 2014-15 has been carried out by internal Auditor in April 2015 and External (Statutory) Audit in May2015.

External Audit Report-
- Balance in current libalities are subject to confirmation, reconcillation and adjusts, if any,required.
- Fixed assets are stated at written down value instead of at gross value and accumulated depreciation.
- Internal control procedure and systems, particularly in respect of purchase transactions, reconciliation of exam fee, and timely settlement of advances have scope for improvement.

The necessary instructions have been given to the concerned for compliance of the remarks given by auditors.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major source of institutional receipts is from the fees of students. Any deficit is managed by taking advance from the parent society. Audited income and expenditure statement are available with office and summary of which is given in the following table.

Audit Report –

Details	CFY 2014-15	CFY-1 2013-14	CFY-2 2012-13	CFY-3 2011-12
Income	₹16,66,30,795	₹12,94,75,463	₹10,84,30,270	₹9,98,91,484
Academic Expenses (salary)	₹10,64,62,222	₹9,10,77,990	₹7,62,60,441	₹5,94,43,103
Administrative Expenses	₹2,40,37,115	₹1,71,19,488	₹93,79,440	₹1,13,29,783

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).
Institute has a process of sending proposals to funding agencies for getting research funds and funds for organizing various seminars, conferences, STTP and FDPs. The Institute has received funds from agencies like University, AICTE, ISTE, CSI, MEDA, and ISRO.
Besides this the Institute also takes efforts to get sponsorships from industries for Undergraduate projects. Every year the Institute has received many sponsored projects.
The Institue also approaches various industries, well known buisnesss houses and organizations for getting sponsorships to organize various cultural and sports events. The Institute has received funding from these external agencies for organizing various cultural fests and sports Competitions.

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 had the Quality Circle Committee since 2009.The institute also has the academic advisory committee from year 2013-14 and from this academic year both the committees are merged and named as Internal Quality Assurance Cell (IQAC).

Internal Quality Assurance Cell (IQAC)

Sr. No.	Name	Designation
1.	Dr.P.B.Mane	Principal
2.	Shri R.K.Jitkar	Joint Secretary, (AISSM Society
3.	Shri P.R.Brahme	Hon. Member,AISSM Society,Industry Associate
4.	Shri N.A.Khanse	Hon.Member,AISSM Society, Industry Associate
5.	All Heads of Dept.	H.O.D.
6.	Mrs.M.S.Vanjale	Head Coordinator (IQAC)
7.	Mrs.S.M.Shaikh	Member
8.	Mrs. S.R.Agarwal	Member
9.	Mrs. S.S.Kadam	Member
10.	Mrs. V.Philip	Member
11.	Ms. N.Nagdeo	Member
12.	Mr. C.N. Aher	Member
13.	Ms. G. D.Salunkhe	Member
14.	Ms.A. A. Rane(Elect)	Alumni
15.	Mrs. Aishwarya Phatak (E&TC)	Alumni

The Institute's quality policy is to provide quality education and enhance student's quality through continuous improvement in teaching learning process.

The Quality Circle (IQAC) is coordinated by a team of dynamic faculty representatives from all the departments. The formation of IQAC is institutionalized through formal office order of the Institute.

The Institute's existing policies on academic and administrative systems in respect of teaching learning , for academic performances, faculty recruitment and training /qualification enhancement, are reviewed and monitored by Quality Circle (IQAC). Quality Circle (IQAC) is responsible for internal quality checks and guide institute for improvement in various institutional processes.

Under the guidance of Quality Circle (IQAC) institute's three department namely Electrical Engineering, Electronics Engineering, and Instrumentation and Control Engineering are accredited by NBA and other three department viz. Computer, IT and E&TC are undergoing accreditation process.

Four departments namely Electrical, Electronics, Computer and Instrumentation Engineering have got permanent affiliation from University (SPPU). The institute has also published the "**Quality Assurance and Standard Operating Procedures Manual" which comprises of the quality policies and standard procedures followed by the institute for attaining and maintaining the quality in all aspects.**

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

All the decisions taken by IQAC are presented to the management by the Principal and after the review by the management the same are implemented.

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

Yes, there are external members in IQAC. All the stakeholders of the institute are involved in IQAC to serve its basic purpose.

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

Alumni give useful suggestions about restructuring of curriculum and industry expectations. Students also share their specific academic and co curricular requirements with IQAC .Students exit survey and Alumni feedback contribute effective inputs to the IQAC.

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

All the heads of the department are members of IQAC. This ensures that all the faculty members of the Institute are involved directly/indirectly in effective functioning of IQAC.

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.

Yes, the institution has an integrated framework for academic and administrative activities which is governed by Local managing Committee (LMC) and Governing Body (GB).Visits, Meetings of LMC and GB members are conducted regularly for review of the same.

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.

Yes, the institution provides training to its staff for effective implementation of the Quality assurance procedures. Institute organize orientation program for the newly recruited staff members to make them aware about the quality assurance procedure of the institute.

The impact of this training program is that the new recruits become aware of the standard procedures followed by the institute and they follow all the quality assurance procedures.

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 academic progress of the institute is being continually monitored by the LMC & GB of the Institute. The Principal conveys the academic progress to the LMC and GB in the regular meetings. The Principal also reviews the academic progress in the weekly meeting with the department heads.The heads of the department also reviews the various academic activities during the weekly departmental meetings and guide the staff members accordingly. Submission of self-appraisal reports and annual activity reports regularly is mandatory for each and every staff member of the Institute.

Academic Monitoring committee of the institute also monitors the proper execution of the academic processes in the institute.

Besides the internal audit, the institute has also undergone the accreditation by National Board of Accreditation (NBA), New Delhi. Three of Our Departments have been accredited and the strengths and weaknesses highlighted by them have helped us to improve the institutional activities. We are now in the process of getting accreditated by National Assesment and Accreditation Council (NAAC)-Bangolore.

The outcome of academic audit has helped the institute to improve teaching quality of the faculty members, quality of the result of the students and their placement.

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

The institute studies the quality assurance norms of university, NAAC, NBA and develops the quality assurance mechanism based on the guidelines provided by these external agencies. Institute develops the mechanism for quality checks and assurance of various academic processes like teaching, learning, research,

industry institute interaction, Infrastructure maintenance and academic audits. IQAC conducts the internal inspection of each department to assure alignment of internal quality based on the criterion of external agencies.

6.5.6. What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- There are various processes /systems opted by the institute for the continuous review of teaching learning process in the institute which are briefly discussed under criterion II.
- Institute has formed various committees and defined their roles and responsibilities for continuous review of teaching learning process.
- The committee which are responsible for continuous review of teaching learning process are academic monitoring committee, examination committee and peer study group committee
- The LMC, GB, Principal and all heads of departments ensure the proper function of each committee for improvements of teaching learning process.

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

The institution communicates its quality assurance policies, mechanisms and outcomes through the Vision, Mission statement, parent meetings, alumni meets and discussions with employers and through the Institute's website and publications.

Institute has also published its Quality Assurance and Standard Opearting Procedures Mannual which contains details of the all the quality assurance policy mechanism and the outcome.

Any Other

The institute is run by the All India Shri Shivaji Memorial Society formed under the Society Registration Act 1860.All India Shri Shivaji Memorial Society was founded by Late Chhatrapti Shri Shahu Maharaj and H.H. Shri Madhavraoji Scindhia in 1917.The Society is dedicated to the noble cause of education in India. Twenty Institutions are under the ambit of the society. The society management is pragmatic and progressive.

At the society level also there is managing committee and governing council, which includes elected members. The election procedure of management committee and council is carried out every five years.The Secretary, Joint Secretary and Treasurer look after the day to day activities of the Society.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1   Environment Consciousness

7.1.1   Does the Institute conduct a Green Audit of its campus and facilities?
The Institute has conducted a green audit recall and many activities are directed towards making the institute's campus eco-friendly.

7.1.2   What are the initiatives taken by the college to make the campus eco-friendly?
∗ **Energy conservation**

The Institute is committed towards energy conservation. The institute has purposely selected five days working model in order to save the energy resources like petrol, diesel, electricity and water. The five days working model has saved 27 % of energy per month.

The Institute is located in the heart of the city with easy accessibility to the main railway station, State Transport and Public Transport stations where more than 20 % of the overall students use this facility.

The architectural design of the Institute's building is such that the class rooms and the laboratories are having sufficient ambient light with enough ventilation that they hardly need artificial lighting and cooling.

Besides this care has been taken while using the electrical wiring and fittings to reduce the electrical consumption. Fans in the institute are fitted with electronic fan regulators which achieves power saving. All the computers in the institute have LCD monitors instead of CRT monitors. Special care has been taken to display information stickers in all classrooms near the switch boards so as to sensitize students about energy conservation.

To save water, sprinkler system is used to irrigate lawns and garden which are maintained in the campus.

∗ **Use of renewable energy**

The Institute has taken initiatives to use renewable energy. The hostels are fitted with solar water heaters.

∗ **Water harvesting**

The institute is having rain waterharvesting system to collect rain water from roof of the building and collect it in the ground to raise the water table content. The bore wells are dug in ground to consume this rain water for irrigating the lawn and the gardens.

∗ **Check dam construction**

Not Applicable

∗ **Efforts for Carbon neutrality**

The institute takes conscious efforts towards Carbon Neutrality. The institute has planted different types of trees in the campus to reduce carbon dioxide from the atmosphere.

The institute has five days working model which has reduced the use of vehicles by approximately 27 % per month which is a step taken towards reducing the carbon emission. Some faculty members go for car pooling to reduce the use of vehicles, also students share their vehicles.

The institute collects Bio waste from trees and plants and converts it into vermicompost instead of burning it by using the vermiculture pit. The compost produced is used as fertilizer for the gardens in the campus.

The institute also promotes paperless communication via emails and SMS to reduce the usage of paper.

The institute has the write off policy for managing the waste paper, e-waste and old furniture. The institute has identified and appointed a vendor for managing these wastes.

* **Plantation**

The Institute has the policy of keeping the campus green and beautiful. The institute has appointed gardeners to maintain the planted trees in the garden and lawns. Besides this the NSS group also plants and maintains the trees as part of their regular activity.

* **Hazardous waste management**

As per the university structure and syllabus all the branches in the institute have only one subject on chemistry in their first year. The chemistry lab has limited quantity of hazardous chemicals which are properly stored and maintained.

Besides this all the toilets and bathrooms waste water lines are directly connected to the municipal drainage system.

* **e-waste management**

The institute has the write off policy for managing the e-waste. The institute has identified and appointed a vendor for managing e-waste.

All the branches using circuits in the institute motivate their students to reuse the electronic components from the e-waste for their mini projects and projects.

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 has introduced many innovations during the last four years which have created a positive impact on the functioning of the institute. The innovations are as listed below.

1. **Teaching methodologies adopted**
   * Teaching Plan

- Course File and Lab manuals
- Defining Course Objectives & their Outcomes
- Mapping of Course Objectives with Outcomes
- Assignments and Tutorials
- Arranging Industrial visits
- Expert lectures
- Workshops and Seminars
- Remedial Classes, Retests
- Bridging the curriculum gap

2. **Innovative Teaching Methods**
   - " Learning by experiencing"
   - 50:10 Model of teaching.
   - Brain storming sessions, like role play, game play, quiz, debate and many more.

3. **Self learning process**
   - Library and Activity Period in the time table schedule.
   - Project laboratories beyond the working hours.
   - Internet facility access after working hours, online E-journal.
   - Participation in paper presentation, project exhibition, programming competitions.
   - Wall Magazine: display of expressions of students.
   - Peer group study and presentations in the class.

4. **Learning beyond syllabus**
   - Industrial visits
   - In-plant Training
   - Expert Lectures from industry persons
   - Additional experiments
   - Weekly activities
   - Mini projects
   - Application Development
   - Workshops
   - Seminars

5. **Remedial classes and additional make up test**
   - Remedial lectures/retests for weak students based on internal continuous assessments as well as university results (before and after examinations) are conducted.
   - Remedial/corrective classes are conducted for the subjects having less than 70% results.
   - Remedial lectures for late admitted students are also arranged for enhancing examination success.

- Make up tests are conducted to help academically weaker students.

6. **Academic Monitoring**

   Academic Monitoring is performed regularly which includes data submission regarding lectures and practical conducted and student attendance.

7. **Student Counseling**

   The institute conducts psychometric test for all the students in the first year along with one to one interaction with the counselor. Besides this the teachers take the responsibility to counsel the students of their class in a batch of 20 students.

8. **Feedback system**
   - Student Feedback
   - Alumni Feedback
   - Industry Feedback
   - Parents Feedback
   - Suggestion Box
   - Faculty Feedback

9. **Technical Clubs**

   The institute has started Technical club to provide a platform for peer learning. Following is the list of Technical clubs.
   - TRRIAC (TEAM FOR RESEARCH IN ROBOTICS INSTRUMENTATION AND CONTROL)
   - ELIXIR Club (Robotics Study Circle)
   - REC (Renewable Energy Club)
   - ARDUINO (Microcontroller)CLUB
   - PLC & SCADA Club

10. **Study Circle For Competitive Exam**

    The institute has started the Study Circle to provide a platform to the students who are interested in appearing for exams like UPSC, MPSC, GATE, GRE, and CAT.

11. **Staff Appraisal**

    The institute had devised its own format for appraising the teaching staff and had appraised the staff based on this format in the A. Y. 2009-10 and 2010-11. Since 2011-12 the institute has started using the Performance Based Appraisal system format prescribed by UGC.

12. **System of rewards**
    - Best Teacher
    - Best Guardian Faculty Members (GFM)
    - Best Class
    - Best Department
    - Best HOD

- 100% University Result of subject taught
- Best Outgoing Student
- Topper of the Class
- Subject Topper
- Best class III, Class IV employees

13. **Sponsorship for Staff**

The institute actively promotes the professional development of its faculty members. Recognizing the need for faculty to keep up-to-date with current trends in their academic and professional areas of study, and for the purpose of continuing personal development, this policy supports faculties to attend relevant conferences and seminars. Sponsorship up to Rs. 3000/- is given to the staff members attending the relevant conference and seminar.

14. **Establishment Of Research And Development Cell**

The R&D policy of the institute is to provide a framework for the development of research culture within the institute, to improve research performance and to achieve high quality outputs.

15. **MOUs With Foreign Institutes And Local Industries**

The institute has placed emphasis on the cultivation of strong links with foreign institutes and local industries for promotion of various educational and industrial activities by the faculty members and students.

16. **Membership Of Professional Bodies**

The institute motivates all the students and staff members to become members of the professional bodies given below.

- IEEE (Institution of Electrical And Electronics Engineers)
- Student Forum of Institute of Electronics and Telecommunication Engineers (IETE)
- Instrument Society of India (ISOI)
- Computer Society of India (CSI)
- The Indian Society For Technical Education (ISTE)
- Student Chapter of Institution of Engineers- IE(I)
- International Society of Automation(ISA)
- Indian Profibus , Profinet Association(IPA)
- Astronomical Society of India (ASI)

17. **Extension Activities-Social Responsibilities**

To make the students aware about the social issues the institute organizes many social events.

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: "**Reward System"
2. **Goal**

    The goal of this practice is to appreciate the work done by the teaching staff, non teaching staff and students of the institute and motivate them to excel in their areas of expertise. This practice would ensure continuous improvement in their performance as per the quality policy to achieve the Vision and Mission of the institute.
3. **The Context**

    The institute believes that a motivated workforce (Staff and students) can be a significant factor in institute's success. When staffs and students are motivated to work at higher levels of their skills and abilities, the institute as a whole runs more efficiently and is more effective at achieving its objectives and goals. For this reason, the institute has understood the power of reward systems and how they are helpful in influencing students' and staffs' behavior.

    Rewards are positive outcomes that are earned as a result of staff's and students' performance and achievement. These rewards are aligned with institute's objectives and goals. When any staff or student helps the institute in the achievement of one of its objectives and goals, a reward often follows.
4. **The Practice**

The institute has constituted the following rewards for its staff and students. The mode of reward is in terms of appreciation certificates and mementos.

I.	Best Teacher
II.	Best Class
III.	Best Guardian Faculty Members (GFM)
IV.	Best Department
V.	Best HOD
VI.	100% University Result
VII.	Best Outgoing Student
VIII.	Topper of the Class
IX.	Subject Topper
X.	Best class III,Class IV employees

Best Teacher Award:

Scientifically designed, faculty evaluation scheme called Performance Based Appraisal System (PBAS) is implemented in the institute. The PBAS consist of 1000 marks, and the teacher who scores the maximum marks is rewarded as Best Teacher of the institute. The faculty concerned will assess him /her on all the

points mentioned as per PBAS format. The PBAS form is verified by HOD and Principal on certain agreed factors. The appraisal system constitutes the following criteria:

Teaching learning process, quality of tests and assignments, student feedback, results of previous three years, participation in professional body activities, staff and student development programs, academic achievements during that year, presentation and publication of papers in the national and international journals, participation of organization in co/extra-curricular activities, contribution in college administration, recognition, rewards received, research and consultation activity, interpersonal skills, mentor activity, loyalty and respect to the college etc.

Best Class Award:

The institute invites applications from all the classes for the Best class award. At the institute level a committee is constituted which consists of the Principal, the coordinator of Quality Circle and senior staff members. The committee evaluates the forms submitted by each class and declares the best FE, SE, TE and BE Class whose score is maximum. The Best Class Award is based on following parameters.

Departmental Results**,** Placements, Total numbers of participants in inter collegiate events, Industrial visits organized, Industrial Training/Professional courses attended/completed by students during vacation period, Training program/workshop, Expert lectures organized, Professional Bodies/Students' association/Students' Chapter, Activities conducted under Professional Bodies/Students' association/Students' Chapter, Social Activities, Performance in competitive exams- GATE,GRE,TOFEL, Projects

Best Guardian Faculty Members (GFM) Award:

The teacher whose class gets the Best Class award is rewarded as Best Guardian Faculty Member (GFM).

Best Department Award:

The institute invites applications from the all the departments for the Best Departmentaward. At the institute level a committee is constituted which consists of the Principal, the coordinator of Quality Circle and senior staff members. The committee evaluates the forms submitted by each departmentand declares the department having maximum score as the Best Department. The Best Department Award is based on following parameters.

Departmental Results, Publications (Paper/Books), STTP,   Conference/ Workshops, Administrative Work, Qualification, Grants/Funds (R & D Projects), Consultancy, Guest Lectures, Industrial Visits, Co-curricular and Extracurricular Activities of Students, Social Activities (Group), Tasks, Departmental Library, Lab Development (Experiment/ Development), Formats, Miscellaneous

Best Head of Department Award:

The Head of Department whose department gets the Best Department Award is rewarded as Best Head of Department.

100% University Result Award:

The staff, whose university result for the subject taught by him/her is 100%, is rewarded as 100% University Result Award.

Best Outgoing Student:

The institute invites applications from the students who wish to apply for the Best Outgoing Student award. Each department based on the application selects one student from their department as Best Outgoing Student of the department. At the institute level all the best outgoing students selected by the department are interviewed by a committee which consists of the Principal, all the Heads of the Departments and the coordinator of Quality Circle. Each department selects the Best Outgoing Student of their department based on following criteria:

Academic details, Co-curricular activities details (During FE to BE), Extra-curricular activities details (During FE to BE), Professional body (Membership Details), Post held if any, Achievements, Social Activities Participation/Achievements, Placement details, Any other information.

The committee constituted at the institute level interviews and selects Best Outgoing Student of the institute based on the following criteria's.

Academic performance, Leadership Quality, Participation in Departmental Activities, Relationship with College Teachers & Colleagues, Attendance in theory, Practical, Participation And Awards in Co-curricular Activities, Participation And Awards in sports and cultural Activities, Overall Personality , General Knowledge, Social Commitments and future plans, Life Targets

Topper of the Class

The student who ranks first in the class in the University examinations is declared as Topper of the Class.

Subject Topper

The student who scores maximum marks in subject is declared as Subject Topper.

Best class III, Class IV employees

Separate formats are designed for class III and class IV employees to reward them. Some common points of the formats are as mentioned.

Number of laboratories allotted, External courses /Training done, Enhancement in qualification during service, Computer literacy, Repair work done in laboratory, New facility created in laboratory, Additional responsibilities assigned and handled at College level, Achievements/prizes /awards at department level, college level, any other, Feed-back from lab in charge and HOD, Maintenance of equipments, record keeping, presentation, Human qualities- Nature, general behavior, cleaning record etc.

The employee who scores maximum marks based on the above criteria is rewarded as Best class III, Class IV employee.

5. **Evidence of Success**

    The Reward System has led towards improving the teaching learning process which has accounted for students being in the University ranker list and the overall academic results being above 80%. The number of industry sponsored projects is 30 % which has improved the project quality and strengthen the industry- institute relationship. The average number of industrial visits organized every year by the institute is 30 which further fortify the bond between industry and institute. Due to proper guidance from staff members students are encouraged to participate in project and paper presentation competitions which has increased the number of awards received.

    Number of social events or activities organized and executed individually and as a group has increased manifolds. All staff and students have subscribed the membership of professional bodies which have led to increase in professional body activities and thus received awards from IETE and CSI. Participation by staff and students in co/extra-curricular activities has increased substantially as a result of which the institute has received many awards in the intercollegiate competitions.

    The teaching staff members have started publishing research articles in journals and writing text books. Nearly 40% of the staff have publications in their names. Nine research proposals have got funding from university and other agencies. All staff members organize and attend FDPs, workshops, conferences, seminars and STTPS.

    Due to reward system there is a healthy competitive environment in the institute.

6. **Problems Encountered and Resources Required**

    The institute had various constraints while deciding the different factors for the reward system and had to take care that it was implemented flawlessly and transparently. The main hurdle was deciding proper rules which would be uniform, justified and binding to all. Also the evaluation of these rules had to be done neutrally by the head of the department and Principal.

    The other main problem encountered was that of providing monetary rewards, being a self financed institute we only provide intrinsic rewards.

7. **Notes (Optional)**

8. **Contact Details**

    Name of the Principal: Dr. Pradip B. Mane

    Name of the Institution: All India Shri Shivaji Memorial Society's Institute of Information Technology.

    City: Pune

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Accredited Status: In Process
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1. **Title of the Practice: "Industry Institute Interaction**"
2. **Goal**
   The goal of this practice is to build up strong industry institute interaction, so as to increase the students' practical exposure, increase employability and groom students' overall personality. This practice would ensure a good placement, motivation for research and higher studies and also boost their confidence.
3. **The Context**
   To keep in pace with the technological advances and to bridge the curriculum gap between the industry and institute this practice was introduced in the institute. Need of the hour is for academia to identify, understand and provide solutions for problems faced by the industry and to train the students to tackle the same.
4. **The Practice**
   The institute has placed emphasis on the cultivation of strong links with industry and promotion of various industrial activities by the faculty members and students. This will have great bearing on the Engineering Curriculum, exposure of industrial atmosphere to engineering students and faculty and subsequent placement of young graduating engineers in industries across the country.
   To promote Industry Institute Interaction following programs are initiated
   - **Establishment of Industry-Institute Partnership and Signing of Memorandum of Understanding (MOU) with the Industries for projects, trainings/ internship, visits, testing, consultancy, expert lecture**
   The institute has signed MOUs with 17 industries in various technological areas like Electrical, Electronics, Computer, Information Technology and Instrumentation engineering. These MOUs have enabled the institute to carry out trainings, visits, expert lectures and projects.
   - **Organizing Workshops, conferences and symposium with joint participation of the faculty and the industries.**

The institute provides financial assistance to organize Workshops, conferences and symposiumwith joint participation of the faculty and the industries.

- **Arranging visits of staff members to various industries and B.E project work in industries under joint guidance of the faculty and experts from industry.**

The institute has subscribed membership of Confederation of Indian Industry (CII) and Mahratta Chamber Of Commerce Industries and Agriculture (MCCIA). This membership enables visit and workshop to be organized for faculty members and projects for final year students of various branches like Electrical, Electronics and telecommunications, and Instrumentation engineering. Apart from this there are 30% industry sponsored projects being carried out in the institute.

- **Visits of industry executives and practicing engineers to the Institute for seeing research work and laboratories, discussions and delivering lectures on industrial practices, trends and experiences.**

It is mandatory for every staff member to invite industry expert related to their subjects to deliver lectures, to bridge curriculum gap and to provide practical insights.

- **Visits of faculty to industry for study and discussions or delivering lectures on subjects of mutual interest.**

It is mandatory for project guides to visit the industry at least twice a semester to check the progress of the ongoing projects and to interact with industrial professionals to further enhance and strengthen the relationship.

- **Practicing engineers taking up post graduation.**

The interaction between the faculty members and industrial professionals has motivated some of the industrial professional to take up post graduation and improve their qualification.

5. **Evidence of Success**

The industry institute relationship has enhanced the number of sponsored projects which account to nearly 30% of the total projects. Number of expert lectures conducted by industrial experts is around 100 every year. Number of industrial visits conducted on an average is 30 per year. On an average 50 students opt for in plant training per year in various industries.

The CII membership enabled a visit and 2-Days workshop for faculty members at "Vishay Components Pvt. Ltd". This industry has also identified many problems faced in their company and has given to solve these problems as projects to final year students of various branches like Electrical, Electronics and telecommunications, and Instrumentation engineering.

The institute organized project exhibition for the PG students of electronics and Electronics and telecommunications (E&TC). MCCIA supported this

activity by actively coordinating with the industries for providing judges for the event as well as participants from the industry.

6. **Problems Encountered**

   The main problem was identifying the industries which could facilitate in plant training, expert lecture, industrial visit, workshops and projects.

   The other problem was to get positive response from the industry for fruitful interaction.

7. **Notes(Optional)**

8. **ContactDetails**

   NameofthePrincipal: Dr. Pradip B. Mane

   NameoftheInstitution: All India Shri Shivaji Memorial Society's Institute of Information Technology.

   City: Pune

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Evaluative Report of the Instrumentation Engineering Department

1. **Name of the department:** Instrumentation Engineering Department

2. **Year of Establishment:** 1999

Programme of Study	Description
UG in Instrumentation Engineering	**Started with 40 seats in 1999-2000** Intake Decreased to 30 seats in 2003-2004 Intake Increased to 40 seats in 2005-2006 Intake increased to 60 in 2006-2007 Onwards Women's Engineering converted into co- education in 2007-2008

3. **Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.) :**
   U.G [B.E. Instrumentation Engineering]

4. **Names of Interdisciplinary courses and the departments/ units involved**

Subjects	Department
Engineering Mathematics-III	Engineering Science
Digital Signal Processing	Electronics Department
Digital Image processing	Electronics Department

5. **Annual/semester/choice based credit system (programme wise):**
   UGSemester Pattern

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.	Name Of Industry	Course
1	SEED Infotech Pune	Soft skills, Quantitative aptitude,

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

9. Number of teaching posts

Teaching posts	Sanctioned	Filled
Professors	01	00
Associate Professors	03	02
Asst.Professors	08	11

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

Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D. Students guided for the Last Four years
Mr. Chaudhari H. P.	M.Tech	HOD	(Biomedical Instrumentation)	Industry- 01yr Teaching- 17yrs	NIL
Dr. Rahulkar A. D.	M.Tech Ph.D	Associate Professor	(Reliability engineering)	Industry- 0.2 yrs Teaching- 12yrs.	NIL
Mrs. Shinde D. U.	M.E Ph.D. (Pursuing)	Associate Professor	(Computerized Process Control)	Industry- - 01yr Teaching- 11yrs	NIL
Mrs. Shinde A. A.	M.Tech. Ph.D. (Pursuing)	Assistant Professor	(Processl Instrumentation)	Industry- 1.5yrs Teaching-7.6 yrs	NIL
Mrs. Kulkarni S. V.	M.Tech.	Assistant Professor	(Computerised Process Control)	Industry- 00yr Teaching-6.5 yrs	NIL

Mrs. Kale V.V.	M.Tech. Ph.D. (Pursuing)	Assistant Professor	(Biomedical Instrumentation)	Industry-0.6 yrs Teaching- 5.4yrs	NIL
Mrs. P.A. Pande	M.Tech.	Assistant Professor	(Process Instrumentation)	Industry-0.1 yrs Teaching- 05 yrs	NIL
Mr.S.C. Rajgade	M.Tech. Ph.D. (Pursuing)	Assistant Professor	(Process Instrumentation)	Industry- 06 mnths Teaching- 4.3	NIL
Ms.Dipti Inamdar	B.E ME Pursuing	Assistant Professor	(Biomedical Instrumentation)	Industry- 6mnths Teaching- 04 yrs	NIL
Mrs.G.S. Ingle	M.Tech.	Assistant Professor	(Process Instrumentation)	Industry- 2.3 yrs teaching- 3.6yr	NIL
Mrs.N.B.Mane	M.E	Assistant Professor	(Biomedical Instrumentation	Industry- 1 yrs teaching- 03yr	NIL
Ms.R.D.Valsangkar	M.Tech.	Assistant Professor	Biomedical Instrumentation)	Industry- NIL teaching- 02 yrs	NIL
Ms.N.S.Nagdeo	M.Tech	Assistant Professor	(Process Instrumentation)	Industry- NIL teaching- 3.3 yrs	NIL

11. List of senior visiting faculty:
Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
Around 40%

13. Student-TeacherRatio(programmewise):
15:1 for UG

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Supporting Staff	Sanctioned	Filled
Technical Staff	02	02
Administrative staff	04	04(Lab attendants)

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil/ PG.:

Qualifications	Number of teaching Faculty
Ph. D.	01
PG	10
UG	01

16. Number of faculty with on going projects from a) National b) International funding agencies and grants received.

Number of faculty With ongoing Projects from National funding agencies	Grants received From National Funding agencies	Number of faculty with ongoing projects from International funding agencies	Grants received From International Funding agencies
01	₹1.15 Lakhs	Nil	Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr.No.	Name of Faculty	Funded By &Year	Amount(Rs.)
01	Dr.A.D.Rahulkar	BCUD-SPPU,Pune 2013-15	₹1,15,000/-

18. Research Centre/ facility recognized by the University
NIL

19. Publications:
Please Refer Table 3.4.3

20. Areas of consultancy and in come 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:

Sr. No	Academic year	% In-house Projects
1	2014-15	[9/24]*100=38%
2	2013-14	[19/28]*100=68%
3	2012-13	[20/33]*100=61%
4	2011-12	[12/22]*100=46%
5	2010-11	[17/30]*100=57%

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

Sr. No	Academic year	% sponsored Projects
1	2014-15	[15/24]*100=63%
2	2013-14	[9 /28]*100=32%
3	2012-13	[13/33]*100=39%
4	2011-12	[10/22]*100=46%
5	2010-11	[13/30]*100=43%

23. Awards/ Recognitions received by faculty and students:

Dr.A.D.Rahulkar	Gunwant Adhyapak Puraskar ,University of Pune
Mrs.A.A.Shinde	100% result in BAI & BAII
Mrs.G.S.Ingle	100% result in IA
Mrs.N.B.Mane	100% result in MEMS
Mr.S.C.Rajgade	100% result in ACS
Ms.D.P.Inamdar	100% result in BMI & ABMI
Ms.R.D.Valsangkar	100% result in AI
Student	
Suraj Shinde	National Level Summit 14 Inter engineering Cricket Tournament (Best Bowler of the tornament & Man of the Match(1st, 2nd, and semi final)
Prathamesh More	National Level Summit 14 Inter engineering Cricket Tournament Man of the Match(3rd match)

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

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event

1	17/09 /2014	Mrs. Sayali Joshi	Laboratory – Head, Aavanira Biotech Pvt. Ltd., Pune & CEO – Shrishti Eco-Research Institute (SERI), Pune	Enterprenureship
2	11/07 /2014	Dr. S. G. Kahalekar	SGGS IET , Nanded	Lecture on "Village Technology Transformation"
3.	21/07 /2014	Mr.Sachin Rasane	Oil and Gas upstream Automation Specialists in Oil and Gas automation, EPC Project and Design solutions	Expert lecture in Hydraulic and Pneumatic system in Petroleum Industry

25. Seminars/ Conferences/ Workshops organized & the source of funding a) National b)International:
NIL

26. Student profile programme/ coursewise:

Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Academic Year	Enrolled		Pass percentage
				*M	*F	
BE (Instrumentation)	As the admission process, it is Governed by DTE. As the rules and regulations are followed as per DTE		2014-15	36	12	75%
			2013-14	37	9	79.55%
			2012-13	33	15	66.67%
			2011-12	36	13	65.30%
			2010-11	35	13	83.33%

*M=Male *F=Female

27. Diversityof Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad

BE (Instrumentation)	2014-15	71.87%	3.12%	0%
	2013-14	70.31%	1.56%	0%
	2012-13	73.43%	1.56%	0%
	2011-12	75.00%	1.56%	0%
	2010-11	77.04%	1.63%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
Refer Table of 5.1.7

29. Student progression
Refer table 5.2.1

30. Details of Infrastructural facilities
a) Library

Sr.No.	Particular	Number of books
1	Number of titles	157
2	Number of volume	162
3	Number of manual	06
4	Number of Datasheet	01

b) Internet facilities for Staff & Students
12 Mbps Leased Line (Tata Telecommunication Limited)
Out of this 10 MBPS line is shared by staff and students.
Office: 2 MBPS

c) Class rooms with ICT facility :
03

d) Laboratories
Details of Laboratories

Sr. No	Name of the Lab	Room No.	Area Square meter	Costing in Rs.
1	Biomedical Instrumentation Lab	611	75.93	₹3,86,501.00/

2	Process Instrumentation Laboratory	702	72.48	₹12,99,011.35
3	Computer Laboratory	703	72.48	₹25,38,003/-
4	Analog/Digital Laboratory	705	66.52	₹8,43,989/-
5	Electronic Instrumentation Lab	706	66.52	₹13,16,934.25/
6	Sensors & Transducer Laboratory	707	66.52	₹433557.61/

31. Number of students receiving financial assistance from college, university, Government or other agencies

Sr.No.	Name of Agency	No. of Students receiving financial assistance		
		2014-15	2013-14	2012-13
1	From state and central Government facility (SC,VJNT,SBC & OBC)	107	85	93
2	Director of Technical Education (EBC)	45	41	38
3	Minority Scho. (DTE)	2	2	3
4	Zila Parishad STC & PTC	1	2	6
5	Higher Education (Central Sector Scho.)	1	1	1
	Total	156	**131**	**141**

32. Details on student enrichment programmes (speciallectures/ workshops/ Seminar) with external experts

Sr. No.	Date	Topic	Conducted By	Organized By
1.	08/07/2014	Numerical Methods	Mrs.K.S.Gadgil, Asst. Professor, AISSMS IOIT Electrical dept	Ms.R.D.valsangkar
2.	11/07/2014	Optical Components	Mr.Prakash Borole, Managing Director,	Mrs.S.V.Kulkarni

			Precision Optics and scientific Instruments, Pune	
3.	24/07/2014	Hydraulic and Pneumatic system in Petroleum Industry	Mr.Sachin Rasane, Oil and Gas upstream Automation Specialists in Oil and Gas automation, EPC Project and Design solutions	Ms.D.P.Inamdar
4.	21/07/2014	Process Instrumentation	Mr.Ravi Maknikar, Rockwell Automation, Pune	Mrs.N.B.Mane
5.	01/09/2014	Instrumental Methods for Chemical Analysis	Mrs.Aarti Pranjpe, Kulkarni Laboratories ,Pune	Mrs.S.V.Kulkarni
6.	29/09/2014	Design of regulated power sypply	Mr. Sanamnath Mathadevru, Technical Lead, Symphony Services, Pune	Mrs.V.V.Kale
7.	22/09/2014	IOM	Mrs.A.S.Kulkarni, Bank Executive Shyamrao Vitthal Bank	Ms.R.D.valsangkar
8.	23/09/2014	Project Engineering and Management	Mr.Sachin Shisode, Business Head, Strategic Engg.	Mrs.G.S.Ingle
9.	17/09/2014	Entrepreneurship	Mrs. Sayali Joshi, Laboratory – Head, Aavanira Biotech Pvt. Ltd., Pune & CEO – Shrishti Eco-Research Institute (SERI), Pune,	Mrs.S.V.Kulkarni
10.	11/07/2014	Village Technology Transformation	Dr. S. G. Kahalekar SGGS IET , Nanded	Mrs.S.V.Kulkarni
11.	31/07/2014	Hands on session on "Application of Proteus and Multisim Software" and	BE students	Mrs.P.A.Pande, Mrs.V.V.Kale

		competetion		
12.	04 to 08/08/2014	05 days workshop on "Industrial Automation:PLC, HMI,SCADA"	PROLIFIC Pune	Mrs.G.S.Ingle, Mrs.V.V.Kale
13.	12/08/2014	Seminar on "Instruction sets of AVR Microcontroller"	Chaitanya Adkar(BE Student)	Ms.N.S.Nagdeo, Mrs.V.V.Kale
14.	17/09/2014	Guest lecture on Entrepreneurship	Mrs. Sayali Joshi,Head Shrishti Eco Research Institute	Mrs. S.V.Kulkarni
15.	18/09/2014	Seminar on Soft skill	Ms.D.P. Inamdar	Mrs.N.B.Mane, Mrs.V.V.Kale

33. Teaching methods adopted to improve student learning:

1. White board Teaching
2. LCD/PPT
3. Use of Multimedia
4. Quiz. Contest/Tutorials
5. Guest lectures
6. Seminars
7. Replica Models
8. Video Lectures
9. Industrial Visits
10. 50:10 teaching module

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

Sr. No.	Name of Activity
1.	Donation to SAKAL TIMES for MALIN GAON RELIEF FUND
2.	Distribution of Rakhi on occasion of Raksha Bandhan to Saraswati Anand Shikshan Anathashram, by Mrs.N.B.Mane and B.E students
3.	Mr.H.P.Chaudhari, Mrs.S.V.Kulkarni, Mrs.P.A.Pande Visited Matoshri Vrudhashram, Pune on 14/07/14.
4.	Social Activity at Anand Vihar Nivasi Matimand Vidyalaya by Miss.D.P.Inamdar and R.D.Valsangkar along with T.E Students

35. SWOC analysis of the department and Futureplans

Strength

1. Well equipped laboratories
2. Highly qualified faculties.
3. Strong personal interaction between faculties and students.
4. Well built industry institute interaction.
5. Good practical exposure to students.
6. Faculties and students are members of various professional bodies like ISTE, ISA, and ISOI.
7. Strong involvement of department in social activities, extra-curricular activities, etc.
8. Good academic results.

Weakness

1. Moderate number of sponsored projects.
2. Low interest of students for higher education.
3. Faculty retention ratio is moderate.
4. No testing and consultancy.
5. No flexibility of syllabus modifications to meet the industry requirements.
6. Lack of long term budget planning.

Opportunities

1. To start Post graduate program.
2. To start testing and consultancy in the department.
3. Increase number of publication in reputed journals.

Threats/challenges

1. To minimize the gap between new/upcoming technology and the curriculum.
2. Increasing the number of placement of students in core companies.
3. To create awareness regarding the instrumentation branch in the society.

Future plans

1. Planning to apply for major/minor research projects
2. To offer consultancy services
3. To establish a research centre
4. Organize Summer/Winter school and STTPs
5. To enhance R&D activities
6. To have 40% doctorate faculty

Evaluative Report of Information Technology

1. Name of the department: Information Technology

2. Year of Establishment: 2008

3. Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Course Offered	Name Of The Course	Specialization
UG	B.E.	Information Technology

4. Names of Interdisciplinary courses and the departments/ units involved:

Sr. No.	Name Of Interdisciplinary Course	Department Involved
1.	Digital Electronics and Logic Design	Electronics & Electronics and Telecommunications
2	Engineering Mathematics III	Engineeering Science

5. Annual/ semester/ choice based credit system (program wise):
    UG - Semester-Pattern**.**

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

Sr. No.	Name Of Department	Course
1	Engineeering Science	Fundamental of Programming Languages I and II (One in Each Semester)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
    Refer table 1.2.1

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

9. Number of teaching posts

Teachingposts	Sanctioned	Filled
Professors	01	00
Associate Professors	03	01
Asst. Professors	08	11

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

Name	Qualification	Designation	Specialization	No.of Years of Experience	No. Of Ph.D. Students Guided for the Last Four years
Mr. Pritesh K Patil	M.E.(Computer Engineering) PhD pursuing	Asso. Prof.	Computer	12 Years	NA
Mr Riyaz Jamadar	M.E. E&TC Pursuing	Asst. Prof.	VLSI & Embedded System	16 years	NA
Mrs. Anuja S Phapale	M.E. (Computer)	Asst. Prof.	Computer	7 years	NA
Mrs. Pragati P Mahale	M.E. (IT)	Asst. Prof.	Information Technology	6 years	NA
Mrs.Reshma Y Totare	M. Tech. (Computer)	Asst. Prof.	Computer	7 Years	NA
Mrs.Pathak Mrunal	ME (CSE-IT) PhD pursuing	Asst. Prof.	Computer	7 Years	NA
Mrs. Jayashree Pasalkar	M.E. (IT)	Asst. Prof.	Information Technology	5 Years	NA
Mr. Deepak R. Naik	M.E.(Computer) Pursuing	Asst. Prof.	Computer	6 Years	NA
Mr. Amit Vijay Kore	M.E. (Computer)	Asst. Prof.	Computer	5 Years	NA
Mr. Vijay S. More	M.E. (IT)	Asst. Prof.	Information Technology	6 Years	NA
Miss Radhika L. Bhosale	M.E. (IT)	Asst. Prof.	Information Technology	4 Years	NA

| Mrs. Savita Badhe | M.E. (Computer) | Asst. Prof. | Information Technology | 2 Years | NA |
| Mr. Chetan Aher | M.E. (Computer) | Asst. Prof. | Computer | 2 Years | NA |

11. List of senior visiting faculty: NA

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: --   50% (50% Adhoc staff)

13. Student-Teacher Ratio (programme wise)

Academic year	Student –Teacher Ratio
2010-11	1:15
2011-12	1:15
2012-13	1:15
2013-14	1:15
2014-15	1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Supporting Staff	Sanctioned	Filled
Technical Staff	1	1
Administrative Staff	Nil	05 (Lab attendant)

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

Qualification of Teaching Staff	Total No Of Staff
P. G.	11

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
Not Applicable

19. Publications: Please Refer Table 3.4.3

20. Areas of consultancy and income generated

Sr. No.	Name of the Source	Income Generated	Remark
1.	TCS iON Pvt. Ltd., Pune (For Conduction of Online Examination e.g. GATE)	5,15,000,00/-	Along with computer department

21. Faculty as members in
a) **National Committees:** NIL
b) **International Committees:** NIL
c) **Editorial Board:** NIL

22. Student projects
a) Percentage of students who have donein-house projects including interdepartmental/ programme

Sr. No	Academic year	% In-house Projects
1	2014-15	27.77
2	2013-14	41.18
3	2012-13	73.68
4	2011-12	66.66

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

Sr. No	Academic year	% sponsored Projects
1	2014-15	72.22
2	2013-14	58.52
3	2012-13	26.31
4	2011-12	33.33

23. Awards/Recognitions received by faculty and students Faculty
1. R. A. Jamadar: Completion of International Diploma in NLP
2. Mrs. Pragati Mahale: SWO Award for Three Successive Years by SPPU
3. 100% Result Achievements:
   i)   P. A. Patil (ADBMS)
   ii)   M. P. Nerkar (DS, IAS)
   iii)   R. Y. Totare (OOMD)
   iv)   A. V. Kore (ACN)
   v)   P. S. Joshi (IR, CD)
   vi)   A. V. Kore (ACN)
   vii)   A. S. Bhosale (D.S.)
   viii)   R. L. Bhosale (STQA)

Students:

Sr. No.	Name of Student	Event	Title	Organized by	Date	Level	Prize/ Award
2.	Anuj More	App Development	Happiness Challenge	Challenge Post	28-02-2015	International	156[th] Rank
3.	Anuj More	Web Development	AIG Rugby Innovation Challenge	Challenge Post	16-11-2013	International	19[th] Rank
4.	Swati Barsagade	Largest Bharatnatyam Performance	Toward Guinness Books of World Record's	Swarnupur Sangeet Vidhyalay, Kolhapur	10-01-2015	International	Participation in Guinness Books of World Record
5.	Darshan Sant	Cricket Match	Engineers Cup	Sandeep Foundation	2013-14	State	Best Batsman
6.	Chinmay Desai	Cricket Match	Engineers Cup	Sandeep Foundation	2013-14	State	Best Bowler
7.	Devendra Ghorsad	Cricket Match	Engineers Cup	Sandeep Foundation	2013-14	State	Man of the Match
8	Akshar Uradde	Cricket Match	Engineers Cup	Sandeep Foundation	2013-14	State	Man of the Match

24. List of eminent academicians' and scientists/ visit ors to the department
1. Dr. Neil Hart, Proffesor at Stafford Shire University
2. Jorgan Lau and Annikka Manikee, German Stutgaurd, MoU Signing
3. Mr. John Rowe, Director of London School of Training, MoU Signing
4. Mr. Rajdeep Chaudhari, Relationship Manager of London School of Training, MoU Signing
5. Mr. S. Gawade, Deputy Commandant of NDRF, Workshop on Disaster Management

25. Seminars/ Conferences/ Workshops organized & the source of funding
    a. National
    b. International

Sr. No	Name Of The Event organized	DATE	Amount	Source of Funding
1	Cloud Computing	26-27 Sept;2013	25000/-	Savitribai Phule Pune University

26. Student profile programme / coursewise:

Nameofthe Course /programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Information Technology	2010-11	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the Admission process.		26	27	86.54
	2011-12			36	26	76.19
	2012-13			28	26	72.22
	2013-14			27	25	76.92
	2014-15			29	22	73.91
*M=Male *F=Female						

27. Diversity of Students

Academic Year	% of students from same state	% of students from other states	% of students from abroad
2010-11	80.32%	6.55%	0%
2011-12	78.5%	9.37%	0%
2012-13	78.12%	6.25%	0%
2013-14	76.56%	4.68%	0%
2014-15	73.43%	6.25%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?   Refer table 5.1.7

29. Student progression: Refer table 5.2.1

30. Details of Infrastructural facilities
    a) Library:

Though the institute has centralized library, Information Technology department also maintains departmental library. Details are given below.

No. of Books	No. of national and international magazines subscribed	Project report
369	04	66

b) Internet facilities for Staff & Students

12 Mbps Leased Line (Tata Telecommunication Limited)
Out of this 10 Mbps line is shared by staff and students.
Office: 2 Mbps
Wi-Fi Facility for the Department

c) Class rooms with ICT facility

Room Descriptions	Usage	Shared/ Exclusive	Capacity	Rooms equipped with PC, internet, book rack, meeting space, etc.
Meeting Room 600	Departmental meeting	Exclusive	12	Computer, Table, Chair, Cupboard, White board
Faculty Room 600	HOD	Exclusive	1 / 16.39 Sq. mt	Computer, Table, Chair, Cupboard, White board
Faculty Room 601	Faculty	Exclusive	3 / 23.49 Sq. mt	Computers, Tables, Chairs, Cupboards
Faculty Room 602	Faculty	Exclusive	2 / 73.2718 Sq. mt	Computer, Table, Chair, Cupboard, White board
Faculty Room 603	Faculty	Exclusive	2 / 73.2718 Sq. mt	Computer, Table, Chair, Cupboard, White board
Faculty Room 604	Faculty	Exclusive	3 / 16.39 Sq. mt	Computer, Table, Chair, Cupboard, White board
Class Room 605	TE and BE Lectures	Exclusive	80 / 75.93 Sq. mt	Computer, Projector, Glass board, Tube lights, Fans, Microphone,

				Speaker
Faculty Room 606	Faculty	Exclusive	1	Computer, Table, Chair, Cupboard, White board
			92.1085 Sq. mt	
Faculty Room 607	Faculty	Exclusive	1	Computer, Table, Chair, Cupboard, White board
			92.1085 Sq. mt	
Faculty Room 608	Faculty	Exclusive	1	Computer, Table, Chair, Cupboard, White board
			92.1085 Sq. mt	
Class Room 609	BE and SE Lectures	Exclusive	80	Computer, Projector, Glass board, Tube lights, Fan, Microphone, Speaker
			75.93 Sq. mt	
Store Room 610	Store	Exclusive	1	Computer, table, Cupboard, fan, Chair
			6.86 Sq.mt	
Tutorials Room 611	Room 1	Exclusive	20	Tube lights, Fans, White board
			33.25 Sq. mt	
Examination Hall 605, 609a	Exam	Exclusive	80	Computer, Projector, Glass board, Tube lights, Fans, Microphone, Speaker
Seminar Room	Seminar	Exclusive	20	Computer, Projector, Glass board, Tube lights, Fans, Microphone, Speaker
Conference Hall	Conference	Shared	30	Computer, Projector, Tube lights, Fans, Microphone, Speaker

d) Laboratories

Curriculum Lab Description		Computing Facilities exist
Room No	**Name of Lab**	
602	Language Lab	Computers with the Digital Multilingual Interactive ETNL Language Lab, Quick Heal Antivirus, and Internet connectivity
603	Hardware Lab	Computers with software like Java, .Net, Visual Studio, Oracle, Quick Heal antivirus and internet facility.
606	Software Lab	Dual Boot Systems. Computers with software like Turbo C, Linux, Java, Microsoft Office, and Quick Heal Antivirus and internet connectivity.
607	Network Lab	Computer with software like Cisco Packet Tracer, Network Analyzer, Quick Heal antivirus and internet connectivity.
608	Project Lab	Computer with software like Flash Player, AutoCAD, Visual Studio, Turbo C, C++, Quick Heal antivirus and internet connectivity.

31. Number of students receiving financial assistance from college, university, government oragencies.

Sr.No.	Name of Agency	No. of Students receiving financial assistance		
		2014-15	**2013-14**	**2012-13**
1	From state and central Government facility (SC,VJNT,SBC & OBC)	113	106	106
2	Director of Technical Education (EBC)	59	28	26
3	Minority Scho. (DTE)	0	2	4
4	Zila Parishad STC & PTC	2	0	3
5	Higher Education (Central Sector Scho.)	0	0	0
	Total	174	**136**	139

32. A detail on student enrichment programmes (special lectures/ workshops/ seminar) with external experts.

Expert Lectures:-

Sr. No	Module Description	Any other contributory institute/ industry	Developed By/ Organised By	Duration	Resource Person	Date	Target Audience
1	Guidance on GRE & TOFEL	Centre Manager The Princeton Review Pvt. Ltd	Mr.Pritesh A. Patil	1 hour	Ms.Reena Dinakaran	23/07/ 2014	BE Students
2	Career opportunities and requirements from IT industries	CEO, ITpreneur Technologies Pvt. Ltd JM Road Pune.	Mr.Pritesh A. Patil	1 hour	Mr.Nanda kishor Avhal	04/09/ 2014	BE Students
3	PHP and MySQL Admin	I^2IT, Hingewadi, Pune	Mrs.P. P. Mahale.	1 hour	Mrs Deepti Chaudhari	14/09/ 2014	TE Students
4	Cloud Security Concept	Security Head Vodaphone India Pvt. Ltd, TCS, Pune	Ms. Savita Badhe	1 hour	Mr. Ankur Umdekar	11/07/ 2014	BE Students
5	Microsoft .Net Technology	Microsoft IT Academy Partner, New Delhi	Mr.R.A.Ja madar	1 hour	Mr.Sandi p Jethaani	16/07/ 2014	TE Students
6	Guidance on GATE Exam	Sr.Manager Academic Relations The GATE Academy.Pvt. Ltd	Mrs.R.Y.T otare	1 hour	Mr.Rahul K.Singh	17/07/ 2014	BE Students
7	Personality Development	Founder & Director Ahead Institute,Pune	Ms. Savita Badhe	1 hour	Mr.Kshiti j Shyam	09/07/ 2014	BE and TE Students

8	Project Orientation	Founder & CEO Net Gyani IT services .Pvt Ltd	Mrs.M.K.P athak	1 hour	Mr.Vivek Aghao	27/06/ 2014	BE Students
9	Microsoft .Net Technology	Microsoft IT Academy Partner, New Delhi	Mr.R.A.Ja madar	1 hour	Mr.Sandi p Jethaani	16/07/ 2014	Students
10	ISTE sponsored seminar on Mongo DB	CT Space Technology Pvt. Ltd.	Mrs. R. Y. Totare	2 hour	Mr.Abhiji t Bashetti	24/09/ 2014	Students
11	Security in wireless Network	DAKC Mumbai	Mr. A. V. Kore	1 hour	Mr. Yogesh Pawar	20/09/ 2014	Students

Seminar/ Workshops/ Conference organized

Sr No.	Module Description	Any other contributory institute/ industry	Developed By/ Organized By	Duratio	Resource Person	Date	Target Audience
1	Introduction Of Firewall Checkpoint	Skills factory learning pvt. ltd	ITSA & CSI	1day	Mr. Sunil Sonawa ne	11-08-2013	Students
2	Advanced Firewall Checkpoint and VPN	Skills factory learning pvt. Ltd	ITSA & CSI	1day	Mr. Sunil Sonawa ne	12-08-2013	Students
3	Ethical Hacking	Skills factory learning pvt. Ltd	ITSA & CSI	1 day	Mr. Sunil Sonawa ne	21-08-2013	Students

4	Advanced Ethical Hacking	Skills factory learning pvt. Ltd	ITSA & CSI	1 day	1.Mr. Sunil Sonawane 2.Mr. Anand Deshpande	22-08-2014	Students
5	Cloud Computing	Orien People Management pvt. Ltd I-Tech Connect pvt. Ltd	Dept of IT & CSI	2 days	Mr. Atul Dhaygude.	26 & 27-09-2013	Staff members
6	FDP on DSF, DSFL and FCN	University of Pune, AISSMS IOIT Pune	UOP, Dept of IT AISSMS IOIT	1 day	Prof. G. K. Potdar Mr. R. A. Jamadar Prof. P. A. Patil	20-02-2014	Staff members

33. Teaching methods adopted to improve student learning are:

- Guest Lecture/Workshop/ Seminar
- Quiz
- Industrial Visits
- Value Added Courses
- Role Play
- Mock Interviews/Practical Tests
- Assignments/Semester
- Class Test
- Tutorial
- Feedback Analysis
- Educational Tour
- Content beyond the syllabus
- Bridging the Curriculum gap

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

List social activities in Year 2014-15

Sr. No.	Date of Visit	Name of Staff	Visit Place
1	03/09/2014	P. A. Patil ,R. L. Bhosale, S. P. Badhe, J. C. Pasalkar, P P Mahale, A.V. Kore, C. N. Aher	SOFOSH at Sasson Hospital, Pune
2	29/09/2014	R.Y.Totare	Tkashshila Anath Bal sangopan Shikashn Santha Handmade Diya Exhibition
3	18/09/2014	J. C. Pasalkar S. P. Badhe M. P. Pathak	"Swacha Bharat" at IT Dept, IOIT, Pune
4	11/03/2015	R.Y.Totare P P Mahale A.S.Phapale R. L. Bhosale S. P. Badhe	Swaranaad, Primary school for impaired children ,Cochlea,Pune
5	22/03/2015	P.A.Patil	Social visit at Rose Balgram,Pune

35. SWOC analysis of the department and Future plans.

Strength:
1. Well Qualified Faculty
2. Strong Industry-Academia Interaction through MoUs for workshops, Seminars, Sponsored projects and Placement assistance.
3. Laboratories equipped with Computers those` have the necessary infrastructure and configuration for advanced experiments.
4. Faculty members have research potential.
5. Dedicated and Hardworking staff members

Weakness:
1. Lack of supporting staff in Labs.
2. Unavailability of basic resources for research
3. Lack of Qualified Soft skill trainer

Opportunities:
1. The Faculty skills could be leveraged for industry-institute interaction.
2. Faculties can publish and develop patents for their research work.
3. The laboratories can be shared for IT Trainings and generate revenue for the institute.

Challenges:
1. Retaining good faculty members
2. Monitoring and Control of On-line examinations.
3. Placements

Future plans:-
1. Consultancy for Software work.
2. Corporate training for latest technologies.
3. Create opportunities for internship programs for students.
4. Collaboration with International organization.

Evaluative Report of Computer Department

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; I n t e g r a t e d Ph.D, etc.):**

Course Offered	Name Of The Course	Specialization
UG	B.E.	Computer Engineering

4. **Names of Inter disciplinary courses and the departments/ units involved:**

Sr. No.	Name Of Interdisciplinary Course	Department Involved
1.	Design Electronics and Logic Design	Electronics & Electronics and Telecommunications
2	Microprocessor Interfacing Techniques	Electronics & Electronics and Telecommunications
3	Engineering Mathematics III	Engineering Science
5	Digital Signal Processing and Applications	Electronics & Electronics and Telecommunications

5. **Annual/ semester/ choice based credit system (programme wise):**
   UG - Semester-Pattern.

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

Sr. No.	Name Of Department	Course
1.	Electronics and Telecommunications	Object Oriented Programming.
2	Engineering Science	Fundamental of Programming Languages I and II

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
   Refer table 1.2.1

Sr. No.	Name Of Industry	Course
1	ATS Infotech-Microsoft, Pune	Microsoft Certified Professionals
2.	SEED Infotech Pune	Soft skills, Quantitative aptitude.
3.	Feelsoft Pvt. Ltd., Baramati.	Advanced Java

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

9. **Number of teaching posts**

Teaching posts	Sanctioned	Filled
Professors	01	00
Associate Professors	05	04
Asst. Professors	14	17

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

Sr. No.	Name	Qualification	Designation	Specialization	No.of Years of Experience	No. Of Ph.D. Students Guided for the last Four
1.	Mrs.S.N. Zaware	M.E. Computer	Asso. Prof.	Computer	14 Years	NA
2.	Mrs.Zope M.A.	M.E. Computer	Asso. Prof.	Computer	10 Years	NA
3.	Ms. Pimpalkar S.	M.E. Computer	Asso. Prof.	Computer	10 Years	NA
4.	Mrs.Nerkar M.	M.E. Computer	Asso. Prof.	Computer	12 Years	NA
5.	Ms.Gaikwad P.	M.E. Computer	Asst. Prof.	Computer	11 Years	NA
6.	Mrs.Zingade D.	M.E. Computer	Asst. Prof.	Computer	10 Years	NA
7.	Mrs.Said A.	M.E. Computer	Asst. Prof.	Computer	10 years	NA

8.	Mrs.Patil N.S.	M.E. Computer (Appeard)	Asst. Prof.	Computer	08 years	NA
9.	Mr.Sadafule P.	M.E. Computer	Asst. Prof.	Computer	05 Years	NA
10.	Mr.Limkar S.	M.E. Computer	Asst. Prof.	Computer	09 Years	NA
11.	Mr.Navale G.	M.E. Computer	Asst. Prof.	Computer	05 Years	NA
12.	Ms.Agrwal S.	M.E. Computer	Asst. Prof.	Software Engg	08 Yeras	NA
13.	Mr.Kalugade A.	M.E. Computer	Asst. Prof.	Computer	05 Yeras	NA
14.	Ms.Bidwai P.	M.E. Computer	Asst. Prof.	Computer	7.5 Years	NA
15.	Mrs.Kadam S.	M.E. Computer	Asst. Prof.	Computer	09 Years	NA
16.	Ms.Jawale D.	M.E. Computer	Asst. Prof.	Computer	02 Years	NA
17.	Ms.Shinde S.	M.E. Computer	Asst. Prof.	Computer	02 Years	NA
18.	Ms.Nawale S.	M.E. Computer	Asst. Prof.	Computer	02 Years	NA
19.	Ms. Bhosale A.	M.E. Computer	Asst. Prof.	Computer	02 years	NA
20.	Mr. Pitambare	M.E. Computer	Asst. Prof.	Computer Network	01 year	NA
21.	Ms. Barole S.	M.E. Computer	Asst. Prof.	Computer	02 years	NA
22.	Ms. Bharadwaj S.	M.E. Computer	Asst. Prof.	Computer	06 years	NA
23.	Ms. Ankita Chipade	M.E. Computer	Asst. Prof.	Computer Network	01 year	NA
24.	Ms. Rajani Gadade	M.E. Computer	Asst. Prof.	Computer	3.5 years	NA
25.	Ms.Veena Bhende	M.Tech. Computer	Asst. Prof.	Computer	2.5 years	NA

11. List of senior visiting faculty: NA

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** - 40%

13. **Student-TeacherRatio(programmewise)**
    15:1 for UG

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

Supporting Staff	Sanctioned	Filled
Technical Staff	02	02
Administrative Staff	06	06 (Lab attendant)

15. Qualifications of teaching faculty with D.Sc./ D.Litt/ Ph.D/ MPhil/ PG.

Qualification of Teaching Staff	Total No Of Staff
P. G.	24

16. **Number of faculty with on going 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: Please Refer Table 3.4.3**

20. **Areas of consultancy and income generated**

Sr. No.	Name of the Source	Income Generated
1.	TCS iON Pvt. Ltd., Pune (For Conduction of Online Examination e.g. GATE)	₹5,0,6484.00

21. **Faculty as members in**
        a) National committees: -----NIL
        b) International Committees: --- 01
                Prof. S. V. Limkar- Springer Advisory/Technical Committee Member
        c) Editorial Board: -------NIL

22. **Student projects**

a) **Percentage of students who have done in-house projects including interdepartmental/ programme**

Sr. No	Academic year	% In-house Projects
1	2014-15	75%
2	2013-14	67%
3	2012-13	85%
4	2011-12	82%
5	2010-11	50%

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

Sr. No	Academic year	% sponsored Projects
1	2014-15	25%
2	2013-14	33%
3	2012-13	15%
4	2011-12	18%
5	2010-11	50%

23. Awards/ Recognitions received by faculty and students

Awards Received By Faculty:

1. S. V. Limkar: - Worked as a chairperson for the FICTA 2014 International Conference in association with Springer.
2. S. V. Limkar: Member of International Technical advisory board.
3. D. S. Zingade:- Received "Longest Continuous Student Branch Coordinator 2013"
4. N. S. Patil: - Best paper Award in "C-PGCON 2014" held in MCOE Nasik.
5. S.S. kadam: - Received Honorarium of Rs. 5000/- from Adobe for arranging Adobe workshop on Adobe Flex.
6. S.R Agrawal: - Received Honorarium of Rs. 5000/- from Adobe for arranging Adobe workshop on Adobe Flex.
7. Ms. S. N. Zaware:-Best HOD award for the academic Year 2012-13 and 100% Result award for the academic year 2010-11.
8. Ms. N. S. Patil: Best GFM award for the academic Year 2012-13 and 100% Result award for the academic year 2012-13.
9. Ms. D. S. Zingade:- Best GFM award for the academic Year 2008-09.
10. Ms. A. G. Said: - 100% Result award for the academic year 2012-13 for two subjects.
11. Ms. P. V. Bidwai:- 100% Result award for the academic year 2012-13.

Awards Received By the Students:

Sr. No.	Name of Student	Event	Title	Organized by	Date	Level	Prize/ Award
1	Sarang Kulkarni	M-Pulse-2011	Robo-Blitz	PES MCOE	16 to 18/2/ 2011	State	Finalist
2	Nilesh Khude	M-Pulse-2011	Robo-Blitz	PES MCOE	16 to 18/2/ 2011	State	Finalist
3	Pranav Thube	M-Pulse-2011	Robo-Blitz	PES MCOE	16 to 18/2/ 2011	State	Finalist
4	Pranav Thube	Perception2011	Roborace	VIIT	2011	State	Semi finalist
5	Rohit Bhandari	M-Pulse-2011	Robo-Blitz	PES MCOE	16 to 18/2/ 2011	State	Finalist
6	Vikram Gore	Versatalia,2011	Sports Quiz	PVG COET	March 2011	National	Finalist
7	Punita Repe	Pentacle, 2011	Basketball	CCOEW	4 to 7/2/ 2011	National	2nd
8	Rutwika Mohanty	Pentacle, 2011	Basketball	CCOEW	4 to 7/2/ 2011	National	2nd
9	Rutwika Mohanty	Cynosure ,2011	Compiler	JSPM ICER	14/3/2011	National	3rd
10	Alisha sheikh	Saga,2011	Young leader	MES COE	2011	National	1st
11	Alisha Shaikh	Pentacle, 2011	Basketball	CCOEW	4/2 to 7/2/2011	National	2nd

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

  1. Sarang Shrawagi, Mongodb Certified Programmer
  2. Mr. Akhalque Shaik, SeamEdu, Pune.
  3. Mr. Pravin Hore, MDS Solution Pvt. Ltd. Pune
  4. Mr. Sandeep Singh, Cyber tech solution, Delhi
  5. Prakash Janawade, certified Ethical Hacker Govt. Of India

25. Seminars/ Conferences/ Workshops organized & the source of funding.
 a) National

Sr. No	Name Of The Event organized	DATE	Amount	Source of Funding
1	Embedded Operating System	12 & 13/01/ 2014	₹1,00,000.00	Savitribai Phule Pune University

b) **International:** Nil

26. Student profile programme / coursewise:

Name of the Course/ programme	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
Computer Engineering	2013-14	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the Admission process.		45	58	81.63
	2012-13			58	47	74.46
	2011-12			30	33	74.60
	2010-11			34	26	81.66
	2009-10			33	28	80.33

*M=Male *F=Female

27. Diversity of Students

Name of the Course	% of students from same state	% of students from other states	%of students from abroad
2014-15	93.54%	6.45%	0%
2013-14	82.25%	0.80%	0%
2012-13	83.06%	1.61%	0%
2011-12	93.75%	4.68%	0%
2010-11	93.44%	3.27%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Refer table From Criterian 5.1.7

29. Student progression Refer table From Criterian 5.2.1

30. Details of Infrastructural facilities
a) **Library:**
Though the institute has centralized library, Computer department also maintains departmental library. Details are

given below.

No. of Books	No. of CSI magazines	Project report, seminar report
294	350	Seminar Report-208 Project Report-105

b) **Internet facilities for Staff & Students**

12 Mbps Leased Line (Tata Telecommunication Limited)

Out of this 10 MBPS line is shared by staff and students.

Office: 2 MBPS

c) **Class rooms with ICT facility-**

Room description	Usage	Shared / exclusive	Capacity	Rooms equipped with PC, internet, book rack, meeting space, etc.
Class Room No. 505	TE BE	shared	80	Facility for PC with internet, Projector, Black board, Fan, Benches, platform with podium
Class Room No. 509	SE TE	shared	80	Facility for PC with internet and Projector, Black board, Fan, Benches and white screen, platform with podium
Class Room No.114	SE,TE	Shared	80	Facility for PC and Projector, Black board, Fan, Benches and white screen, platform with podium
Class Room No.016	SE,BE	Shared	80	Facility for PC and Projector, Black board, Fan, Benches and white screen, platform with podium
Tutorial rooms 514	Conduction of tutorial for SE, TE and BE	Shared	20	Branded PC's with internet Connectivity
Seminar Room no. 201A	Conduction of Third year Seminar, BE Project, weekly activity	Shared	200	Facility for PC and Projector, Black board, Benches
Faculty room no.504	Sitting arrangement of faculty	shared	02	Table ,Chair, Cub-board, Facility for PC, Fan

Faculty room no.501	Sitting arrangement of faculty	shared	04	Table ,Chair, Cub-board, Facility for PC, Fan
Faculty room no. 510	Sitting arrangement for faculty	Exclusive	04	Table ,Chair, Cub-board, Facility for PC with Internet Printer, Fan and EPBX System
Faculty room no. 512	Sitting arrangement for faculty	Exclusive	04	Table ,Chair, Cub-board, Facility for PC with Internet Printer, Fan and EPBX System

d) Laboratories

Curriculum Lab Description		Facilities exist
Room No	**Name of Lab**	
503	Project and Linux Lab	Computers with internet Connection, Linux, Java, Windows Server 2003,white board
506	Software Lab-01	Computers with internet Connection, Turbo C, Office 2007,Windos Server 2007,white board
508	Advanced Software Lab	Computers with internet Connection, .Net, Oracle, white board
502	Hardware & Microprocessor Lab	Hardware kits Microprocessor Kits Study Cards CRO's Power Supply Computers with masm, tasm, x8086 MIDE-51(2), Flash Magic, Keil software
507	Software Lab-02	Computers with internet Connection, Linux, Java, white board
614	Programming Lab	Computers with internet Connection.

31. Number of students receiving financial assistance from college, university, government or other agencies.

Sr. No.	Type of assistance	Agency providing financial assistance	Academic Year		
			2012-13	2013-14	2014-15
1	SC,VJNT,SBC & OBC	state and central Government	98	161	188
2	EBC	Director of	45	51	48

3	Minority Scho.	Technical Education			
		Director of Technical Education	3	2	4
4	Zila Parishad STC & PTC	Central Sector Scho.	4	1	5
5	Higher Education		0	1	3
6	others				1

32. Details on student enrichment programme (special lectures/ workshops/ seminar) with external experts.

Expert Lectures:-

Sr. No.	Department	Date	Activity Details Topic	Speaker/ Judge	Organizer/ Staff Co coordinator / Student Coordinator
1	Computer	16/07/ 2014	Project opportunities in .NET	Mr. Manoj yelene	Mrs. M. P. Nerkar Mr. G. J. Navale
2	Computer	25/07/ 2014	Effective Communication skills and personality development	Mr.Dushya nt Varandani	Mrs. Archana Said
3	Computer	11/8/ 2014	.NET technology	Naveen Kumar Kaushik and Meenakshi chaudhary	S N Zaware and Pooja Bidwai
4	Computer	10/9/ 2014	Higher studies guidance- GATE PREPARATION	Prasana Kumar	G.J.Navale
5	Computer	30/07/ 2014	Higher studies abroad GRE/GMAT	Deepak Kulaskar	S.N.Zaware P.S.Gaikwad

- **Seminar/Workshops/Conference organized**

Sr. No	Topic	Conducted by	Date
1	Operating System and Administration	Mr. Tushar Dudhale	23/8/2014
2	UPSC And Civil services Exams Pattern	Mrs. Swapna jarag	25/8/2014
3	"Working with LATEX"	TE and BE Students	24 & 25/7/2014
4	Dot net technology	Mr Naveen Kumar Kaushik and Meenakshi Chaudhari	11/08/2014
5	Mongodb and its practical implemetation	Sarang shravagi	13 & 14/09/2014
6	Career Opportunities in Microsoft Technology	Mr. Sandip Jethani	16/07/2014
7	Forensic Science and cyber Applications	Mr. Prakash janwade	10 & 11/07/14
8	Workshop on Advance JAVA	Mr. Digambar Yedage	02/09/2013
9	Workshop on Web Technology	Mr. Digambar Yedage	04/09/2013
10	Seminar on .Net and Java Technology	Mr. Imran Khan	23/07/2013
11	Seminar on SAP Techniversity	Ms.Richa Rajput	07/08/2013
12	Five Days Workshop on "Hadoop Big Data"	Mr. Rahul Dhond & Shrikrishna Kulkarni	20 to 24/01/2014
13	Two Days Workshop on "Infrastructure Development in Cloud Computing with Virtualization"	Mr. Sandeep Singh, Cyber tech solution, Delhi	20 & 21/02/2014
14	One Day Workshop on "Exploring opportunities in Cloud computing and Virtualization"	Mr. Sandeep Singh, Cyber tech solution, Delhi	18/04/2014
15	One day Workshop on Programming skills in QT creator	Mr. Pravin Hore, MDS Solution Pvt. Ltd, Pune	02/04/2014
16	One day Workshop on Programming skills in QT	Mr. Pravin Hore, MDS Solution Pvt. Ltd,	28/03/14

	creator	Pune	
17	One day training on "3D Maya Tool"	Mr. Akhalque Shaik, SeamEdu, Pune.	11/02/2014
18	One day Workshop on Android & Its Applications	Mr. Pravin Hore, MDS Solution Pvt. Ltd, Pune	19 /03/2014

33. Teaching methods adopted to improve student learning.

Following are the teaching methods adopted to improve student learning.

- Guest Lecture/Workshop/ Seminar.
- Quiz competitions.
- Industrial Visits.
- Value Added Courses.
- Mock Interviews.
- Assignments per Semester.
- Class Test.
- Tutorial.
- Feedback Analysis.
- Content beyond syllabus for every subject.
- Contents to bridge the Curriculum gap for every subject.
- 50:10 teaching module

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

The table given below gives details of social visits arranged by the Computer Department in the year 2014-15.

Sr No	Place Of Visit	Date	Coordinator	Class
1	Vidharbh MaharogiSeva Mandal	03/01/2015	Mr. Girish Navale	BE
2	SanmatiBal Kendra	29/03/2015	Mr. Girish Navale	BE
3	Apang Kalyankari Shikshan Sanstha	28/02/2015	Mr. Girish Navale	BE
4	Financial Contribution to BE Student " Mr.Akash Alane	26/02/2015	All Staff	BE

5	Kasturba Gandhi Vidyayla	03/03/2015	Mr. Girish Navale	BE
6	Swarnaad School	25/03/2015	Ms. Neha Patil	SE(I)
7	Swarnaad School	25/03/2015	Ms. Deepali Jawale	SE(II)

The table given below gives details of conduction of career oriented sessions on junior colleges in the academic year 2014-15.

Sr. No	Name Of The Staff	Name Of The College	Date	Topic
1	Ms. S. N. Zaware	Sancheti J. College of Science, Thergaon	19/09/2014	Career Opportunities in Computer Engineering
2	Ms. S. S. Kadam	Sancheti J. College of Science, Thergaon	19/09/2014	Career Opportunities in Computer Engineering
3	Ms. P. S. Gaikwad	Navamaharashtra Vidyalaya, Pimpri	19/10/2014	Cyber Security
4	Ms. M. A. Zope	Navamaharashtra Vidyalaya, Pimpri	19/10/2014	Cyber Security
5	Ms. S. R. Agrawal	SVM Higher Secondary School, Khandawa	05/11/2014	Opportunities in Computer Engineering
6	Ms. A. G. Said	S. M. Junior college Akurdi, Pune	15/11/2014	Career Opportunities in Engineering
7	Ms. Swati Navale	Late. Bhairomal Tanvani Jr. College.	5/09/2014	Introduction of programming.
8	Ms. Pooja Bidwai	Sancheti J. College of Science, Thergaon	29/11/2014	Professional Opportunities in Engg

35. SWOC analysis of the department and Future plans.
Strength:
1. Highly qualified and dedicated faculty, good communication among faculty.
2. Well-equipped laboratories, library and IT Facilities.
3. Relatively good faculty members in research and publication activities.

4. Conduction of value added workshops and seminars for students as well as faculty to upgrade the skills.
5. Received the grants from the University for organizing workshop/conferences.
6. The Department always motivates staff for their higher studies and research.
7. Good Placements.

Weakness:
1. Lack of senior faculty with PhD qualification.
2. No Consultancy.

Opportunities:
1. Collaboration with industries.
2. Encouragement for pursuing Research

Challenges:-
1. Competition (local, regional and global)
    a. Emerging local and regional private colleges.
    b. Accessibility of international schools via distance education.
    c. Fast pace of developments in technology (e.g. IT, emerging new fields)
2. Declining enrollment (interest) in engineering
    a. Lack of sufficient number of quality students with strong interest in Engineering
3. To keep abreast with the ever changing requirements of the IT industry.

Future plans:-
1. The Department is planning to go for Post Graduation courses.
2. The Department is also planning for additional intake.

Evaluative Report of the Electronics Engineering Department

1. **Name of the department :** ELECTRONICS ENGINEERING

2. **Year of Establishment**:1999

3. **Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   UG**:**
    B. E (Electronics Engineering)
   PG**:**
   M.E Electronics (VLSI and Embedded System)
   PhD**:**
           Reasearch Centre

4. **Names of Inter disciplinary courses and the departments/ units involved**

Sr. No.	Names of Inter disciplinary courses	Departments/ units involved
1.	Engineering Mathematics III	Engineering Sciences
2.	Digital Control System	Electrical Engineering
3.	Embedded Product Design	Electronics & Telecommunication Engineering
4.	Research Methodology	Electronics & Telecommunication Engineering

5. **Annual/ semester/ choice based credit system (programmewise)**
   UG - Semester-Pattern
   PG - Semester-Pattern (credit system)

6. **Participation of the departmentin the courses offered by other departments**

Sr. No.	Names of Department	Course
1.	Engineering Sciences	Basic Electronics
2.	Computer Engineering	Microprocessor Interfacing & Techniques

3.	Computer Engineering	Digital Electronics and Logic Design
4.	Computer Engineering	Microprocessor Architecture
5.	Instrumentation Engineering	Digital Signal Processing
6.	Instrumentation Engineering	Digital Image Processing

7.   Courses in collaboration with other universities, industries, foreign institutions, etc.
NIL

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

9.   Number of Teaching posts

Teaching posts	Sanctioned	Filled
Professors	02	00
Associate Professors	04	04
Asst.Professors	12	14

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

Name	Qualification	Designation	Specialization	No.of Years of Experience Teaching (Yrs)	Industry (Yrs)	No. Of Ph.D. Students guided fort he last Fouer years
Dnyandeo Krishna Shedge	Ph. D.(E& TC)	Associate Professor	Dgital Signal Processing, Network Synthesis, Electronic Measurement, CMOS circuit design,	26	-	NIL

Pandurang A Patil	M. E. (Electronics),Ph.D. pursuing	Associate Professor	Microwave	26	-	NIL
Somnath B Dhonde	M. E. (Electronics),Ph.D. pursuing	Associate Professor	Electronics	9	4	NIL
Ms. Mousami S Vanjale	M. Tech. (Electronics),Ph.D. pursuing	Associate Professor	Digital Systems	11	1	NIL
Milind P Gajare	B.E.(E&TC),ME pursuing	Assistant Professor Professor	Analog and Integrated Electronics	9	2	NIL
Ms. Rupali S Pawar	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Microwave	9	-	NIL
Pokharkar Sagar Babanrao	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Microwave	7	-	NIL
Devendra A Itole	B.E.(E&TC), M.E.pursuing	Assistant Professor	Embedded System	5	1	NIL
Ms. Shobha S Nikam	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Microwave	6	-	NIL
Kunal V Ranvir	B.E.(E&TC), M.E.(Electronic	Assistant Professor	DSP, Embedded	3	2	NIL
Ms. Vineeta Philip	B.E.(E&TC), M.E.(Electronic	Assistant Professor	Digital Systems	8	-	NIL
Ms. M. J. Sagade	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Microwave	2	4	NIL
Ms. Piyusha K Nilegaonkar	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Signal Processing, VLSI & Embedded	5	2.5	NIL
Ganesh H Wani	B.E.(E&TC), M.E.pursuing	Assistant Professor	Communication	7	5	NIL
S. K. Mishra	B.E.(E&TC), M.Tech.(E&TC)	Assistant Professor	VLSI & Embedded System	2	2.5	NIL
Ms. Nilima Satish Warade	M. E. (E&TC), Ph.D. pursuing	Assistant Professor	VLSI & Embedded System, Digital Electronics	7	2.5	NIL

Ms. Priti Ashish	B.E.(E&TC), M.E.(E&TC.)	Assistant Professor	Digital Electronics	6	-	NIL
Ms. Thorat Saylee	B.E.(E&TC), M.E.(Electronic	Assistant Professor	Digital Electronics	1	-	NIL
P. L. Thube	B.E.(E&TC), M.E.(E&TC)	Assistant Professor	Digital Electronics	6	-	NIL

11.   List of senior visiting faculty: NIL

12.   Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
44.4% for UG

13.   Student-Teacher Ratio(programme wise)
15:1 for UG and 12:1 for PG programme

14.   Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Academic support staff	Sanctioned	Filled
Number of academic support staff (technical)	02	02
Number of administrative staff	06	06(Lab Attendant)

15.   Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil/ PG.

Qualifications	Number of teaching Faculty
Ph. D.	01
PG	14
UG	03

16.   Number of faculty with on going projects from a) National b) International funding agencies and grants received

Number of faculty With ongoing Projects from National funding agencies	Grants received From National Funding agencies	Number of faculty with ongoing projects from International funding agencies	Grants received From International Funding agencies
01	1.8 Lakhs	Nil	Nil

17.   Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. And total grants received:

Sr.No.	Name of Faculty	Funded By &Year	Amount(Rs.)
01	Mrs. M. S.Vanjale	BCUD-SPPU, Pune 2014-16	₹1,80,000/-

18.   Research Centre / facility recognized by the University: YES

19.   Publications:

   ∗   a) Publication per faculty: **Please Refer Table 3.4.3**

20.   Areas of consultancy and income generated: Nil

21.   Faculty as members in a) National committees b) International Committees c) Editorial Boards….: Nil

22.   Student projects
   a) Percentage of students who have done in-house projects including interdepartmental/ programme

Sr. No.	Year	No. of in-house projects	% of in-house projects
1	2014-15	16 (out of 25)	64
2	2013-14	11 (out of 24)	45.8
3	2012-13	17 (out of 26)	65.38
4	2011-12	8 (out of 19)	42.1
5	2010-11	17 (out of 25)	68

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

Sr. No.	Year	No. of projects in collaboration	% of projects done in collaboration
1	2014-15	9 / 25	36
2	2013-14	13 / 24	54.2
3	2012-13	9 / 26	34.62
4	2011-12	11 / 19	57.9
5	2010-11	8 / 25	32

23.   Awards/ Recognitions received by faculty and students

Faculty:

Sr. No.	Name of Faculty	Award
1	Ms.Shobha Nikam	Best GFM for A.Y: 2014-15

2	Ms. Mousami Vanjale	100% Result for the subject Robotics & Automation
3	Dr. D. K. Shedge	100% Result for the subject Advanced Measurement System
4	Mr. Sandeep Mishra	100% Result for the subject Entrepreneurship & Business Planning
5	M. J. Sagade	100% Result for the subject Image Processing and Pattern Recognition

Student:

Sr. No.	Name of Student	Award
1.	Raj Patil	Inter Engg. Sports SUMMIT 14 National Level Runner up
2.	Omkar Kale	Won Man of the series & Best Batsman award for Rajveer Trophy organized by D. Y. Patil College of Engg, Ambi in the year 2014
3.	Omkar Kale	Won Man of the Match award for Kalyan Karandak organized by Trinity College in the year 2015.
4.	Prasad Sandbhor	Versatalia 2011 Technodums PVG College of Engineering 2011 National 2^{nd}
5.	Tushar Phutane	Zenith - Alacrity 2011 Robotricks AISSMS - IOIT 2011 National 2^{nd}.
6.	Chaitanya Joshi	Versatalia 2011 Technodums PVG College of Engineering 2011 National 2^{nd}
7.	Prasad Sandbhor	Visvesvara'11 Paper Presentation D. Y. Patil I.E.T.,Pimpri 14^{th}& 15^{th} Sep. 2011 National 1^{st}
8.	Shrinidhi Upadhyay	Visvesvara'11 Paper Presentation D. Y. Patil I.E.T.,Pimpri 14^{th}& 15^{th} Sep. 2011 National 1^{st}

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

Sr. No.	Name of Visitor	Designation	Organization	Purpose of visit
1	Dr. Neil Hart	Professor	Stafford Shire University, UK	Foreign Collaboration

2	Dr. B. R. Sankpal	Professor	Dept. of Physics, North Maharashtra University-Jalgaon	Key note speaker & chief guest for the conference on Nanotechnology & its applications in Electronics Engg.
3	Dr. Nilima Iyer	Scientist	NCL, Pune	Resource Person for guest lecture
4	Dr. K. Samudravijay	Scientist	Tata Institute of Fundamental Research, Mumbai	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
5	Dr. Kishore Kumar	Professor	NIT Warangal	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
6	Dr. Laxminarayanan	Professor	Osmania University, Hyderabad	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
7	Dr. R .S. Holambe	Professor	SGGS IE&T, Nanded	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
8	Dr. S. D.Apte	Professor	JSPMs RSCOE, Pune	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
9	Dr. K. Shridhar	Professor	BEC, Bagalkot, Karnataka	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
10	Dr. M. S. Deshpande	Professor	JSPM , Narhe	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing
11	Dr. P. K. Ajmera	Professor	JSPM , Narhe	Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing

| 12 | Dr. Vibha Vyas | Professor | COEP, Pune | Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing |
| 13 | Mr. Pratap Sanap | Professor | ISRC, Pune | Key Resouce Person for STTP on Emerging Trends in Speech Signal Processing |

25.   Seminars/ Conferences/ Workshops organized & the source of funding
   a) **National**
   b) **International**

Sr. No.	Programme organized	National/ International	Source of funding
1	National conference in Futuristic Applications in Electronics Engineering	National	Institute
2	National conference in Nanotechnology and its Applications in Electronics Engineering	National	CSIR
3	1 week STTP in Emerging Trends in Speech Signal Processing	National	University of Pune

26.   Student profile programme/coursewise:

Name of the Course/ programme (refer question no.4)	Year	Application received	Selected	Enrolled *M	Enrolled *F	Passpercentage
UG (Electronics Engineering)	2014-15	As the admission process is governed by DTE. The rules and regulations of DTE are followed in the		33	10	58.97
	2013-14			24	27	66.66
	2012-13			30	17	74.46
	2011-12			34	22	67.85
	2010-11			35	16	80.39

*M = Male*F = Female

Name of the Course/ programme (refer question no.4)	Year	Application Received	Selected	Enrolled		Passpercentage
				*M	*F	
PG (Electronics)	2014-15	As the admission process is Governed by DTE. The rules and regulations of DTE are followed in the		11	5	-
	2013-14			7	7	100%

27.   Diversity of Students (data from office)

Name of the Course	Year	% of students from the samestate	% of students from other States	% of students from abroad
UG	2014-15	64.06%	3.12%	0%
	2013-14	76.56%	3.12%	0%
	2012-13	68.75%	4.68%	0%
	2011-12	81.25%	6.25%	0%
	2010-11	75.40%	8.19%	0%
PG	2014-15	85.82%	14.28%	Nil
	2013-14	100%	nil	

28.   How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services,Defense services, etc.?   Refer table 5.1.7

29.   Student progression   Refer table 5.2.1

30.   Details of Infrastructural facilities
   a) Library
        Title: 93
        Volume: 386
        Project reports: 386
   b)   Internet facilities for Staff & Students

Total 12Mbps broadband leased line.
Out of this 10Mbps line is shared by staff and students.
Office: 2Mbps

c) Class rooms with ICT facility: 03

d) Laboratories

Sr. No.	Name of the lab	Name of faculty Incharge & Support Staff	Room no.	Facilities
1	Project Lab	Mr. S. K. Mishra Mr. Datta Pasalkar	401	PC's, Simulation S/w, Multisim 11,12, Printer
2	LIC & Measurement Lab	Ms. Vineeta Philip, Mr. Datta Pasalkar	402	CRO, FG,PS, DSO, Mixed Storage Oscilloscope, Spectrum Analyzer, LCR-Q meter, Distortion Meter, Arbitrary Waveform Generator
3	Digital & Microcontroller	Ms. Piyusha Nilegaonkar Mr. Anand Damare	403	Digital trainer kits, Digital IC Tester
4	Power Lab	Mr. Pokharkar Sagar Mr. A. B. Damare	406	CRO,FG,PS, Power electronics kits
5	Electronic Circuit Lab	Ms. Shobha Nikam Mr. H. S. Bale	407	Basic exp. Kits CRO,FG,PS
6	Communication Lab	Ms. M. S. Vanjale Mr. H. S. Bale	408	CRO,FG,PS, DSOs, Communication kits, trainer kit
7	Embedded & VLSI Lab	Mr. P. L. Thube Mr. Data Pasalkar	412	PC's, Xilinx software, Microwind software, Spartan-2,Spartan3, Spartan-6 board, CPLD Board, SPJ's Microcontroller CPU and peripheral Kits, Printer

31. Number of students receiving financial assistance from college, university, government or other agencies

Sr.No.	Name of Agency	No. of Students receiving financial assistance		
		2014-15	2013-14	2012-13
1	From state and central Government facility (SC,VJNT,SBC & OBC)	108	107	83
2	Director of Technical Education (EBC)	47	39	30
3	Minority Scho. (DTE)	0	2	5
4	Zila Parishad STC & PTC	2	5	6
5	Higher Education (Central Sector Scho.)	0	2	0
	Total	157	**155**	**124**

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sr. No.	Lectures/workshops/seminar	Topic	Day and date	Attendees
Seminar				
1	Seminar on Robotics &Automation		10.7.2014	BE students
Guest Lecture				
1	Expert lecture on VLSI Design (FPGAs)		21/8/14	BE students
2	Expert lecture on Mobile Communication		04/09/14	BE students
3	Expert lecture on Network Theory		18/09/14	SE students
4	Expert lecture on Signals and Systems		22/08/14	SE students
5	Expert lecture on Employability Skills in Electronics Design		20/09/14	TE students
6	Expert Lecture on MCA		16/09/14	TE students
7	Expert lecture on VHDL Programming		02/09/14	SE students
8	Expert lecture on RTOS		18/09/14	BE students

9	Expert lecture on Electronic System Design	17/09/14	BE students
10	Expert lecture on Electronic Devices and circuits	22 /09/14	SE students
11	Expert lecture on Laplace Transform	23/8/13	TE students
12	Expert lecture on Network Theory	3/10/13	SE students
13	Expert lecture on H- Parameters	5/10/13	SE students
14	Expert lecture on Communication	14/9/13	SE students
15	Expert lecture on VLSI	28/8/13	BE students
16	Expert lecture on PCB Design & Fault Finding for ESD	4/9/13	BEstudents
17	Expert lecture on IPTV	18.03.14	BE students
18	Expert lecture on Process Automation	08.01.14	BE students
19	Expert lecture on Applications of Computer Networking	18.03.14	BE students
20	Expert lecture on Artificial Intelligence	27.03.14	BE students
21	Expert lecture on Image Processing and Machine Vision	28.03.14	BE students
22	Expert lecture on Speech Processing and Research Aspects	26.03.14	TE students
23	Expert lecture on PLC & its Applications	04.04.14	BE students
24	Expert lecture on Recent trends in Embedded System	21.03.14	TE students
Workshop			
1	1 day workshop on 'Microwind'	4.9.14	BE students
2	1 day workshop on 'Proteus'	28.7.14	TE students
3	1 day workshop on 'Fourier Series & Fourier Transform'	31.7.14	SE students
4	2 days workshop on "Robotics & Automation"	8.8.2014 to 9.8.2014	BE students

5	One day workshop on PIC	21/9/2014	BE students
6	Workshop on Entrepreneurship and Finance Management	23.09.2014	BE students
7	Two days workshop Electronic Design Practice	02/08/2013 and 03/08/2013	All TE students
8	One day Workshop Training program on Proteus software	13/09/2013	All TE students
9	One Day Workshop Process automation	18.2.14	BE students
10	One Day Workshop Workshop on Soft skills	18.03.14	SE students
11	One Day Workshop Process automation	18.2.14	TE students

33. Teaching methods adopted to improve student learning

- Apart from regular teaching through blackboard, seminars, workshops and technical contests are arranged.
- Special coaching classed for the preparation of placement by external agencies is organized.
- Tutorial classes are arranged for the students to improve their problem solving skills.
- Conduction of class tests after completion of prescribed syllabus.
- Monthly and need based counseling sessions are arranged for the students to understand their needs and to help them in their problems.
- Guest lectures and industrial visits are arranged to create interest about specific topics among students and to enhance their knowledge.

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

Different student oriented programmes are organized such as:

- NSS camps
- Blood donation camps
- Donation drives for orphanages
- Health awareness programmes

35. SWOC analysis of the departmentand Future plans

Strengths:
- Good motivated faculty.
- Good interaction with outside world.
- Reasonably good qualified faculty.
- Well established laboratories.
- One of our students was the member to develop pico satellite in ISRO.
- Strong support from the institute for organizing conferences/ Workshop, Industrial Visits
- Sufficient funding for attending FDPS/ STTPs.

Weaknesses:
- Less number of Sponsored research.
- No consultancy.
- Poor Placement activity
- Lack of training for existing supporting staff

Opportunity:
- Collaboration with industries.
- Encouragement for pursuing higher studies/research.

Challenges:
- Competition with emerging local and private colleges and foreign universities.
- Prescribed syllabus is not at par with the fast pace developments in industry.

Future plans:
- Organization of International Conference.
- To offer consultancy services
- To increase R&D activities

Evaluative Report of the Electronics & Telecommunication Engineering Department

1. **Name Of The Department** : Electronics & Telecommunication Engineering

2. **Year of Establishment**: 2008

3. **Namesof Programmes/ Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D.,etc.)**
   UG:
   B.E (Electronics & Telecommunication Engineering)

4. **Names of Interdisciplinary courses and the departments/ units involved**

Sr. No.	Names of Interdisciplinary courses	Departments/ units involved
1.	Engineering Mathematics III	Engineering Science Department
2.	Object Oriented Programming	Information Technology
3.	Signal System	Electronics
4.	Electronics Product Design	Electronics
5.	Digital Control System	Electrical Engineering

5. **Annual/ semester/ choice based credit system (programmewise)**
   UG - Semester-Pattern.

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

Sr. No.	Names of Department	Course
1.	Information Technology	Digital Electronics

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
   Refer table 1.2.1

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

9. **Number of Teachingposts**

Teaching posts	Sanctioned	Filled
Professors	2	00
Associate Professors	4	03
Asst. Professors	18	21

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

Sr. No	Name	Qualification	Designation	Specialization	No.of Years of Experience		No. Of Ph.D. Students guided for the last Four years
					Teaching(Yrs)	Industry (Yrs)	
1.	Mrs. M.P. Sardey	M.Tech Electronics	Associate Professor	Computer	21yrs	NIL	NIL
2.	Dr. V.K.Bairagi	Ph.D.	Associate Professor	Medical Signal Processing, Data Compression	10yrs	NIL	NIL
3.	Mrs. H. D Shinde	ME	Associate Professor	Microwave	15 yrs	7yrs	NIL
4.	Mrs.V.k. Patil	M. Tech Electronics	Assistant Professor	Computer	14 yrs	2 yrs	NIL
5.	Ms. M. R. Wanjre	M.E	Assistant Professor	VLSI and Embedded	5yrs	NIL	NIL
6.	Mrs.S.V. Lohar	M.E E & TC	Assistant Professor	Signal Processing	8 yrs	NIL	NIL

7.	Ms. A. A. Prabhu	MS	Assistant Professor	Communication Systems	4.5 yrs	NIL	NIL
8.	Mr. S. R. Kokane	M. Tech	Assistant Professor	Advanced Communicatio	4.5 yrs	NIL	NIL
9.	Prof. Mrs.D.M Yewale	M.E Electronics	Assistant Professor	Digital Systems	10 .5 yrs	NIL	NIL
10.	Ms.G.G kulkarni	M.E E &TC	Assistant Professor	Signal Processing	3.5yrs	NIL	NIL
11.	Mr. V.J. Desai	M.Tech E & TC	Assistant Professor	Embedded Systems	3.5 yrs	6 mont	NIL
12.	Mr.S.R. Pawar	M.Tech Electronics	Assistant Professor	Electronics	5 Yrs	NIL	NIL
13.	Mr.V.N Ghodke	M.E	Assistant Professor	Digital Systems	17 yrs	NIL	NIL
14.	Mrs.G.D. Salunke	M.E	Assistant Professor	Electronics	16 yrs	NIL	NIL
15.	Mr.R.N. Jadhav	M.Tech	Assistant Professor	Electronics Design & Technology	4.5 yrs	NIL	NIL
16.	Mrs. R. A. Thakare	ME E & TC	Assistant Professor	Digital Electronics	11 yrs	NIL	NIL
17.	Mr. C. K. Bhange	M.Tech Electronics	Assistant Professor	Instrumentation	6yrs	2 yrs	NIL
18.	Ms. M.K. Das	ME	Assistant Professor	Electronic Design and Technology		NIL	NIL
19.	Ms. A.S. Phatak	ME E &TC	Assistant Professor	Signal Processing	1 Year	NIL	NIL
20.	Ms. A.J. Maidamvar	M.Tech	Associate Professor	E&TC	1 Year	6 Mont	NIL
21.	Mrs. N.A. Deshmukh	M.E.Electronics	Assistant Professor	Digital Systems	3.5 Yrs	1.5 Yrs	NIL
22.	Ms. P.P. Belsare	M.E.	Assistant Professor	Signal Processing	1.5 Yrs	NIL	NIL
23.	Ms. Jannu P.V.	M.E.Electronics	Assistant Professor	Instrumentation	3.5 Yrs	1 Year	NIL

| 24. | Ms. T.S. Bodhe | M. E. | Assistant Professor | Signal Processing | 1 Year | NIL | NIL |

11.   **List of senior visiting faculty**: NIL

12.   **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 57.78 % for UG

13.   **Student-Teacher Ratio (programme wise):** 15:1

14.   **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

Academic support staff	Filled	Sanctioned
Numberof academic support staff (technical)	3	3
Number of administrative staff	4	4 (Lab Attendant)

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

Qualifications	Number of teaching Faculty
Ph. D.	01
PG	23
UG	00

16.   **Number of faculty with on going projects from a) National b) International funding agencies and grants received**

Number of faculty With ongoing Projects from National funding agencies	Grants received From National Funding agencies	Number of faculty with ongoing projects from International funding agencies	Grants received From International Funding agencies
1	₹3 lakhs	NIL	NIL

17.   **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. And total grants received**

Sr. No.	Name of the Research Project	Name of PI/ CO-PI	Funding Agency	Amt. (Rs. Lakhs)	Year

1	Efficient Hardware Implementation of Digital Communication Systems	Mrs. V.K. Patil	BCUD, SPPU, Pune.	₹2 Lakhs	2012
2	Implementation of RFID Based Interactive Maharashtra Map	Mrs. V.K. Patil	Forest Department, Junnar, Govt. of Maharashtra.	₹1 Lakh	2013

18.   ResearchCentre /facility recognized bythe University: Nil

19.   Publications: a) Publication per faculty **Please Refer Table 3.4.3**

20.   Areas of consultancy and income generated: Nil

21.   Faculty as members in a) National committees   b) International Committees c) Editorial Boards

Sr. No.	Committee	No. of Faculty
1	Nationalcommittees	Nil
2	InternationalCommittees	Nil
3	Editorial	01
4	Reviewer	01

22.   Student projects

a) Percentage of students who have done in-house projects including interdepartmental / programme

Sr. No.	Year	No. of in-house projects	% of in-house projects
1	2014-15	21 (out of 26)	80.76 %
2	2013-14	22 (out of 24)	91.6 %
3	2012-13	14 (out of 16)	87.5%

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

Sr. No.	Year	No. of projects in collaboration	% of projects done in collaboration

1	2014-15	5 / 26	19.2 %
2	2013-14	2 / 24	8.3 %
3	2012-13	2 / 16	12.5%

23.　Awards/ Recognitions received by faculty and students

Faculty:

Sr. No.	Name of Faculty	Award
1	Dr. V. K.Bairagi	IEI Young Engg.
2	Prof.C.K. Bhange	100% result in subject Computer Networks

Student:

Sr. No.	Name of Faculty	Award
1	Pratik Kutre	PPTEEI , Mind Spark 14,COEP,Pune
2	Pratik Kutre	Innovision, Mind Spark 14,COEP,Pune
3	Sayali Bhadale	Quiker, Sinhgad Karandak ,SCOE

24.　List of eminent academicians and scientists/ visitors to th department

Sr. No.	Name of Visitor	Designation	Organization	Purpose of visit
1	Dr. Renu Batra	Joint Secretary	UGC	Lecture to Provide Good Education
2	Dr. Ashok B. More	Prof. & HOD Civil Engg.	PVPIT Pune (ISTE, New Delhi)	Student's Chapter Inauguration
3	Dr. Vijay D. Gokhale	Technical Director	Pi Tech Solutions, Sunbeam Institute of Information Technology, Sterling Systems	Speaker of Embedded Workshop
4	Mr Chintan Khambojia	Application Engineer	Edutech Baroda	Speaker of Embedded Workshop

25.　Seminars/ Conferences/ Workshops organized & the source of funding
　　a) National
　　 b) International

Sr. No.	Programme organized	National/ International	Source of funding
1	Short term training programme on Emerging challenges for technocrats in Digital Signal Processing"	National	ISTE-SRM

26. Student profile programme/ coursewise:

Name of the Course/ programme (refer question no. 4)	Year	Application received	Selected	Enrolled *M	*F	Passpercentage
UG (Electronics & Telecommunication Engineering)	2014-15	97	97	51	46	77.45
	2013-14	99	99	47	52	83.66
	2012-13	101	101	54	47	81.3
	2011-12	58	58	36	22	73.77
	2010-11	55	55	31	24	87.27

*M = Male*F = Female

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
UG	2014-15	99%	1%	Nil
	2013-14	98.8 %	1.2%	
	2012-13	99%	1%	
	2011-12	96.5%	3.5%	
	2010-11	98 %	2%	

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**   **Refer table From Criterian 5.1.7**

29. **Student progression Refer table From Criterian 5.2.1**

30. **Details of Infrastructural facilities**
    a) **Library-**Yes- Departmental Library
        a. Total No. of Books-185
        b. No. of Project reports-64
        c. No. of seminar reports-64
    b) **Internet facilities for Staff & Students-**
        12 Mbps Leased Line (Tata Telecommunication Limited)
        Out of this 10Mbps line is shared by staff and students.
        Office: 2Mbps
    c) **Class rooms with ICTfacility** -04
    d) **Laboratorie**

Sr. No.	Name of the lab	Name of faculty Incharge & Support Staff	Room no.	Facilities
1	Project lab	S. R. Pawar	301	Computers, Xylinx, Multisim
2	Digital Electronics Lab	S. R. Pawar	302	Digital Kits, Basic Measuring Instruments
3	Electronic Ckt lab	D. M. Yewale	303	Basic Measuring Instruments
4	Advance Communication lab	V. N. Ghodke	306	Communication Kits, Advanced Equipments
5	Computer Lab, VLSI Lab	V. K. Patil	307	Computers, MATLAB, Multisim,M P Lab, Eagle, Keil
6	Microwave & measurement	G. G. Kulkarni	308	Microwave Kits, WTA Kits
7	Basic ElectronicsLab	G. D. Salunke	218	Basic Measuring Instruments
8	Microcontroller & Embedded System	S. V. Lohar	313	Embedded & MCA Kits, PCs

31. Number of students receiving financial assistance from college, university, government or other agencies

Sr.No.	Name of Agency	No. of Students receiving financial assistance		
		2014-15	2013-14	2012-13
1	From state and central Government facility (SC,VJNT,SBC & OBC)	196	164	122
2	Director of Technical Education (EBC)	67	79	32
3	Minority Scho. (DTE)	2	3	5
4	Zila Parishad STC & PTC	5	10	7
5	Higher Education (Central Sector Scho.)	1	3	4
	Total	**271**	**259**	**170**

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

Sr. No.	Lectures/workshops/ seminar	Topic	Day and date	Attendees
Seminar				
1	K-Imagination, Pune	PCB design and manufacturing process for SE(B)	04/08/ 2014	Students
Guest Lecture				
1	Omron automation, Pune	Application of PLC using Ladder Diagram SE(A,B,C)	28/03/ 2015	Students
2	Tarang India	Basic Antenna and Antenna Array for TE(A,B)	23/03/ 2015	Students
3	Aurionpro Solutions	Industrial Management for TE(A)	18/03/ 2015	Students

4	Salakar Pvt Ltd	HR Management for TE(A,B)	28/02/ 2015	Students
5	Logic Power	PLL and its Applications for SE(A,B,C)	11/02/ 2015	Students
6	Durdarshan Kendra	Trends in TV Broadcasting BE	03/02/ 2015	Students
7	Seagate Technology	VLSI design and technology for BE	25/09/ 2014	Students
8	Logic Power	MOSFET for SE(A)	25/09/ 2014	Students
9	Tech Consultant	Employability Skills in Electronic Design on SMPS Design for TE(A,B)	24/09/ 2014	Students
10	Wavelet group	Application on signals and system for SE(B)	20/09/ 2014	Students
11	Vishay Components	SMPS Design for TE(A,B)	20/09/ 2014	Students
12	UOP, Pune	Wavelets and its application for BE	19/09/ 2014	Students
13	Tech consultant	Power amplifier for SE(A,B,C)	16/09/ 2014	Students
14	Anshuman Tech Pvt. Ltd	Frequency counter and AM/FM using function generator for SE(A,B,C)	14/08/ 2014	Students
15	Eaglet, Pune	Embedded Linux for BE	13/08/ 2014	Students
16	Wavelet Technologies Pvt. Ltd.	Application development on DIPLAB for BE	18/07/ 2014	Students
17	SigPro systems	Technology trends in Industrial Environment for BE	10/07/ 2014	Students
Workshop				
1	Tarang India	Antenna Design using EM simulation software	23/03/ 2015	Students &Staff
2	AISSMS, IOIT Pune	VLSI Test benches	25/09/ 2014	Students & Staff
3	Wavelet Technology PVT,LTD, Pune	Application development on DIPLAB-1.0	18/07/ 2014	Students & Staff

33. Teaching methods adopted to improve student learning

Apart from regular teaching through blackboard, Assignments, we are adopting following practices

- Organizing Industrial visits, expert lectures workshops and seminars.
- Organizing and motivating students for technical events.
- Career guidance classes and expert lectures for opportunities after graduation
- Tutorial classes are arranged for the students to improve their problem solving skills.
- Conduction of class tests after completion of prescribed syllabus.
- Monthly and need based counseling sessions for students
- 50:10 teaching module

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

Programmes are organized such as:

- NSS camps
- Blood donation camps
- Donation drives for orphanages

35. SWOC analysis of the department and Future plans

Strengths:

- Good motivated dynamic faculty.
- Interaction with outside world.
- Well established laboratories.
- Strong support from the institute for organizing conferences/ Workshop, Industrial Visits
- Sufficient funding for attending FDPS/STTPs.

Weaknesses:

- Poor Placement activity
- Inadequate number of supporting staff and lack of training for existing supporting staff

Opportunity:

- Placement in core telecommunication companies

Challenges:

- Competition with emerging local and private colleges and foreign universities.

Future plans:
- To increase sponsored projects
- To offer consultancy services
- To increase R&D activities
- To increase T & P activities

<div align="center">**Evaluative Report of the Electrical Engineering Department**</div>

1. Name of the department: Electrical Engineering Department

2. Year of Establishment: 1999

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D.,and Integrated Masters; Integrated Ph.D., etc.):
>   U.G. - B.E. (Electrical Engineering)
>   P.G. - M.E. (Power Electronics and Drives)

4. Names of Interdisciplinary courses and the departments/units involved:

Names of Interdisciplinary courses	Departments involved
Engineering Mathematics III	Engineering Science

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

Names of Course	Departments involved
Basic Electrical Engineering	Engineering Science
Digital Control System	Electronics Engineering and E&TC engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Refer table 1.2.1

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

9. Number of teaching posts:

	Sanctioned	Filled
Professor	01	…
Associate Professor	03	03
Asst. Professor	08	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.) Year- 2014-15

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr S. V. Shelar	ME Electrical University of Pune (2004)	Asso. Professor	Power System	15	00
Mr S. M. Chaudhari	ME Electrical University of Pune (2004)	Asso. Professor	Control System	16	00
Mrs A. D. Shiralkar	ME Electrical University of Pune (2000)	Asso. Professor	Control System	15	00
Mrs K. S. Gadgil	ME Electrical University of Pune (2010)	Asst. Professor	Power System	14	00
Mr S. S. Shingare	ME Electrical Shivaji University, Kolhapur (2004)	Asst. Professor	Power System	12	00
Mrs. S. S. Landge	ME Electrical University of Pune (2003)	Asst. Professor	Power System	14	00
Mr V. S. Kamble	ME Electrical Bharti Vidaypeeth (2010)	Asst. Professor	Power System	15	00
Mrs Saba M. Shaikh	M.Tech Electrical University of Pune (2009)	Asst. Professor	Power System	08	00
Mrs V. P. Kuralkar	ME Electrical BhartiVidaypeeth	Asst. Professor	Power System	08	00
Mr. Prashant Mahajan	ME Electrical University of Pune (1999)	Asst. Professor	Control System	14	00
Mr. S. A. Mahindrikar	ME Electrical University of Pune (2009)	Asst. Professor	Control System	04	00

Miss Amruta Rane	ME Electrical University of Pune	Asst. Professor	Control System	07	00
Mrs. N. M. Rao	ME Electrical University of Pune	Asst. Professor	Control System	07	00
Mr. S. M. Karodi	ME Electrical University of Pune (Appeared)	Asst. Professor	Control System	04	00
Mr. D. Saxena	ME Electrical BhartiVidaypeeth (Appeared)	Asst. Professor	Power System	02	00
Sanket Asarkar	ME Electrical University of Pune (Appeared)	Asst. Professor	Power Electronics & Drive	1.5	00
Sheetal Kaw	ME Electrical University of Pune (Appeared)	Asst. Professor	Power Electronics & Drive	01	00

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty: 31.12%

13. Student-Teacher Ratio (Programme wise):
15:1 for UG and 12:1 for PG programme

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Supporting Staff	Sanctioned	Filled
Technical Staff	6	6
Administrative Staff	3	3 (Lab attendant)

15. Qualifications of teaching faculty with D.Sc. /D.Litt. /Ph.D./MPhil/PG.

Qualification	No. of Faculty
PhD	00
PG	13
UG	04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

a) National

Number of Faculty with ongoing projects from National funding agencies	Funded By	Amount (Rs)
01	BCUD-SPPU,Pune	₹ 2,00,000/-

b) Number of Faculty with ongoing projects from International agencies: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sr.No.	Name of Faculty	Funded By &Year	Amount(Rs.)
01	Mrs. A. D. Shiralkar	BCUD SPPU,Pune 2014-16	₹ 2,00,000/-

18. Research Centre /facility recognized by the University: NIL

19.Publications: a) Publication per faculty: Please Refer Table 3.4.3

20. Areas of consultancy and income generated:

Sr. No.	Year	LAB	Income Generated	Description
01	2014-15	High Voltage	₹ 10,000/-	Performance of practical of subjects SGP,HV for the students of Universal college of Engineering, Pune
02		Switchgear and Protection	₹ 10,000/-	

21. Faculty as members in A) National committees b) International Committees c) Editorial Boards:

Faculty as members in	National committees	International Committees	Editorial Boards
	00	01	00

22. Student Projects

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

Academic Year	Total no. of Students	In-house Projects
2014-15	69	45.83%
2013-14	60	61.9%
2012-13	79	75.86%
2011-12	54	71.42%
2010-11	64	43.47%

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

Academic Year	Total no. of Students	Sponsored projects
2014-15	69	54.17%
2013-14	60	38%
2012-13	79	24.14%
2011-12	54	19%
2010-11	64	52.17%

23. Awards / Recognitions received by faculty and students:

A) Faculty

Sr. No	Academic Year	No. of Awards received	Awards received by the faculty	Recognitions received from reputed professional bodies and agencies nationally and internationally
1.	2010-11	10	Best HOD Award, Best GFM Award, Best Teacher award, Best GFM Award, 100% Results.	AISSMS's , IOIT
2.	2011-12	08	Best HOD Award, Best GFM Award, Best Teacher award, Best GFM Award, 100% Results.	AISSMS's , IOIT
3.	2011-12	01	Cambridge International Certification for Teachers and Trainers for Innovative Teaching.	Cambridge University
4.	2012-13	03	Best Teacher , 100% result	AISSMS's , IOIT
5.	2013-14	04	Best Teacher, Best GFM 100% result	AISSMS's , IOIT

B) Students

Sr. No	Contest	Year	Level	No. of Awards/ Prizes
1	**Paper presentation Competition**	2013-14	Department	03
		2012-13	National	01
			Department	03
		2011-12	National	03
			Department	02
		2010-11	National	02
			Department	02
2	Poster competition	2013-14	college	01
		2012-13	Department	04
		2011-12	Department	07
3	Project competition	2013-14	Department	03
			Local level	01
		2012-13	Department	03
		2011-12	Department	03
			National	01
		2010-11	Department	03
4	Model competition	2013-14	Department	03
		2012-13	Department	03
		2011-12	Department	03
		2010-11	Department	01
5	Sports	2013-14	Department	02
		2012-13	University	01
			intercollegiate	01
			Department	15
		2011-12	Department	14
6	Singing	2009-10	State	01
			Local	01
7	Others	2012-13	Department	10
		2011-12	National	01
			Department	03

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

Sr.No.	Name of Eminent visitor	Designation	Organization	Purpose of Visit
1	Dr. P.B karindikar	Associate Professor	AIT , Pune	Speaker for the workshop

2	Dr. J.G Ghodekar	Ex Principal	GCOE , Karad	Speaker for the workshop
3	Dr. Ravindra Utgikar	Head	Global business development	Speaker for the workshop
4	M.S Sutaone	Professor	GCOE , Pune	Speaker for the workshop
5	G.N Jadhav	Asst Professor	Zeal COE , Pune	Speaker for the workshop
6	Dr. S.E Talole	Professor	DIAT , Pune	Speaker for the workshop
7	Dr. S. Kurode	Professor	GCOE , Pune	Speaker for the workshop
8	Dr. Vrunda Joshi	BOS-Chairman	PVGCOE , Pune	Speaker for the workshop
10	Amol Agarkar	CRG Engg	Prolific System	Speaker for the workshop
11	Bhagyashri Sarangpani	MD	Bhasha Technologies	Speaker for the workshop
12	Ajay Deshmukh	Marketing Manager	Honeywell Automation	Expert Lecture
13	Rajesh Nikam	MD	Applicon Systems Pvt Ltd	Expert Lecture
14	Dr. P.K Katti	Professor	B.A Tech University , Lonere	Speaker for the workshop
15	Dr. R.C Prasad	Professor	CME , Pune	Speaker for the workshop
16	Dr. D J Doke	Ex-Dean Ex-Principal	Pune University, COEP &PVG's COET,Pune	Speaker for the workshop
17	S.S Inamdar	Principal	SIT Lonawala	Expert Lecture
18	Dr. Ajay Deshmukh	Professor	DACOE , Karad	Speaker for the workshop
19	Dr.P.M joshi	Assoc. Professor	GCOE , Karad	Speaker for the workshop

20	Dr. P.K Brahmankar	HOD	BATU, Lonere	Speaker for the workshop
21	A.M Kulkarni	Professor	IIT , Powai	Speaker for the workshop
22	H.V Joshi	MD	VI star Electronics P Ltd .	Expert Lecture
23	V. W Bagul	Head BD Maharashtra	Winwind SATARA	Expert Lecture

25. Seminars/ Conferences/ Workshops organized & the source of funding

a) National

Name of the Event Organized	2014 - 15	2013-14	2012-13	2011-12	2010-11	2009-10	Source of funding
National Workshop	**01**	**01**	**--**	**--**	**--**	**01**	**SPPU & Institute**
Guest Lecture	**8**	**18**	**14**	**23**	**20**	**20**	**Institute**
Industrial Visit	**5**	**15**	**11**	**14**	**13**	**12**	**Institute**

b) International: Nil

26. Student profile Programme/course wise:

Name of the Course/Programme	Academic Year	Applications received	Selected	Enrolled *M	Enrolled *F	Pass Percentage
BE (Electrical Engineering)	2014-15	As the admission process, is governed by DTE. All the rules and regulations are followed are as per DTE		40	16	--
	2013-14			34	16	76%
	2012-13			44	13	71.7%
	2011-12			42	08	73.91%
	2010-11			49	10	84.74%

Name of the Course/Programme	Academic Year	Applications received	Selected	Enrolled *M	*F	Pass Percentage
ME (Power Electronics and Drives)	2014-15	As the admission process, is governed by DTE. All the rules and regulations are followed are as per DTE		05	05	-
	2013-14			10	05	-

27. Diversity of Students

Name of the course	Academic Year	% of students from the state	% of students from other states	% of students from abroad
BE (Electrical Engineering)	2014-15	84.37%	3.12%	0%
	2013-14	71.87%	6.25%	0%
	2012-13	84.37%	4.68%	0%
	2011-12	71.87%	6.25%	0%
	2010-11	90.16%	6.55%	0%
ME (Power Electronics and Drives)	2014-15	100%	Nil	Nil
	2013-14	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
Refer table From Criterion 5.1.7
Students cleared examinations of civil services-

Sr No	Academic Year	Name of the company	No. of students Placed
1.	27/28 September 2010	Indian Army	01
2.	2011-12	UES-22(Army)	04
3.	2012-13	Army-SSB	02
4.	2013-14	Army-SSB	01
5.	2014-15	Army-SSB	03

29. Student progression: Refer table From Criterian 5.2.1

30. Details of Infrastructural facilities
a) Library
- Titles: 244
- Technical Magazines and others: 155
- Journals: 35
- Project reports: 157

b) Internet facilities for Staff & Students

- Internet service: Total 12Mbps leased line (Tata Telecommunication Ltd.)
- Out of this 10Mbps line is shared by students and staff and office section has 2Mbps

c) Class rooms with ICT facility: 03

d) Laboratories

Room No	Name of Lab	Utilization Period per day	Technical staff	Duration beyond working hours
202	Industrial Drives and Power Electronics Laboratory/ Reserch Laboratory	8 am to 5 pm	Mr. Pawar Santosh Nagnath	3pm to 5 pm beyond working hours (1day per week)
208	Power System and Switchgear & Protection Laboratory	8 am to 5 pm	Mr. Ghatage Kedar Dattatray	3pm to 5 pm beyond working hours (1day per week)
211	Microprocessor and Control System Laboratory	8 am to 5 pm	Ms. Raundale Suchita Digambar	3pm to 5 pm beyond working hours (1day per week)
212	Electrical Measurement & Instrumentation Laboratory	8 am to 5 pm	Ms. Raundale Suchita Digambar	3pm to 5 pm beyond working hours (1day per week)
207	Project Laboratory/ PG	8 am to 6 pm	Mr. Ghatage Kedar	3pm to 5 pm beyond working hours (3

	Computer Center		Dattatray	days per week)
012	Electrical Machines Laboratory I	8 am to 5 pm	Mr.Raut Rakesh Shivaji	3pm to 5 pm beyond working hours (1day per week)
013	Electrical Machines Laboratory II	8 am to 5 pm	Mr.Raut Rakesh Shivaji	3pm to 5 pm beyond working hours (1day per week)
014	High Voltage Laboratory	8 am to 5 pm	Mr. Pawar Santosh Nagnath	3pm to 5 pm beyond working hours (1day per week)

Curriculum Lab Description		Facilities Exist
Room No	**Name of Lab**	
212	Measurement & Instrumentation Laboratory	20 Computers with internet Connection and softwares like MATLAB. Black board
207	Project Lab	16 Computers with internet Connection and softwares like MATLAB, EDSA. Black board

31. Number of students receiving financial assistance from college, University, government or other agencies

Sr.No.	Name of Agency	No. of Students receiving financial assistance		
		2014-15	**2013-14**	**2012-13**
1	From state and central Government facility (SC,VJNT,SBC & OBC)	102	98	112
2	Director of Technical Education (EBC)	49	40	35
3	Minority Scho. (DTE)	0	1	4
4	Zila Parishad STC & PTC	7	3	4
5	Higher Education (Central Sector Scho.)	0	0	0
	Total	158	142	155

32. Details on student enrichment Programme (special lectures/ workshops/ seminar) with external experts: Year 2013-14

Module Description	Any other Contribu tory	Organized By	Durati on	Resource Person	Target Audie nce
Introduction to Project Management	Mahindra Satyam, Pune	Mrs. A. D. Shiralkar	04/07/ 2013	Ms. Shrutika Gaikwad Project Manager	(BE) 53
Scope of GATE Examination	GATE Forum	Mrs. K. S. Gadgil	10/07/ 2013	Mr. Devendra Marathe	(TE) 71
Final Year Project Themes & Guidelines		Mr. S. V. Shelar	18/07/ 2013	Dr. J. G. Ghodekar	(BE)5 6
Programmable Logic Controllers and its applications	Honeywe ll Automati on India Ltd, Pune	Mrs. A. D. Shiralkar	23/07/ 2013	Mr. Ajay Deshmukh	(BE) 50
PLC and its applications	ITI, Aundh, Pune	Mrs. A. D. Shiralkar	26/08/ 2013	Mr. D. V. Kulkarni Sr. Training Officer,	(BE) 57
Quality Management System	Intevalve (India), EI. O. Matic Pvt. Ltd., Hdapsar, Pune	Mr. S. S. Shingare	02/09/ 2013	Mr. M. Misal	(BE) 56
Nanotechnology	Army institute of technolog y, Pune	Mrs. S. M. Shaikh	03/09/ 2013	Mr. P. B. Karandika r	SE (66)
Use of PLC & SCADA in power system operation & control	S & K associates , Pune	Mrs. S. S. Landge	03/09/ 2013	Mr. Sachin Kadam	

BJT amplifiers, AC & DC load line analysis		Mrs. K. S. Gadgil	16/09/2013	Mrs. M. S. Vanjale	(SE)
Industrial Automation overview	Advoit Auto Tech	Mr. S. M. Karodi	20/12/14	Mr. Raendra Joshi Director	BE (29)
Career in Automation for students of Electrical Engg.	Analogic Automation, Pune	Mrs. A. D. Shiralkar	25/02/14	Mr. Barure O. N.	TE (58)
Entrepreneurship development	Indotech Industrial solutions Pvt. Ltd.	Mrs. S. M. Shaikh	26/02/14	Mrs. Hemlata Janjire	SE & TE (39)
Opportunities in Abroad UK, USA etc		Mrs. V. P. Kuralkar	10/02/14	Mr. Prashant Singh	TE (54)
Disaster Management		Mr. S. M. Chaudhari	04/03/14	Mr. Anil Dandekar	
High Voltage Engg. – Oral Discusion		Mrs. S. M. Shaikh	07/03/14	Mrs. M. H. Dhend	BE (34)
Discussions on the changes in format of GATE Examination		Mrs. V. P. Kuralkar	11/03/14	Mr. Atharva Upadhye	TE (57)
Hot line maintenance (EHV & HV Line)	Rometex Pvt. Ltd.	Mr. S. M. Karodi	20/03/14	Mr. Sudhir Kulkarni Tech Director	BE (41)
Career drivers		Mrs. K. S. Gadgil	29/03/14	Mrs. Ashwini Joshi Asst. manager, CTIL, CBS, Pune	SE (60)

33. Teaching methods adopted to improve student learning

- Ñ Apart from regular teaching through black board and presentations, seminars, workshops, technical contests are arranged.
- Ñ Tutorial classes are arranged for the students to improve their problem solving skills.
- Ñ Conduction of class tests after completion of prescribed syllabus.

- Ñ Counseling sessions are arranged for the students to understand their needs and to help them in their problems.
- Ñ Guest lectures, industrial visits, in house training programmes are arranged to create interest about specific topics among students and to enhance the knowledge.
- Ñ Organizing Add-on courses in the college campus to meet global challenges.
- Ñ Activities like role play, group studies (under senior students guidance) etc .are also being conducted to help out the students understand the concepts and improve their academic performance.
- Ñ 50:10 teaching module

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

1) Social Responsibilities-

Sr No	Academic Year	Activity Conducted	Participants
1.	15 / 03 / 2015	Students participated in this swatchyata abhiyan activity conducted in Dehugaon, Pune. They cleaned Prathamic Arogya Kendra and Mahadwar road in front of Tukaram Maharaj Temple, Dehugaon. They are accompanied with "Vrikshwali" group, Mr. Arjun Gurusudwar, Gramvikas Adhikari , Dehugaon, Shri. Shivaji More, Lion Club members of Dehugaon.	S S Landge & SE, TE, BE students.
2.	12/03/14 (2013-14)	Donation to Niwasi Matimand vidhyalaya	All staff members of department & SE TE, BE students.
3.	29/08/12 & 30/08/12 (2012-13)	Compassion Organization working for Orphan children. EESA had organized games, cultural activities for these children and donated educational material and toys for them.	All staff members of department & SE TE, BE students.
4.	25/01/2012	Social Activity Donation of Rs. 6500/- is given to Prism Foundation.	All staff members of department & SE, TE, BE students.

| 5. | 11/08/2010 | **Mamta Foundation** is a project for the welfare of HIV positive children and women. Activities, games are organized for Mamata foundation childrens. Gifts and donations are given to them. | Mrs. A. D. Shiralkar & SE, TE, BE students. |

2) Extension activities-

Sr. No.	Year	Event name	No. of Participants
1.	2014-15	Enthusia 2014-15	663
2.	2013-14	Enthusia 2013-14	876
3.	2012-13	Enthusia 2012-13	127

35. SWOC analysis of the department and Future plans.

- **Strengths**
  - Experienced, young, dynamic and well qualified staff members.
  - Mutual understanding and cooperation among all staff members.
  - High Retention of faculty.
  - Teaching and learning process very strongly and effectively implemented and executed.
  - Good academic results.
  - Promotion of innovative teaching methods.
- **Weakness**
  - No doctorate faculty in department.
  - Deficiencies in certain outcomes in graduating students
    - Communication skills
    - Design real world applications
  - Lacking in consultancy work.
- **Opportunities**
  - Collaboration with industries.
  - Encouragement for pursuing higher studies/research.
  - Establishment of research centre.
- **Challenges**
  - Increased competition due toemerging local and regional private colleges.
  - Lacking in value based education.
  - Lack of sufficient number of quality students with strong interest in Engineering.

> ➢ Continuous developments in electronic media are making system information based rather than knowledge based.

Future plans

- Planning to apply for major/minor research projects
- To offer consultancy services
- To establish a research centre
- To include value based activities for students
- To motivate existing faculty for pursuing PhD.

Evaluative Report of Department of Engineering Sciences

1. **Name of the department:** Department of Engineering Sciences

2. **Year of Establishment**: 1999

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**

Course Offered	Name Of The Course	Specialization
UG	F.E.	-

4. **Names of Interdisciplinary courses and the departments/units involved:**

Sr. No.	Name Of Interdisciplinary Course	Department Involved
1.	Engineering Mathematics I,II,III	Mathematics
2	Basic Civil Engg. and Engineering Mechanics	Civil
3	Engineering Graphics and Basic Mechanical Engg.	Mechanical
4	Basic Electronics Engineering	Electronics
5	Basic Electrical Engineering	Electrical
6	Fundamental of programming language(FPL-I&II)	Computer &IT
7	Engineering Physics	Physics
8	Engineering Chemistry	Chemistry

5. **Annual/ semester/choice based credit system (programme wise):**
   UG - Semester-Pattern.

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

Sr. No.	Name Of Department	Course
1	Dept. of Computer Engg.	Engineering Mathematics-III (Sem-ii)
2	Dept. of Electrical Engg.	Engineering Mathematics-III(Sem-i)
3	Dept. of Electronics Engg.	Engineering Mathematics-III (Sem-ii)
4	Dept. of Inatrumentation Engg.	Engineering Mathematics-III(Sem-i)
5	Dept. of E& Tc Engg.	Engineering Mathematics-III (Sem-ii)
6	Dept. of Information Technology Engg.	Engineering Mathematics-III (Sem-ii)

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Sr. No.	Name Of Industry	Course
1	SEED Infotech Pune	Soft skills, Psychometric test

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

9. **Number of Teaching posts**

Teaching posts	Sanctioned	Filled
Professors	00	00
Associate Professors	03	02
Asst. Professors	33	34

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

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr Y. P. Patil	Associate Professor (HOD)	M.Sc N.M.U 1996	Chemistry	18	NIL
2	S. V. Arlikar	Assistant Professor	M.Sc Shivaji University 1990	Physics	22	NIL
3	D.S. Mankar	Workshop Suprident (Associate Professor)	B.E.(1995) M.Tech.2007	Mechanical	17	NIL
4	A.J Jaybhaye	Assistant Professor	M.E.(App)	Mechanical	05	NIL
5	A. J. More	Assistant Professor	MTech COEP 2009	Mechanical	05	NIL
6	P.S. Rathod	Assistant Professor	B.E.(Mech) Amaravati	Mechanical	08	NIL

			University 1995			
7	Gadhade S. S	Assistant Professor	B.E.(Mech) Pune University,2007	Mechanical	05	NIL
8	V. S. Sutar	Assistant Professor	B.E (Mech) Pune University 2007	Mechanical	03	NIL
9	C.. K.Wagh	Assistant Professor	M.Sc Pune university 2004	Physics	06	NIL
10	Dr. P. G. Mushrif	Assistant Professor	Ph.D(Physics) (SRT, Nanded)	Physics	08	NIL
11	S. H. Pawar	Assistant Professor	M.Sc(UGC-NET) Pune university 2010	Chemistry	03	NIL
12	K. V. Darvekar	Assistant Professor	M.Sc (NET,SET), Nagpur University	Chemistry	04	NIL
13	Dr.K. G. Wadikar	Assistant Professor	M.Sc Pune University 2003	Mathematics	12	NIL
14	S. A. Patil	Assistant Professor	M.Sc.B.Ed Pune University 2003	Engineering Mathematics	08	NIL
15	A. A. Rane	Assistant Professor	B. E Shivaji University,1998	Electrical	06	NIL
16	Sheetal Kaw	Assistant Professor	BE(2010) ME(App)	Electrical	03	NIL
17	D. R. Saxenaa	Assistant Professor	BE(2010) M.Tech(2013)	Electrical	03	NIL
18	M. K. Das	Assistant Professor	ME, SRTHU, 2013	E&TC	04	NIL
19	Amit H Raheja	Assistant Professor	BE Civil Pune University	FE Civil	02	NIL
20	A. N. Khan	Assistant Professor	ME ,Pune University,2011	FE Civil	07	NIL
21	N. P. Bhone	Assistant Professor	M.E.	Mechanical	08	NIL
22	D. A. Bagade	Assistant Professor	BE(2008) M.Tech(App.)	Mechanical	04	NIL
23	P. B. Shinde	Assistant Professor	M.Tech.(Maths) Pune University, 2012	Engineering Mathematics	03	NIL
24	S. V. Parmar	Assistant Professor	M.Sc,(Maths), M.Phil Pune University	Engineering Mathematics	10	NIL
25	P.A.Patil	Assistant Professor	M.tech. PhD Pursuing	Electronics Dept.	20	Nil

26.	S.S.Thorat	Assistant Professor	M.E.. PhD Pursuing	Electronics Dept.	02	NIL
27	N.S.Warade	Assistant Professor	M.E. PhD Pursuing	Electronics Dept.	09	NIL
28	R.S.Pawar	Assistant Professor	M.E	Electronics Dept.	10	NIL
29	P.L.Thube	Assistant Professor	M.E	Electronics Dept.	05	NIL
30	D.A.Itole	Assistant Professor	M.E pursuing	Electronics Dept.	07	NIL
31	S.M.Karodi	Assistant Professor	M.E pursuing	Electrical	18	NIL
32	N.S.Kamble	Assistant Professor	M.E (Mechatronics)	Mechanical Engg.	03	Nil
33	A.V.Kore	Assistant Professor	M.E (Comp)	Information Technology	06	Nil
34	C.N.Aher	Assistant Professor	M.E (Comp)	Information Technology	03	Nil
35	S.P.Badhe	Assistant Professor	M.E (Comp)	Information Technology	03	Nil
36	C.N.Rao	Assistant Professor	M.E	Electrical	06	Nil

11. List of senior visiting faculty:-Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : 53.3%

13. Student -Teacher Ratio (programme wise)

Academic Year	Student teacher ratio
2010-2011	15:1
2011-2012	15:1
2012-2013	15:1
2013-2014	15:1
2014-2015	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Academic Supporting Staff	Sanctioned	Filled
Technical staff	07	07
Administrative staff	05	05

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ MPhil / PG.

Sr.No.	Qualification	No. of Faculty
1	Ph.D.	03
2	PG(M.E)+PG(Sci)	05+18

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received**
NIL

17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received**

Sr. No.	Branch	Name of the Investigator(s)	Title of the Research Project/Scheme	Name of the funding Agency	Duration of the project/scheme	Amount Sanctioned (Rs.)	Major/ Minor
01.	Engineering sciences	Dr.P.G.Mushrif principal investigator & Prof. S.V.Arlikar co-investigator	Anomalous absorption in cosmic molecules	BCUD SPPU PUNE	2013-2015	2.30 Lakhs	Minor
02.	Engineering sciences	Prof.D.S.Mankar	Ph.D work experimentation& Testing.	Under TQPII by Govt.College of Engg. Amravati	March 2015	55,000/-	Minor
03	Engineering sciences	Prof. k.G.Wadikar	Criteria for 3x3 matrices to be sums of cubes	BCUD SPPU PUNE	2011-2013	100000	Minor

18. **Research Centre /facility recognized by the University**-NA

19. **Publications:**
    a) **Publication per faculty**

Number of papers published in peer reviewed journals (national / international) by faculty and students
Please Refer Table 3.4.3

20. **Areas of consultancy and income generated:**
    NIL

21. **Faculty as members in**
    a) **National committees : ------------NIL**
    b) **International Committees: ------NIL**
    c) **Editorial Board: -----------------NIL**

22. **Student projects**
    a) **Percentage of students who have done in-house projects including inter departmental/program me:** NA
    b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** NA

23. **Awards / Recognitions received by faculty and students:**

Sr No.	Academic Year	Best GFM
1)	2010-2011	S.S.Gadadhe
2)	2011-2012	Prof.S.S.Gadadhe
3)	2012-2013	Prof.S.S.Gadadhe
4)	2013-2014	Prof.P.B.Shinde

24. **List of eminent academicians and scientists / visitors to the department:**

Sr.No.	Academic Year	Name of Faculty	Date	Name of Institute	Subject expert
1	2010-2011	Dr.P.D.Sable	27/09/2010	Reader ,Archeology Department ,Deccan College	Remote Sensing And GIS Software
		Prof.P.R.Dhamangaokar	15/11/2010	COEP PUNE	Advanced Teaching Methodologies

				for EG-I
		Dr.Shirish Son	09/03/2011	VIT(Chemical)	Chemistry(Corrosion)
		Dr.Thakre	13/03/2011	JSPM College of Engineering	Fuzzy Set &Probability
2	2011-2012	Prof.T.R.Mahale	08/11/2011	MIT College of Engineering	Application of Engineering Graphics in Industry
		Prof.Babdewar	11/11/2011	VIT College of Engineering	Application of Mathematics in field of Engineering
		Prof.R.A.Joshi	14/11/2011	VIIT College of Engineering.Kodhawa Pune	Conventional and Non conventional Energy Sources
3	2012-2013	Dr.Bhosikar	02/11/2012	IIIT, Hingewadi Pune	Guidelines for Preparation of Engineering Chemistry at University Level
		Prof.D.N.Paliwal	28/02/2013	Army Institute of Technology Pune	Design in Nature and Engineering
		Dr.Pimpalkar	21/03/2013	MIT,Pune	Principal Centred Leadership based on seven habitts
		Dr.N.S.Mujumdar	03/04/2013	RSCOE Tathawade	Application of Multipal Integral
	2013-2014	Prof. U.R. Awari	25 /02/2014	AISSMS-COE Pune-001	Expert Lecture on Engineering Mechanics
		Dr. S.N. Sapali,	26/02/2	COEP PUNE	Expert lecture

		COEP, Pune	014		on Advances in IC Engines
4		Dr. C.M. Mahajan	13/03/2014	VIT Pune	Expert lecture on wave mechanics
		Dr. S.B. Kulkarni	14/03/2014	Modern Engineering College pune-05	Expert Lecture on corrosion science
		Prof. S.T. Gavhale	26/03/2014	AISSMS-COE Pune-001	Expert Lecture on preparation for phase III Examination for Engineering Chemistry
		Dr. N. Kankane	26 /03/2014	MIT kothrud Pune	Expert Lecture on Engineering Mathematics.
5	2014-2015	Prof. Dr. Umesh Moharil	13/02/2015	Associate Professor MMIT Lohegaon Pune	Expert lecture on Engineering Physics on a topic 'physics of semiconductor'
		Prof. Dr.R.D.Bhelkar	26/02/2015	Professor Dhanwate National Collge Nagpur	Expert lecture on Engineering Physics on a topic 'Science Friction'
		Prof. Dr. Dilip Satpute	10/02/2015	Associate Professor Anasaheb Garware College Pune	Expert lecture on Engineering Chemistry on a topic 'Isotopes & Allotropes of Carbon'
		Prof. Prof.C.K.Lande	16/03/2015	Associate Professor RMD College Warje Pune	Expert lecture on engineering Mathematics on a topic 'Multiple Integral'

25. **Seminars/ Conferences/Workshops organized /attended by faculty & the source of funding a) National b) International**
    Refer Annexure-V

26. **Student profile programme/course wise: Details provided in point no. 26 of all departments.**

27. **Diversity of Students:** Details provided in point no. 27 of all departments.

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

29. **Student progression:**

YEAR:-2013-14

Sr. no.	Comp. Engg. (A)	Electronics (B)	Electrical(C)	Instru.(D)	E&TC(E)	E&TC-I (F)	IT (G)	Comp-II (H)	E&TC-II (I)
Total No. of Students admitted to F.E	49	48	50	44	50	48	52	52	34
No. of students promoted to S.E	39	32	38	35	41	40	40	40	29

YEAR:-2014-15

Sr. no.	Comp. Engg. (A)	Electronics (B)	Electrical(C)	Instru.(D)	E&TC(E)	E&TC-I (F)	IT (G)	Comp-II (H)	E&TC-II (I)
Total No. of Students admitted to F.E	60	39	54	47	58	50	46	59	36
No. of students promoted to S.E	53	23	41	32	47	34	34	46	30

30. **Details of Infrastructural facilities**
    a) **Library**: Total 864 books available in Departmental library

b) **Internet facilities for Staff & Students:** 12 Mbps Leased Line (Tata Telecommunication Limited)
Out of this 10 MBPS line is shared by staff and students.
Office: 2 MBPS

c) **Class rooms with ICTfacility**-02

Room description	Usage	Shared/ exclusive	Capacity	Rooms equipped with PC, internet, book rack, meeting space, etc.
Class Room No. 010 (A,B)	FE	shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Class Room No.016	FE	shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Class Room No.109	FE	Shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Class Room No.111	FE	Shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Class Room No.113	FE	Shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Class Room No.117	FE	Shared	60	Facility for PC with Projector, Black board, Fan, Benches, platform with podium
Chemistry Laboratory room no.011	FE	Exclusive	20	Facility for Black board, Fan, Benches.
Physics Laboratory room no.018	FE	Exclusive	20	Facility for Black board, Fan, Benches.
Basic Civil Laboratory room	FE	Exclusive	20	Facility for Black board, Fan, Benches.

no.010				
Mechanical Laboratory room no.109(B)	FE	Exclusive	20	Facility for Black board, Fan, Benches.
Faculty room no.109(A)	Sitting arrangement of faculty	Shared	03	Table ,Chair, Cub-board, Facility for PC, Fan, Printer
Faculty room no.108	Sitting arrangement of faculty	Shared	04	Table ,Chair, Cub-board, Facility for PC, Fan, Printer
Faculty room no.109(B)	Sitting arrangement of faculty	Shared	05	Table ,Chair, Cub-board, Facility for PC, Fan
Faculty room no.110	Sitting arrangement of faculty	Shared	06	Table ,Chair, Cub-board, Facility for PC, Fan
Faculty room no.019	Sitting arrangement of faculty	Shared	04	Table ,Chair, Cub-board, Facility for PC, Fan, Printer
Faculty room no.115	Sitting arrangement for HOD	Exclusive	01	Table ,Chair, Cub-board, Facility for PC, Fan, Printer
Departmental library room no.010	Sitting arrangement of incharge	Exclusive	01	Table ,Chair, Cub-board, Fan,

d) **Laboratories**: 04

31. **Number of students receiving financial assistance from college, university, government or other agencies.**-NIL

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

Sr. No	Date	Activity Details/Topic	Speaker/expert	Organizer/co-ordinator
01.	13/02/2015	Expert lecture on Engineering Physics on a topic 'physics of semiconductor'	Dr. Umesh Moharil Associate Professor MMIT Lohegaon Pune	Dr.P.G.Mushrif Prof.S.V.Arlikar
02.	26/02/2015	Expert lecture on Engineering Physics on a topic 'Science Friction'	Dr.R.D.Bhelkar Professor Dhanwate National Collge Nagpur	Dr.P.G.Mushrif Prof.S.V.Arlikar
03.	10/03/2015	Expert lecture on Engineering Chemistry on a topic 'Isotopes & Allotropes of Carbon'	Dr. Dilip Satpute Associate Professor Anasaheb Garware College Pune	Dr.Y.P.Patil Prof. S.H.Pawar
04.	16/03/ 2015	Expert lecture on engineering Mathematics on a topic 'Multiple Integral'	Prof.C.K.Lande Associate Professor RMD College Warje Pune	Prof.S.V.Parmar Prof.S.A.Patil
05.	18/03/2015	Expert lecture on BME on a topic 'Advanced Machine Tools'	Prof. S.kalmik Associate Professor SAE College Kondwa Pune	Prof.D.S.Mankar Prof.A.J.More Prof.P.S.Rathod Prof.S.S.Gadadhe Prof.N.P.Bhone
06.	18 /03/2015	Expert lecture on Engg.Mechanics on a topic 'Analysis of Trusses'	Prof. Manisha Bhise Asst.Professor MMIT Lohegaon pune	Prof.G.N.Mawale Prof.A.N.Khan

33. Teaching methods adopted to improve student learning
1) Guest Lecture
2) Workshops
3) Industrial visits
4) Quiz

5) Value added course
6) Assignments/seminars
7) Class Test
8) Tutorial
9) Seminars
10) Educational tour
11) To motivate self learning amongst the student
12) 50:10 teaching module

34. Participation in Institutional Social Responsibility (ISR) and Extension activities-NIL

35. SWOC analysis of the department and Future plans:

Strengths:
- Well qualified, experienced & motivated faculty.
- Appropriate soft skill & personality growing activities for students.
- Well established laboratories.
- Good accounting of student's database.

Weaknesses:
- Lack of industrial / practical exposure
- Inadequate number of supporting staff and lack of training for existing supporting staff.

Opportunity:
- Development of consultancy & analysis services.

Challenges:
- To train the weak students ready to compete in the professional world.
- To attract cream layer from XII pass students.

Future Plan:
- To include value based activities for students
- To motivate existing faculty for pursuing PhD.

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S
INSTITUTE OF INFORMATION TECHNOLOGY
Affiliated to University of Pune (Id No PU/PN/Engg/124/1998)
Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Dr. P. B. Mane Principal	Shri Malojiraje Chhatrapati Honorary Secretary

Ref. No.: AISSMS/IOIT/15-16/1961   Date: 31/8/2015.

DECLARATION BY THE HEAD OF THE INSTITUTE

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: 31 AUG 2015

Dr.P.B.Mane
Principal/Head of the Institution
(Name and Signature with Office seal)

Kennedy Road, Near R.T.O., Pune - 411 001, Maharashtra, India, E-mail : aissmsioit@hotmail.com
Tel.: 91-20-26057636, 26057983 Fax : 020-26058877
Visit us at **www.aissmsioit.org**

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S
INSTITUTE OF INFORMATION TECHNOLOGY
Affiliated to University of Pune (Id No PU/PN/Engg/124/1998)
Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Dr. P. B. Mane Principal	Shri Malojiraje Chhatrapati Honorary Secretary

Ref. No.: AISSMS/IOIT/15-16/16   Date : 2/6/2015

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT) fulfils all norms

1 .Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.
In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

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.

Date: 02 June 2015

Place: Pune

Dr.P.B.Mane
Principal/Head of the Institution.
(Name and Signature with Office seal)

Annexure

I.   **Approval of Courses of Affiliating University**
II.   **Approval from AICT**
III.   **NBA Accreditation Status**
IV.   **Staff Participating in Workshops/ Seminars**
V.   **Master Plan of the Institute**

I.   Approval of Courses of Affiliating University

University of Pune

Telephone Nos. :
020- 25691233
     25601258
     25601259
     25601257

ACADEMIC SECTION
Ganeshkhind, PUNE-411007, INDIA
Telegraph : **'UNIPUNE'**
Fax : **020-25691233**
Webside : www.unipune.ac.in
e-mail : dyracademic@unipune.ac.in

Ref. No. :   CA|1486

Date : 24|6|2013

To
The Principal,
All India Shri Shivaji Memorial Society's,
Institute Of Information Technology,
Kennedy Road, Near R. T. O.
Pune-411 001

      Sub : Permanent Affiliation to the courses under Engineering Faculty from the Academic year 2012-13.
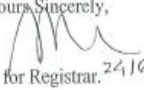
Sir,

      I am directed to inform you that the University Authorities have been pleased to grant **Permanent Affiliation** to the following courses as per Section 88 of the Maharashtra Universities Act 1994, from the Academic year 2012-13, subject to the terms & conditions laid down by the University of Pune, Government of Maharashtra, University Grants Commission, New Delhi or any other regulatory authority's, decision enforced from time to time.

ENGINEERING FACULTY: B.E. First to Fourth Year

Course	Intake
Computer Engg	60
Electrical	60
Electronics	60
Instrumentation Engg.	60

Encl : photocopy of the report

Yours Sincerely,

for Registrar. 24|6|2013

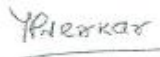Copy forwarded with compliments for information & necessary action to:
1 The Secretary, Higher & Technical Education, Mantralaya, Mumbai-400 032.
2 The Administrative Officer, Higher Education Grant, Pune Division Office, Maharashtra State, 17, Dr. Ambedkar Road, Near Saint Mathew Marathi Church, Opp. Lal Mandir, First Floor, Pune- 411 001.
3 The Controller of Examination, University of Pune, Pune - 411 007
4 The Dy. Registrar, Development Section, University of Pune, Pune- 411 007.
5 The Dy. Registrar, Engineering, Exam. Section, University of Pune, Pune- 7
6 The System analyst, Management Information Cell (M.I.C.), University of Pune, Pune-411 007.
A 13PA/ 111/2013 dated 15th May-, 2013

C:\Documents and Settings\Administrator\My Documents\Sakhalkar\Permanant lett.docA
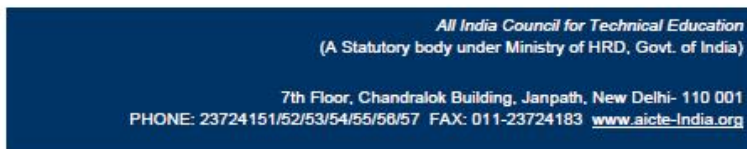
Recommendations :

The undersigned committee unanimously recommends that :
All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune.
University ID No. (PU/PN/ENGG/124/1998) be granted Permanent Affiliation for following courses
1) Computer Engineering (60 Intake)   2) Electrical Engineering (60 Intake)
2) Electronics Engineering (60 Intake) 4) Instrumentation Engineering (60 Intake)
 from the Academic Year 2012-2013

	(Dr. V. B. Gaikwad) Chairman (BCUD, University of Pune)	
(Dr. N. S. Nehe) Member (Rajshree Shahu College of Engineering)	(Dr. A. M. Sapkal) Member (Government College of Engineering)	(Dr. Y. P. Nerkar) Member (PVG's College of Engineering)

II.   Approval from AICTE

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/1-2013664701/2014/EOA   Date: 04-Jun-2014

To,
The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashta, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2014-15

Ref: Application of the Institution for Extension of approval for the academic year 2014-15

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	1-2013664701
		Permanent Id	1-5165001
Name of the Institute	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S INSTITUTE OF INFORMATION TECHNOLOGY	Institute Address	KENNEDY ROAD, NEAR R.T.O, PUNE- 411 001, PUNE, PUNE, Maharashtra, 411001
Name of the Society/Trust	ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY	Society/Trust Address	55-56, 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 2014-15

Application Number: 1-2013664701"   Page 1 of 4

Note: This is a Computer generated Letter of Approval.No signature is required.   Letter Printed On:10 June 2014

Printed By : AE3615475

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: 1-2013664701			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FULL TIME	University of Pune, Pune	120	120	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	University of Pune, Pune	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INSTRUMENTATION ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	POWER ELECTRONICS AND DRIVES	FULL TIME	University of Pune, Pune	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd Shift	POST GRADUATE	VLSI AND EMBEDDED SYSTEMS	FULL TIME	University of Pune, Pune	18	18	NA	NA	N
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUATE	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N

Application Number: 1-2013664701*

Page 2 of 4

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Letter Printed On:10 June 2014

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All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-2013664701			Course	Full/Part Time	Affiliating Body	Intake 2013-14	Intake Approved for 14-15	NRI Approval status	PIO Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	2nd Shift	UNDER GRADUA TE	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	N

- 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 ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S INSTITUTE OF INFORMATION TECHNOLOGY 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 and subsequently upload and update the student/ faculty/ other data on portal as per the time schedule which will be intimated by AICTE.

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. Kuncheria P. Isaac)
Member Secretary, 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,**

Application Number: 1-2013664701*   Page 3 of 4

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All India Council for Technical Education
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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

Maharashtra

3. **The Registrar,**
    University of Pune, Pune

4. **The Principal / Director,**
    ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S INSTITUTE OF INFORMATION TECHNOLOGY
    KENNEDY ROAD, NEAR R.T.O, PUNE- 411 001,
    PUNE,PUNE,
    Maharashtra,411001

5. **The Secretary / Chairman,**
    ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY
    55-56, SHIVAJINAGAR, PUNE.,
    PUNE,PUNE,
    Maharashtra,411005

6. **Guard File(AICTE)**

Application Number: 1-2013664701*   Page 4 of 4

Note: This is a Computer generated Letter of Approval.No signature is required.   Letter Printed On:10 June 2014

Printed By : AE3615475

III.   A. PG Approval

दूरध्वनी क्रमांक :
०२०—२५६९१२३३
२५६०१२५८
२५६०१२५९

पुणे विद्यापीठ

शैक्षणिक विभाग
गणेशखिंड, पुणे—४११ ००७

टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०—२५६९८००७
वेबसाइट : www.unipune.ac.in
इ—मेल : dyracademic@unipune.ac.in

संदर्भ क्र. : सीए/ ४२५४

दिनांक :१०/५/२०१४

प्रति,

मा. प्राचार्य,
एआयएसएसएमएस चे
इन्स्टिटयूट ऑफ इन्फॉरमेशन टेक्नॉलॉजी,
केनेडी रोड, आरटीओ जवळ,
पुणे ४११ ००१

विषय : — अटींच्या पूर्ततेच्या पडताळणी अहवालाबाबत...

महोदय,

वरील विषयासंदर्भात विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयाचा शैक्षणिक वर्ष २०१३—१४ या एका वर्षाकरिता खालील रकान्यात नमूद केलेल्या अभ्यासक्रमास नव्याने कायम विनाअनुदानित तत्त्वावर सुरू करण्याच्या अहवालातील अटींच्या पूर्ततेचा पडताळणी अहवाल मान्य करण्यात येत आहे.

अनु. क्र.	अभ्यासक्रमाचा तपशील	विद्यार्थी संख्या	प्रथमपाळी / द्वितीय पाळी	संलग्नीकरणाचा प्रकार
१	ई.अँण्ड टी. सी.	६०	प्रथम वर्ष बी.ई. (दुसरी पाळी)	नवीन
२	पॉवर इलेक्ट्रॉनिक्स अँण्ड ड्राइव्हज	१८	प्रथम वर्ष एम.ई. (दुसरी पाळी)	नवीन
३	इलेक्ट्रानिक्स (एम्बेडेड सिस्टिम्स अँण्ड व्हीएलएसआय डिझाईन)	१८	प्रथम वर्ष एम.ई. (दुसरी पाळी)	नवीन

कळावे,

आपला,

३०/०४/१४
उपकुलसचिव
for (शैक्षणिक विभाग)

E:\Vaishnavi\2013-14\Ahwal Letter_2013-14\ENGG\04.04.2014_Compliance Letter.docx

B. Research Center Approval

सावित्रीबाई फुले पुणे विद्यापीठ

दूरध्वनी क्रमांक :
०२०—२५६९१२३३
२५६०१२५८
२५६०१२५९

शैक्षणिक विभाग
गणेशखिंड, पुणे—४११ ००७
टेलिग्राफ : 'युनिपुणे'
फॅक्स : ०२०—२५६९१२३३
वेबसाइट : www.unipune.ac.in
ई—मेल : dyracademic@unipune.ac.in
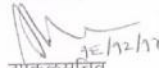दिनांक : २६/१२/२०१४

संदर्भ क्र. : शैवि/८६०३

प्रति,
मा. प्राचार्य,
ऑल इंडिया श्री शिवाजी मेमोरीअल सोसायटीचे,
इन्स्टिट्युट ऑफ इन्फॉरमेशन टेक्नॉलॉजी, केनेडी रोड,
आरटीओ जवळ, पुणे—४११००१

विषय :— संशोधन केंद्राच्या नव्याने मान्यतेबाबत.

महोदय,

उपरोक्त विषयासंदर्भात विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयात खालील रकान्यात नमूद केलेल्या विषयांच्या पीएच.डी. संशोधन केंद्राच्या नव्याने मान्यतेचा अहवाल दर सहा महिन्याने प्रगती अहवाल (Progress Report) शैक्षणिक विभागात सादर करण्याच्या अटीवर परवानगी देण्यात येत आहे.

अनु. क्र	विषय	विद्याशाखा	शैक्षणिक वर्ष	कालावधी	नव्याने / नूतनीकरण
१.	पीएच.डी. इलेक्ट्रॉनिक्स	अभियांत्रिकी	२०१४—१५ ते २०१६—१७	३ वर्षे	नव्याने

कळावे,

आपला,

४६/१२/१४
उपकुलसचिव
(शैक्षणिक विभाग)

D/Nevase/mandlik/Research All File/Letter 10-12-2014 :03-12-2014

IV.   NBA Accreditation Status

NATIONAL BOARD OF ACCREDITATION
NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620, 2436 0654 Telefax: +91 11 2436 0682

File No.28-372/2010-NBA   **Date: 05.12.2013**

To

The Principal/Director
All India Shri Shivaji Memorial Society's
Institute of Information Technology,
Kennedy Road, Pune - 411 001, MS

Sub: Accreditation status of programmes applied by All India Shri Shivaji Memorial Society's Institute of Information Technology, Kennedy Road, Pune - 411 001, MS

Dear Sir/ Madam

　　This has reference to your application dated 29.11.2010 seeking accreditation of National Board of Accreditation to UG Programmes offered by your institution.

2.　　An Expert Committee conducted an on-site evaluation of the programmes during 05-10-2012 to 07-10-2012. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meeting held on 27.09.2013. The Sub-Committee of Academic Advisory Committee on Engineering considered the recommendations of EAEC at its meeting held on 06.11.2013. The Executive Committee of the National Board of Accreditation considered the recommendations of the Sub-Committee of Academic Advisory Committee on Engineering at its meeting held on 08.11.2013. The Executive Committee approved the accreditation status of the programmes as given in the table below:

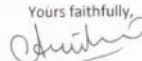| Sl. No	Name of the Programmes (UG)	Accreditation Status	Period of validity w.e.f. 08.11.2013	Remarks
(1)	(2)	(3)	(4)	(5)
1	B.E. Electronics Engineering	Provisionally Accredited	2 Years	Accreditation Status granted is valid till the programme has the approval of the Competent Authority or the period given in Col. '4', whichever is earlier.
2	B.E. Electrical Engineering	Provisionally Accredited	2 Years	
3	B.E. Instrumentation Engineering	Provisionally Accredited	2 Years	

3.　　The accreditation status awarded to the programmes as indicated in the above table does not imply that the accreditation has been granted to All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune, MS as a whole. As such the institution should nowhere alongwith its name including on its letter head etc., write that it is accredited by NBA because it is programme accreditation and not institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

4.　　The accreditation status of the above programmes is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programmes as indicated in the table in paragraph 2, appears on the website and information bulletin of your institution.

Contd/2-

-2-

5.   The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

6.   Copies of the Comprehensive Report submitted by the Chairman of the Expert Committee along with the detailed reports submitted by the Expert Team which visited your institution for the programmes evaluated are enclosed for reference and to take necessary action to overcome the shortcomings, if any, pointed out by the Expert Team.

7.   If the institution is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Note: Under Para 3.4.4 of Chapter 3 of the Manual of Accreditation, 2013, it is provided that the application for accreditation received in an academic year will be considered in next academic year. Therefore, the Institute may apply if it so desires, in the academic year 2014-15 for full accreditation of the provisionally accredited programme(s) in order to have continuation of accreditation.

Encls: 1. Copy of Report of Chairman of the Visiting Team
         2. Copies of Expert Reports of the Visiting Team.

Copy to:

1. The Secretary,
Higher & Technical Education & Employment Department
Govt. of Maharashtra, Mantralaya,
Mumbai-400 032

2. The Director
Directorate of Technical Education
Govt. of Maharashtra
3, Mahapalika Marg
Mumbai-400 001 (MS)

3. The Registrar
University of Pune,
Ganeshkhind
Pune-411007

4. Member Secretary, AICTE
All India Council for Technical Education
7th Floor, Chanderlok Building
Janpath, New Delhi-110 001

5. Accreditation File

6. Master accreditation file of the State.

V.   Staff Participating in Workshops/ Seminars

Sr. No.	Branch	Name of Staff	Event	Organized by	Date and Event
1.	Electronics Engg	G. H. Wani	Faculty Orientation Workshop on Power Electronics	MITAOE,Alandi & Pune University	12 to 14/06/2014
2.	Electronics Engg	M. J. Sagade	NI Technical Symposium 2014	National Instuments	23/09/2014
3.	Electronics Engg	M. J. Sagade	STTP ON Signal processing	E & TC Dept of AISSMS's IOIT	02 to 07/06/2014
4.	Electronics Engg	D. A. Itole	Workshop on Embedded Generations Interface with real world	Trinity College of Engineering and Research, Pune	16 to 20/09/2014
5.	Electronics Engg	Saylee S. Thorat	FTP for Industrial Management	University of Pune.	11 to 13/12/2014
6.	Electronics Engg	P. L. Thube	Faculty Orientation Workshop on 'Discrete Time Signal Processing'	MAE,Alandi,pune	11 to 13/12/2014
7.	Electronics Engg	Ganesh H. Wani	Faculty Orientation Workshop on " Instrumentation systems"	E&TC Dept. R.S.COE Thathawade	11 to 13/12/2014
8.	Information Technology	R Y. Totare	FDP on Innovation Management"	PCCOE, Pune	05/07/2014
9.	Information Technology	P. P. Mahale	FDP on Innovation Management"	PCCOE, Pune	05/07/2014

10.	Information Technology	P. P. Mahale	FDP on Software Laboratory-1 for TE_IT 2012 course	MIT,Alandi, Pune	27 & 28/06/ 2014
11.	Information Technology	P.P. Mahale	One days workshop of SWO	SWO, UOP, Pune.	12/07/ 2014
12.	Information Technology	V. S. More	FDP DBMS	RSCOE, Pune	07/07/ 2014
13.	Information Technology	J. C. Pasalkar	FDP on Innovation Management"	PCCOE, Pune	05/07/ 2014
14.	Information Technology	J. C. Pasalkar	FDP on Software Engineering	VIIT, Kondhaw, Pune	22 & 23/08/ 2014
15.	Information Technology	P.A.Patil	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
16.	Information Technology	R.A. Jamadar			
17.	Information Technology	A.S.Phapale			
18.	Information Technology	A.S.Phapale	FDP on Software Lab-II & project based seminar	MMCOE,Pune	16/01/ 2015
19.	Information Technology	A.S.Phapale	FDP on Operating system Lab	PVG COE,Pune	12/01/ 2015
20.	Information Technology	A.S.Phapale	Embedded Operating System	AISSMS IOIT	20 & 21/01/ 2015
21.	Information Technology	R.Y.Totare	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
22.	Information Technology	P.P.Mahale	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
23.	Information Technology	P.P.Mahale	FDP on Basic of Linux Kernal Programming	AIT,Pune	28/02/ 2015
24.	Information Technology	P.P.Mahale	FDP on Operating System Lab.	PVGCOE& T,Pune	12/01/ 2015

25.	Information Technology	P.P.Mahale	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
26.	Information Technology	M.K.Pathak	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
27.	Information Technology	R.L.Bhosale	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
28.	Information Technology	C. N. Aher	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
29.	Information Technology	S.P.Badhe	Data Mining	AISSMS COE,Pune	11 & 12/12/ 2015
30.	Computer	S.N.Zaware	Research methodologies in Engineering and Science	VIIT Kondwa Pune	13 to 17/09/ 2014
31.	Computer	S.N.Zaware	CII seminar on Empowering SME's through ICT intervention	CII Pune	28/08/ 2014
32.	Computer	Minal Zope	FDP on innovation Management	CII and PCCOE , Pune	05/07/ 2014
33.	Computer	D.S. Zingade	Wireless Sensor Network: Modeling and Simulation	PCCOE, Pune	07 to 09/08/ 2014
34.	Computer	D.S. Zingade	FDP on Data Communication & Wireless sensor Network	PCCOE, Pune	04 to 05/07/ 2014
35.	Computer	P.S. Gaikwad	2 weeks ISTE workshop on Computer network by IIT Bombay	Symbiosis institute of computer studies and research	30/06/ 2014 to 05/07/ 2014
36.	Computer	G. J .Navale	1 week training program in	MIT COE	03 to 07/06/

			Database management for big data application.		2014
37.	Computer	S.N.Zaware	Big Data Analytics and Cloud Computing	MAE Aladi	01 to 05/12/ 2014
38.	Computer	Minal Zope P. S. Sadaphule	Two days national level workshop on Research Areas in Computer Vision and Meachine Learning	JSPM Narhe	16 & 17/01/ 2015
39.	Computer	Sunanda Kadam Shikha Agrawal Archana Said Deepali jawale Savita Borole Swati nawale Neha Patil Pooja Bidwai	Two days state level seminar on Data Mining and optimization techniques in Computer Engineering	AISSMS'S COE	11 & 12/12/ 2014
40.	Computer	M.P.Nerkar	FDP on PCDP	RSCOE Pune	16 & 17/12/ 2014
41.	Coputer	M.P.Nerkar	FDP on PL III	GH Raisoni, Pune	26 & 27/12/ 2014
42.	Computer	Pooja Bidwai	FDP on Software Engineering	VIIT Kondhwa Pune	30 & 31/12/ 2014
43.	Computer	Pooja Bidwai	FDP On Software Testing	Seed Infotech Pune	08/12/ 2014

44.	Computer	S.P. Pimpalkar	"Advanced Java:An Industrial Approach"	PES, Modern COE,Pune	16 & 17/01/ 2015
45.	Computer	S.P. Pimpalkar	"Big Data and Hadoop"	PES Modern COE,Pune	21 & 22/01/ 2015
46.	Computer	S.D.Shinde	"FDP on CUDA and OPenMP"	SIT Narhe	19 to 21/12/ 2014
47.	Computer	D.S. Zingade	"STTP on Wireless Sensor Netwok"	MIT COE	15 to 19/12/ 2014
48.	Computer	P.S. Gaikwad	FDP on Computer networks	PCCOE Pune	02 to 04/01/ 2015
49.	Computer	Shikha Agrawal, P.S. Gaikwad, Swati Navale	FDP on Network programming and protocol analysis in Linux	MAE Alandi Pune	02 to 04/12/ 2014
50.	Computer	Girish Navale	Emerging Trends in Speech Signal Processing	AISSMS IOIT	15 to 19/01/ 2015
51.	Instrumenta tion	N.B. Mane	Innovative concepts in Process Automation	DYPIET, Pimpri Pune	05 to 07/08/ 2014
52.	Instrumenta tion	N.S. Nagdeo	Innovative concepts in Process Automation	DYPIET, Pimpri Pune	05 to 07/08/ 2014
53.	Instrumenta tion	A.D. Rahulkar	FDP at Vishay Components	Vishay & CII	17 to 19/07/ 2014
54.	Instrumenta tion	H.P. Chaudhari	FDP at Vishay Components	Vishay & CII	17 to 19/07/ 2014
55.	Instrumenta tion	S.V. Kulkarni	FDP at Vishay Components	Vishay & CII	17 to 19/07/

					2014
56.	Instrumenta tion	A.D. Rahulkar	Best practices in Curriculum Development for Instrumentation Engineering	COEP, Pune	08/08/ 2014
57.	Instrumenta tion	H.P. Chaudhari	Best practices in Curriculum Development for Instrumentation Engineering	COEP, Pune	08/08/ 2014
58.	Instrumentati on	Mrs.S.V. Kulkarni	Innovative Management	PCCOE, Pune	05/07/ 2014
59.	Instrumenta tion	A.D. Rahulkar	An Embedded Generations Interface with Real World: A Practical Approach	Trinity College of Engg & Research, Pune, & CII	16 to 20/09/ 2014
60.	Instrumenta tion	R.D. Valsangkar	Keysight Education Symposium	Keysight Technologie s & Synergy Measureme nt Technologie s Pvt.Ltd	27/08/ 2014
61.	Instrumenta tion	G.S. Ingle	Employability Enhancement for Engineering students through Automation training	Analogic Automation Pvt. Ltd & ISA,Pune chapter	21/08/ 2014
62.	Instrumenta tion	R.D. Valsangkar	NI Technical Symposium	National Instruments India.	23/09/ 14

63.	Instrumentation	D.P. Inamdar	NI Technical Symposium	National Instruments India.	23/09/ 2014
64.	Instrumentation	S.C. Rajgade	1weeks FDP on Optimal Control system	COEP	05 to 09/01/ 2015
65.	Instrumentation	S.C. Rajgade	2 weeks workshop on Control System	MHRD,IIT –Kharagpur, COEP	02 to 12/12/ 2014
66.	Instrumentation	H.P. Chaudhari	2 weeks workshop on Control System	MHRD,IIT –Kharagpur, COEP	02 to 12/12/ 2014
67.	Instrumentation	V.V. Kale	STTP on 'Wavelets and its applications'	SGGS Institute of Engg. And Technology, Nanded	08 to 12/12/ 2014
68.	Electrical	S. V. Shelar	Czech Republic University seminar at Mumbai	CII western region	04/11/ 2014
69.	Electrical		One week workshop on PLC & SCADA in association with EDG	Analogic Automation Pvt. Ltd. Pune	01 to 05/09/ 2014
70.	Electrical	A.D. Shiralkar	One day seminar on Employability enhancement for engineering through automation training	ISA Pune section	21/08/ 2014
71.	Electrical	K. S. Gadgil	2 Weeks ISTE Workshop on	IIT , Bombay	16 to 21/06/

			Computer Programming	MKSSS's Cummins COE	2014
72.	Electrical	S.S. Shingare	One day seminar on Employability enhancement for engineering through automation training	ISA Pune section	21/08/ 2014
73.	Electrical	S.S. Shingare	One week workshop on PLC & SCADA in association with EDG	Analogic Automation Pvt. Ltd. Pune	01 to 05/09/ 2014
74.	Electrical	S.K. Mahindrakar	MATLAB EXPO 2014	Mathworks	15/07/ 2014
75.	Electrical	S.K. Mahindrakar	NI Symposium 2014	Mathworks	23/09/ 2014
76.	Electrical	S. M. Karodi	One day seminar on Employability enhancement for engineering through automation training	ISA Pune section	21/08/ 2014
77.	Electrical	S. A. Asarkar	One week workshop on PLC & SCADA in association with EDG	Analogic Automation Pvt. Ltd. Pune	01 to 05/09/ 2014
78.	Electrical	S. A. Asarkar	One day seminar on Employability enhancement for engineering through automation training	ISA Pune section	21/08/ 2014

79.	Electrical	S. V. Shelar	BE Electrical Syllabus Revision Workshop	PVG'COET, Pune	07/01/2015
80.	Electrical	A.D. Shiralkar	Indian Control Conference	Indian Institute of Technology, Madras	05 to 07/01/2015
81.	Electrical	A.D. Shiralkar	Matlab and Simulink for Engineering Education	MathWorks India	12/03/2015
82.	Electrical	S.S. Landge	National level Workshop on Emerging Technologies in Power Electronics.	AISSMS COE	27 & 28/02/2015
83.	Electrical	S. M. Shaikh	BE Electrical Syllabus Revision Workshop	PVG'COET, Pune	07/01/2015
84.	Electrical	S.K. Mahindrakar	Workshop on Control Systems	IIT Kharagpur	02 to 12/12/2014
85.	Electrical	S.K. Mahindrakar	Matlab and Simulink for Engineering Education	----	12/03/2015
86.	Electrical	S. M. Karodi	One day T& P Officers meet organized by Siemens.	Siemens Industry Software (I) Pvt. Ltd.	17/12/2014
87.	Electrical	S. M. Karodi	2 days Workshop on Experimentation for Research and Effective Technical Writing	SPPU, Pune & Dept. of Electrical Engg.,AISSMS IOIT, Pune	15 & 16/01/2015
88.	Electrical	A. A. Rane	BE Electrical Syllabus Revision Workshop	PVG'COET, Pune	07/01/2015

89.	Electrical	A. A. Rane	Workshop on Faculty Development Program	PVG'COET , Pune	12 & 13/06/ 2015
90.	Electrical	A. A. Rane	Workshop on Control Systems	IIT Kharagpur	02 to 12/12/ 2014
91.	Electrical	N. M. Rao	Workshop on Control Systems	IIT Kharagpur	02 to 12/12/ 2014
92.	E & TC	Deepali Yewale	Workshop on Control Systems	IIT Kharagpur	02 to 12/12/ 2014
93.	E & TC	Deepali Yewale	Faculty development Programme	CII at Vishay Electronics	17 to 19/07/ 2014
94.	E & TC	Deepali Yewale	Conference on RF Technology	Ansys Convergenc e	06/05/ 2014
95.	E & TC	Varsha K Patil , Deepali Yewale	Seminar on Lab view	National Instruments	23/09/ 2014
96.	E & TC	All Staff	Faculty development Programme	AISSMSIOI T	12 & 13/06/ 2014
97.	E & TC	Rahul Jadhav	STTP on Embedded System	TCOER, Pune	16 to 20/09/ 2014
98.	E & TC	Varsha K. Patil, Supriya Lohar	Emerging challenges for technocrats in Digital Signal processing	AISSMS IOIT	02 to 07/06/ 2014
99.	E & TC	Rashmi Thakare	Faculty orientation workshop	Wadia college of Engg	12 to 14/06/ 2014
100.	E&TC	Prajakta Belsare Trupti Bodhe	MATLAB Expo	Westin Hotel	15/07/ 2014

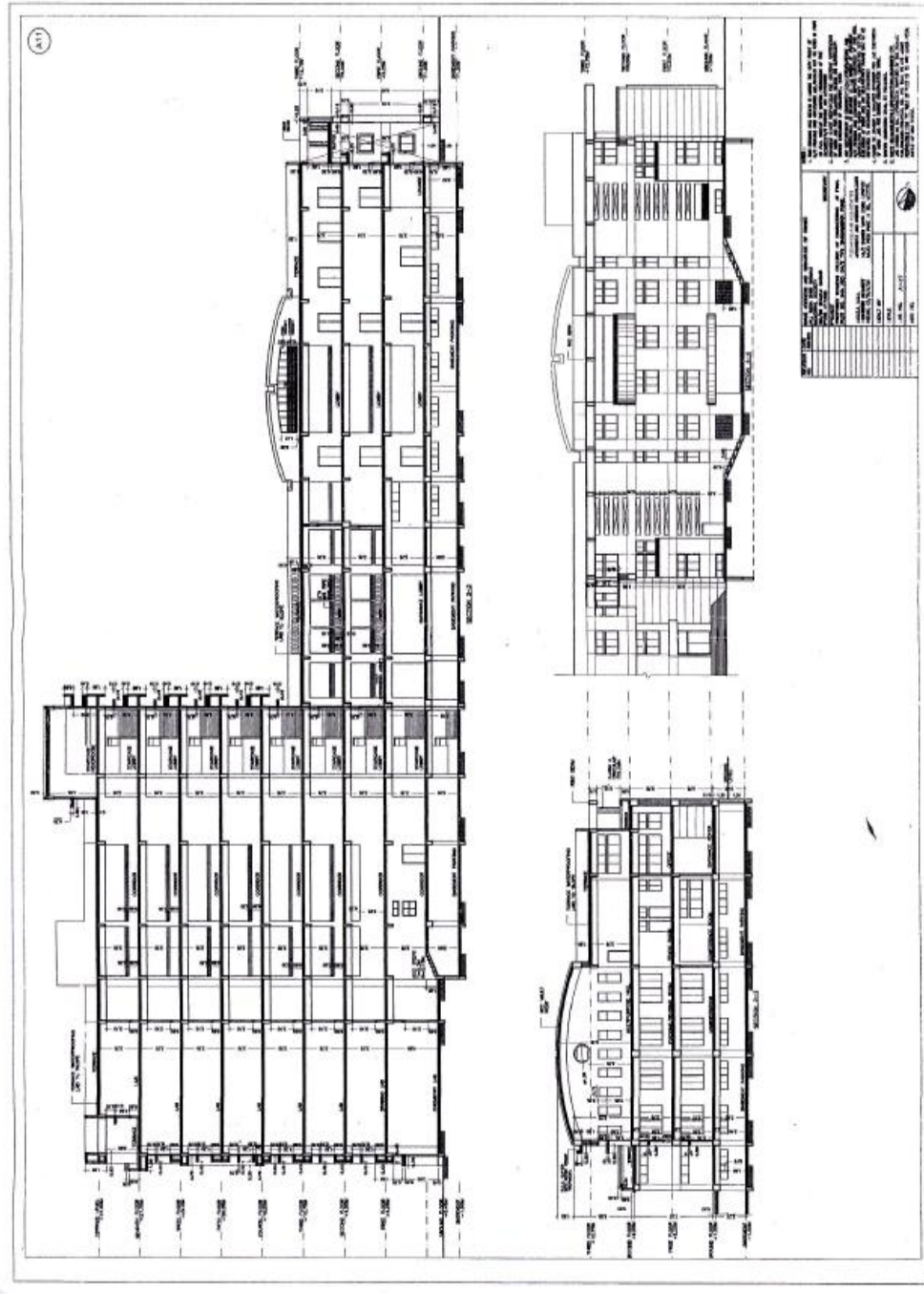| 101.	E&TC	Apeksha Prabhu	Syllabus Discussion Workshop on MCA	MIT College of Engineering	13 to 15/07/2014
102.	E & TC	Mamta Wanjre	Fac ulty orientation workshop (ESED)	VIIT, Kondwa, Pune	12 to 14/06/2014
103.	E & TC	Mamta Wanjre	Faculty development Programme	CII at Vishay Electronics Pvt. Ltd.	17 to 19/07/2014
104.	E & TC	Geeta Salunke	FDP on SPOS	MMCOE, Pune	12 to 14/06/2014
105.	E & TC	Geeta Salunke	Emerging challenges for technocrats in Digital Signal processing	AISSMS IOIT	2/06/2014 to 7/06/2014
106.	E & TC	V.N. Ghodke	Emerging challenges for technocrats in Digital Signal processing	AISSMS IOIT	2/06/2014 to 7/06/2014
107.	E & TC	V.N. Ghodke	Faculty development Programme	CII at Vishay Electronics Pvt. Ltd.	17 to 19/07/2014
108.	E&TC	Varsha Patil	Faculty Orientation Workshop for Subject Embeded Procesors	NBN COLLEGE	11 to 13/12/2014
109.	E & TC	N.A. Deshmukh	STTP on WSN	MIT COE, Pune	15 to 19/12/2014
110.	E&TC	Supriya Lohar	Faculty Orientation Workshop for Subject ITCT	Cummins COEW	11 to 13/12/2014

111.	E& TC	A J Maidamwar	STTP on WSN	MIT COE, Pune	15 to 19/12/ 2014
112.	E&TC	P V Jannu	Faculty Orientation Workshop for Subject ITCT	BV COEW	11 to 13/12/ 2014
113.	E&TC	H.D. Shinde	Workshop on Teaching Signal Processing & Control System using MATLAB & Simulink	Mathworks	12/03/ 2015
114.	E&TC	G. D. Salunke	Faculty Orientation Workshop for Subject ITCT	RSCOE, Pune	11 to 13/12/ 2014
115.	E&TC	G. D. Salunke	Workshop on 'Introduction to Embedded System'	AISSMS IOIT	12 & 13/02/ 2015
116.	E&TC	Sugat R. Pawar	Faculty Orientation Workshop for Subject MPS	VIIT, Pune	17/01/ 2015
117.	E & TC	V K Bairagi	Industry institute Partnership- Changing Gears for Make in India	COEP, Pune	13/04/ 2015
118.	E & TC	S.R. Kokane	Introduction to Embedded Programming	AISSMS IOIT	12 & 13/02/ 2015
119.	E & TC	C.K. Bhange	Introduction to Embedded Programming	AISSMS IOIT	12 & 13/02/ 2015
120.	E & TC	V.J. Desai	Introduction to Embedded Programming	AISSMS IOIT	12 & 13/02/ 2015

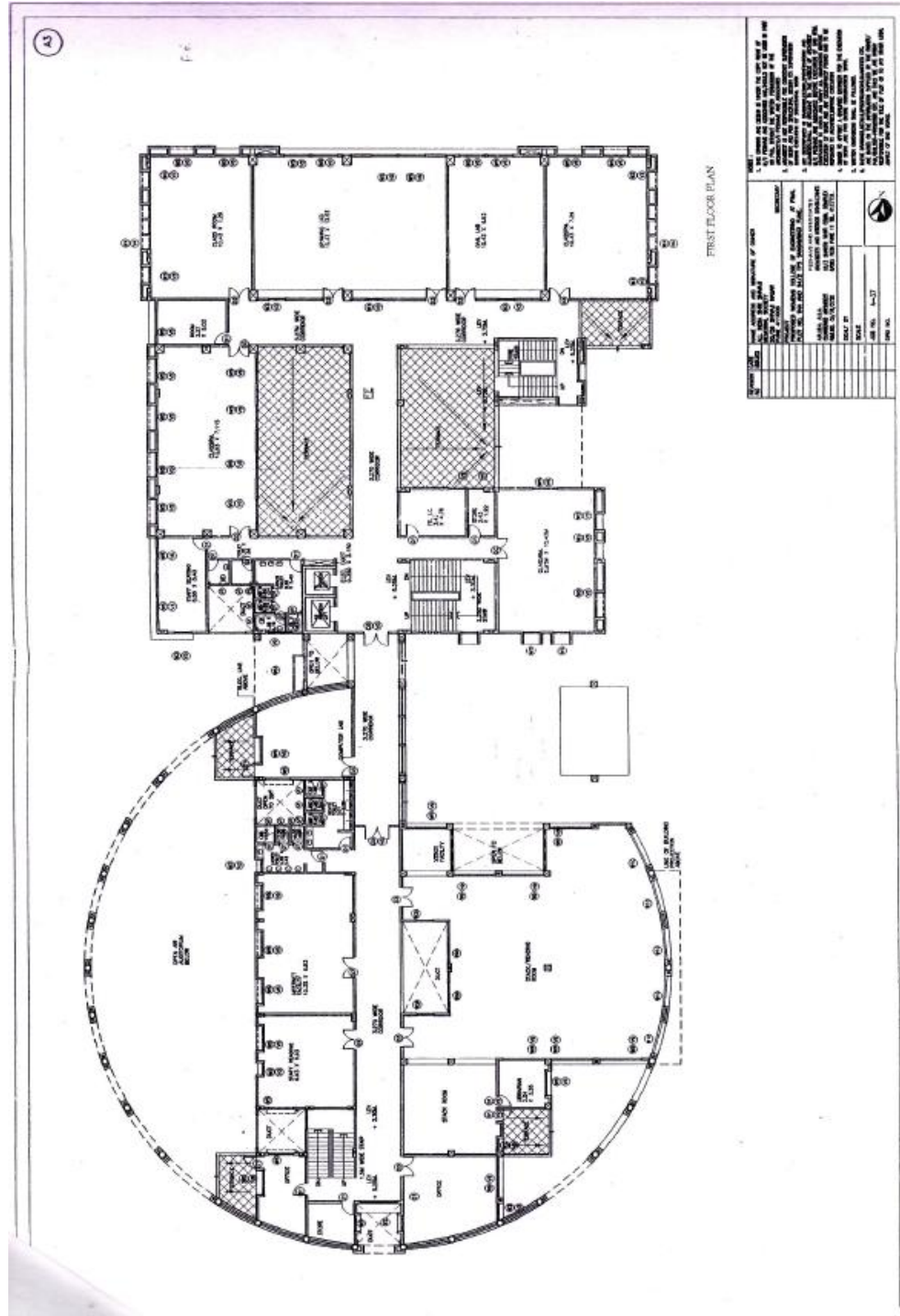| 121.	Engineering Sciences Department	A.J.More S.S.Gadadhe N.P. Bhone	Faculty Development Program on "Innovation Management"	Pimpri chichawad College of Engineering Akurdi Pune.	05/06/ 2014
122.	Engineering Sciences Department	D.S. Mankar	Faculty Development Program	Vishay Component Pvt.Ltd. Hadapsar	17 to 19/07/ 2014
123.	Engineering Sciences Department	P.S. Rathod	Faculty Development Program	Vishay Component Pvt.Ltd. Hadapsar	17 to 19/07/ 2014
124.	Engineering Sciences Department	A.J. More	Faculty Development Program	Vishay Component Pvt.Ltd. Hadapsar	17 to 19/07/ 2014
125.	Engineering Sciences Department	S.S. Gadadhe	Faculty Development Program	Vishay Component Pvt.Ltd. Hadapsar	17 to 19/07/ 2014
126.	Engineering Sciences Department	N.P. Bhone	Faculty Development Program	Vishay Component Pvt.Ltd. Hadapsar	17 to 19/07/ 2014
127.	Engineering Sciences Department	S.S.Gadadhe	Faculty Development Program	AVCOE Sangamner	25 & 26/09/ 2014
128.	Engineering Sciences Department	R.R. Kolhe	Faculty Development Program	AVCOE Sangamner	25 & 26/09/ 2014
129.	Engineering Sciences Department	A.N. Khan	Faculty Development Program	Engineering Sciences Department AISSMS-IOIT PUNE-01	12 & 13/06/ 2014

130.	Engineering Sciences Department	Y.P.Patil	International workshop, CIPET	CIPET Banglore	
131.	Engineering Sciences Department	P.G. Mushrif	National conference ASI-2015	NCRI Pune	17 to 20/02/2015
132.	Engineering Sciences Department	P.G. Mushrif	Workshop on multiwavelength data analysis	IUCA Pune	16/02/2015
133.	Engineering Sciences Department	S.V. Arlikar	Workshop on multiwavelength data analysis	IUCA Pune	16/02/2015
134.	Engineering Sciences Department	A.J. More	International conference on energy system & development	Trinity college of Engg. & Research Pune	11 to 13/02/2015
135.	Engineering Sciences Department	G.N. Mawale	Workshop on experimentation for research & effective tech. writting	AISSMS-IOIT Pune	15 & 16/01/2015
136.	Engineering Sciences Department	K.R. Darvekar	Workshop on experimentation for research & effective tech. writting	AISSMS-IOIT Pune	15 & 16/01/2015
137.	Engineering Sciences Department	A.J. More	National conference NCTR 15	Anantrao Pawar college of Engg.& research Parvati	10/01/2015

VI. Master Plan of the Institute
1.   Elevation Plan:

2. Basement Plan

3. First Floor Plan

4. Second Floor Plan

5.   Third Floor Plan

6. Fourth Floor Plan

FOURTH FLOOR PLAN

7. Fifth & Sixth Floor Plan

FIFTH FLOOR PLAN

SIXTH FLOOR PLAN

8.   Seventh Floor & Terrace Plan