The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

1. Details of the Institution

1.1 Name of the Institution:

> SCTR's Pune Institute of Computer Technology

1.2 Address Line 1:

> S.No.27, Pune Satara Road,

Address Line 2:

> Dhankawadi,

City/Town:

> Pune

State:

> Maharashtra

Pin Code:

> 411043

Institution e-mail address:

> principal@pict.edu

Contact Nos. :

> 020-24371101, 24378063 , 24372041, 24376190, 24372479

Name of the Head of the Institution:

> Dr. Prahlad T. Kulkarni

Tel. No. with STD Code:

> 020-24372478

Mobile:

> 9923446356

Name of the IQAC Co-ordinator:

Prof. K. R. Atal

Mobile:

9822402554

IQAC e-mail address:

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

8625

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004. This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

NAAC/RAR/EC-53/58/2010 dated 06-09-2010

1.5 Website address:

www.pict.edu

Web-link of the AQAR:

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B+	Institutional Score between 75-80%	2004	Five Years
2	2nd Cycle	B	2.88	2010	Five Years

1.7 Date of Establishment of IQAC :   DD/MM/YYYY

11-07-2009

1.8 AQAR for the year *(for example 2010-11)*

2013-14

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

  i.   AQAR 2010-11 submitted on (30/03/2017)
  ii. AQAR 2011-12 submitted on (30/03/2017)
  iii. AQAR 2012-13 submitted on (30/03/2017)
  iv. AQAR 2013-14 submitted on (30/03/2017)

1.10 Institutional Status

University   State [ ] Central [ ] Deemed [ ] Private [ ]

Affiliated College   Yes [√] No [ ]

Constituent College   Yes [ ] No [ ]

Autonomous college of UGC   Yes [ ] No [ ]

Regulatory Agency approved Institution   Yes [√] No [ ]

(eg. AICTE)

Type of Institution   Co-education [√]   Men [ ]   Women [ ]

                      Urban [√]   Rural [ ] Tribal [ ]

Financial Status   Grant-in-aid [ ]   UGC 2(f) [ ]   UGC 12B [ ]

                      Grant-in-aid + Self Financing [ ]   Totally Self-financing [√]

1.11 Type of Faculty/Programme

Arts [ ]   Science [ ]   Commerce [ ]   Law [ ]   PEI (Phys Edu) [ ]

TEI (Edu) [ ] Engineering [√]   Health Science [ ]   Management [ ]

Others   (Specify)   [.]

1.12 Name of the Affiliating University *(for the Colleges)*   [University of Pune]

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University [　　　]

University with Potential for Excellence [　　　]　　　UGC-CPE [　　　]

DST Star Scheme [　　　]　　　UGC-CE [　　　]

UGC-Special Assistance Programme [　　　]　　　DST-FIST [　　　]

UGC-Innovative PG programmes [　　　]　　　Any other (*Specify*) [　　　]

UGC-COP Programmes [　　　]

2. IQAC Composition and Activities

2.1 No. of Teachers

[ ]

2.2 No. of Administrative/Technical staff

[ ]

2.3 No. of students

[ ]

2.4 No. of Management representatives

[ ]

2.5 No. of Alumni

[ ]

2. 6 No. of any other stakeholder and

　community representatives

[ ]

2.7 No. of Employers/ Industrialists

[ ]

2.8 No. of other External Experts

[ ]

2.9 Total No. of members

[ ]

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:　　No. [ ]　　Faculty [ ]

　　Non-Teaching Staff Students [ ]　Alumni [ ]　　Others [ ]

2.12 Has IQAC received any funding from UGC during the year?　Yes [ ]　No [√]

　　If yes, mention the amount [ ]

2.13 Seminars and Conferences (only quality related)

　(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

　　Total Nos. [ ]　International [ ]　National [ ]　State [ ]　Institution Level [ ]

　　(ii) Themes [ ]

2.14 Significant Activities and contributions made by IQAC

IQAC conducts audit of all functions heads in the institute ones in every semester
Review meeting has been conducted to present status of every function in the institute

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To achieve programme education objectives	Framed Course outcome using Blooms taxonomy
To boost industry interaction	MOUs has been signed

Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body   Yes ☐   No ☑

Management ☐   Syndicate ☐   Any other body ☐

Provide the details of the action taken

Part – B

Criterion – I
1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	02		02	
PG	03		03	
UG	03		03	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total				

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: ~~CBCS~~/Core/Elective option / ~~Open options~~
The college offers all the electives for final year student in all branches. Open elective is offered for Post graduate students in association with industry.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	03
Trimester	--
Annual	--

1.3 Feedback from stakeholders*   Alumni [✓] Parents [✓] Employers [✓] Students [✓]
   (On all aspects)

   Mode of feedback   :   Online [✓] Manual [✓] Co-operating schools [ ]
   (for PEI)

*Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

> Yes , UG second year syllabus has changed to cope with industry need

1.5 Any new Department/Centre introduced during the year. If yes, give details.   NIL

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
89	67	08	8+1*	05

*includeing principal

2.2 No. of permanent faculty with Ph.D.

11

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
20	0	01	23	02	09	03	0	23	32#

#To share the workload of vacant post of Asso. Prof. & Professor, more no. of Asst. Prof./Lecturer are available.

2.4 No. of Guest and Visiting faculty and Temporary faculty

28   13   57

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level	Journal
Attended Seminars/ Workshops	31	--	--	--
Presented papers	31	04	12	28
Resource Persons	--	05	30	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The revision of the curriculum is done by the Savitribai Phule Pune University every four to five years to cope up with the technological changes in the industry and impart better education to the students. This has helped in the enhanced learning amongst the students. The faculty members from the department are actively involved in designing, planning and implementing the syllabus at university and college level. The university has introduced the online examination system from previous year for first year engineering from this year for second year. The university will conduct 2 online examinations in the semester of 25 marks each. The institute takes the following effort to make teaching and learning:

1. Mock online examinations are conducted.
2. Mock practical examinations are conducted.
3. Two unit-tests are conducted in each semester.
4. Seminars, Industrial Visits are conducted throughout the year.
5. NPTEL videos are shown to the students.
6. Remedial Classes for Diploma/Weak students are conducted regularly.

7. NPTEL Lectures
8. Expert/Guest Lectures
9. Conduction of Workshop
10. Developed online system for feedback
11. Blogs are created for online study material
12. Presentation on recent/current Technologies
13. Organization of Faculty Development Programme
14. Designing Courses outcomes
15. Exposure to Industry through industry visits.
16. Internship opportunities for hands-on experience in Summer Break
17. Project based learning (Mini projects) & exhibitions
18. Academic audit
19. Feedback

2.7 Total No. of actual teaching days during this academic year

| 180 |

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

External examinations are conducted as per SPPU guidelines. Institute follows following evaluation methods for internal assessment
1. Two Unit Test per semester
2. Mock practical/Oral test
3. Open Book Test
4. Assignments
5. Online multiple choice question for unit test
6. Revaluations and recounting can be opted by the students
7. Term Work evaluation
8. Periodical Project Reviews
9. Seminar Evaluation
10. Evaluation schemes In-Semester exams of 30 marks and End-semester exam of 70 marks is introduced for TE, BE.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

Restructuring	Revision	Development
02	22	13

2.10 Average percentage of attendance of students

| 78.22 |

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Year	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
FE	FE	598	61.54	15.89	9.36	NA	1.34
COMPUTER	SE	288	41.63	28.32	7.84	2.38	0.68
	TE	155	20.64	40	16.12	6.5	0.64
	BE	144	35.41	38.88	14.58	2.77	0.00
E&TC	SE	220	88	68	16	12	-
	TE	160	36	40	32	11	01
	BE	134	63	47	06	03	-
IT	SE	147	41.22	21.62	16.22	3.38	0.00
	TE	146	24.66	36.99	19.86	2.05	0.00
	BE	132	62.88	25.00	2.27	2.27	0.00

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

1. Regular conduction of lectures
2. Preparing teaching plan
3. Schedule for laboratory
4. Lab assignments are designed and divided as per complexity level
5. Formation of subject group among the teachers
6. Analysis of final result and verification of action taken
7. Meetings with teachers to discuss progress of work
8. Regular checking of teachers record
9. Daily attendance record maintained by teacher
10. Enhancing awareness about Student Support Services through seminar
11. Regular meeting to monitor progress of students
12. Feed back of teachers for further improvement
13. Evaluation process through conduction of internal assessment which is done for each subject in every semester for all the students
14. Arranging regular and scheduled lectures on all subjects
15. Add on lectures by subject experts
16. Mentor for resolving the student's problem relating to subject, research project and other difficulties faced by the students
17. Use of modern teaching aids such as Power point, video lectures etc during their lectures
18. Regular assessment system for the students
19. Recommended the purchase the Books for new syllabus, as per need

20. Assignment, seminar presentation and case studies are given to the students for improving and enhancing the subject knowledge as well as developing a better personality

21. Performance Based Appraisal System faculty members on their teaching and research performance

22. Through internal academic audit conducted once in a semester before commencement of term.

23. Feedback is taken twice in a semester i.e. after completion of half semester and at the end of semester.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	03
UGC – Faculty Improvement Programme	-
AICTE – Faculty Improvement Programme	17 Android workshop
HRD programmes	01
Orientation programmes	22
Faculty exchange programme	01
Staff training conducted by the university	33
Staff training conducted by other institutions	31
Summer / Winter schools, Workshops, etc.	84
Others	01(Sabbatical in EQ technologic)+04

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	17	0	0	0
Technical Staff	42	0	09	06

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Conducted session on current trends in Machine Learning

Organised workshop on Embedded System covering current research trends

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	NIL	01	NIL
Outlay in Rs. Lakhs	1,50,000	--	6,50,000	---

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	01
Outlay in Rs. Lakhs	--	--	--	1,90,000

3.4 Details on research publications

	International	National	Others
Peer Review Journals	69	01	02
Non-Peer Review Journals	18	--	--
e-Journals	51	--	--
Conference proceedings	29	--	12

3.5 Details on Impact factor of publications:

Range   0.21-5.9   Average   2.533   h-index   07   Nos. in SCOPUS   --

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	03	AICTE – RPS	6,50,000/-	6,00,000/-
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--

Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects *(other than compulsory by the University)*	02	BCUD,Pune	1,50,000	1,50,000
Any other(Specify)	--	--	--	--
Total	--	--	--	--

3.7 No. of books published   i) With ISBN No. | 02 | Chapters in Edited Books | |

ii) Without ISBN No. | |

3.8 No. of University Departments receiving funds from

UGC-SAP | | CAS | | DST-FIST | |

DPE | | DBT Scheme/funds | |

3.9 For colleges   Autonomy | | CPE | | DBT Star Scheme | |

INSPIRE | | CE | | Any Other (specify) AICTE, DST, SPPU | √ |

3.10 Revenue generated through consultancy | 2,00,000 Rs. |

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	--	--	--	--	--
	Sponsoring agencies	--	--	--	--	--

3.12 No. of faculty served as experts, chairpersons or resource persons | 55 |

3.13 No. of collaborations   International | 1 | National | 06 | Any other | |

3.14 No. of linkages created during this year | 1 |

3.15 Total budget for research for current year in lakhs:

From Funding agency | 1205588 | From Management of University/College | 1500000 |

Total | 2705588.0 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	--
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions   received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
03	02	--	--	01	--	--

3.18 No. of faculty from the Institution
    who are Ph. D. Guides
    and students registered under them

0

--

3.19 No. of Ph.D. awarded by faculty from the Institution

01

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF --   SRF --   Project Fellows --   Any other   --

3.21 No. of students Participated in NSS events:

University level --   State level --

National level --   International level --

3.22 No. of students participated in NCC events:

University level --   State level --

National level --   International level --

3.23 No. of Awards won in NSS:

University level --   State level --

National level --   International level --

3.24 No. of Awards won in NCC:

University level --   State level --

National level --   International level --

3.25 No. of Extension activities organized

University forum	--	College forum	yes
NCC	--	NSS	--	Any other	--

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Money donation

- Blood donation

- Rice donation

- Academic fees for child for 1 year

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	5 ACRES			5 ACRES
Class rooms	36			36
Laboratories	45			45
Seminar Halls	03			03
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	332	72		404
Value of the equipment purchased during the year (Rs. in Lakhs)	7461661	2101074		9562735
Others				

4.2 Computerization of administration and library

The Administration, Accounts, Purchase, Library, Placement, Academics everything is covered by MIS software. The students, teachers and parents were provided with login and password to access the necessary information.   Digital Library Software is developed in-house. Bar-coding of books & Identity Cards is done. Use of SAN for storage and use of digital contents.

4.3   Library services:

	Existing Till 2012-13		Newly added 2013-14		Total	
	No.	Value	No.	Value	No.	Value
Text Books	16924	45,23,752	1813	7,04,283	18737	52,28,035
Reference Books	13608	31,50,153	93	34,694	13701	31,84,847
e-Books	363	1,15,545	--	--	--	--
Journals	115	3,28,815	102	1,89,943	102	1,89,943
e-Journals	4331+ 9689 IEEE Conf.Paers	12,05,809	585+ 9689 IEEE Conf.Papers	12,81,690	585+ 9689 IEEE Conf.Papers	12,81,690
Digital Database	1929		1763		3692	
NPTEL	1111	--	1500	--	2611	--
Project	618	--	132	--	750	--

Reports						
Question Papers	200	--	131	--	331	--
CD & Video	3532	81574	326	--	3858	81574
Others (specify)	BCL Membership	8500	--	--	BCL Membership	8500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Center	Computer Centers	Office	Departments	other
Existing	1002	39	16 MBPS	39	01	01	04	01-server room Department library
Added	161	02	34 MBPS	02	00	00	0	
Total	1111	41	40 MBPS	41	01	01	04	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

> Organised workshop on Design and analysis of various Network tools
>
> Organised workshop on Mobile application using Android

4.6 Amount spent on maintenance in lakhs :

i) ICT   12.72514

ii) Campus Infrastructure and facilities   117.62517

iii) Equipments   5.94211

iv) Others   1.61389

Total :   137.91

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> ✓ Parent, teacher and class teacher activity.
>
> ✓ Provision of Gym
>
> ✓ Health centre facility
>
> ✓ Grievance redressal committee
>
> ✓ Hostel facility for both boys and girls
>
> ✓ Canteen facility for both boys and girls
>
> ✓ Library Facility
>
> ✓ Arrangement of Industrial Visit to enhance practical knowledge
>
> ✓ Wi-fi facility

5.2 Efforts made by the institution for tracking the progression

> ✓ Conducting parents meet and informing them on the progress of their children.
>
> ✓ Allocated parent teacher for each batch of 20 students and a class teacher for each class to monitor and counsel the students' progress in academic as well as extra-curricular activities.
>
> ✓ Conducted extra lectures and remedial classes to improve performance of students.
>
> ✓ Conduction of practical a MOCK test to improve the confidence and performance of the students.
>
> ✓ Conduction of Unit test
>
> ✓ Giving Extra assignments to students
>
> ✓ Highlighting achievements of students in college news letter
>
> ✓ Felicitation of University toppers during annual gathering.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2145	144	00	NA

(b) No. of students outside the state

| 155 |

(c) No. of international students

| NIL |

No	%		No	%	
1380	60.28	Men	909	39.71	Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1289	150	63	461	11	1974	1449	204	60	559	17	2289

Demand ratio 1.0233   Dropout % 0.1633

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Workshops /seminars on preparation of competitive exams, interview skills, soft skills

19 training programs conducted under placement cell related to improve students aptitude, Group discussion and leadership quality.

No. of students beneficiaries | 449+ |

5.5 No. of students qualified in these examinations

NET | NA | SET/SLET | NA | GATE | NA | CAT | NA |

IAS/IPS etc | NA | State PSC | NA | UPSC | NA | Others | NA |

5.6 Details of student counselling and career guidance

Student – Teacher mentor program.

Training programs for aptitude practicing, personality development, group discussion, competitive exams.

No. of students benefitted | 300+ |

5.7 Details of campus placement

Branch	On Campus			Off Campus
	Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
IT	47	104	83	NA
computer	47	111	92	NA
E&TC	47	81	69	NA

5.8 Details of gender sensitization programmes

- A grievance Redressal committee look after to the complaints from the aggrieved.
- Suggestion/ Compliant Box are provided at office of the Principal for the Students and Staff to lodge their complaints/ suggestions. The report of grievance committee is forwarded to Principal for further action. The corrective measures are taken and recorded in the register.

5.9 Students Activities RRC DATA Awaited

5.9.1 No. of students participated in Sports, Games and other events

State/ University level ☐   National level ☐   International level ☐

No. of students participated in cultural events

State/ University level 62   National level ☐   International level ☐

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level ☐   National level ☐   International level ☐

Cultural: State/ University level 08   National level ☐   International level ☐

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	803	4,81,58,146.00
Financial support from other sources	812	75,13,070.00
Number of students who received International/ National recognitions		

5.11   Student organised / initiatives

Fairs   : State/ University level | 02 | National level | | International level | |

Exhibition: State/ University level | | National level | 01 | International level | |

5.12   No. of social initiatives undertaken by the students | 04 |

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:
       Pune Institute of Computer Technology aspires to be the leader in higher technical education and research of international repute.

Mission:
       To be the leading and most sought after institute of education and research in emerging engineering and technology disciplines that attracts, retains and sustains gifted individuals of significant potential.

6.2 Does the Institution has a management Information System

YES, PICT Has Management Information System.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The curriculum development is carried out as per University of Pune Guidelines. Faculties are actively participating in curriculum restructuring, revision, syllabus development; act as member of Board of Study, worked as resource person in faculty development or curriculum development workshops.

6.3.2 Teaching and Learning

The Institute ensures effectiveness of the teaching-learning process by:

1. Implementation of outcome based teaching and learning methodology.

2. Recruitment of well qualified and experienced staff as per AICTE norms.

3. Course allocation to the faculty much before the commencement of the semester to help them prepare lesson plan and lesson notes.

4. Review of the academic results of the previous year

5. Authenticated copy of syllabus is issued to the faculty members.

6. To bridge the curricular gap contents beyond the syllabus are taught by the faculty members.

Online feedbacks from students to assess the teaching skills of the faculty.

7. Continuous assessment of students' performance through tests, assignments, seminars and projects.

8. Emphasis on imparting skills through laboratory experiments and various skill development Programmers.

9. Promoting professional development of faculty by providing support

      1. To undergo refresher courses.

      2. To pursue doctoral Programs.

      3. To attend and organize National and International Seminars/workshops/conferences.

6.3.3 Examination and Evaluation

- In semester assessment is carried out with two unit test based on 2 units each for Theory and Mock practical exam for Practicals.
- Setting up of question paper for tests to challenge various essential abilities of students such as analysis, synthesis, interpretation, design, etc. based on Blooms' Taxonomy rather than conventional memory recall based questions
- Teacher assessment based on tutorials where ever applicable and Home Assignment for all subjects / courses
- In semester exam for 30 marks and the end Semester Exam for 70 marks is carried out by SPPU Pune
- Identification of academic and attendance defaulters and counseling for improvement in student performance by Class coordinators and Guardian Teacher Members
- Formative and summative assessment
- Open book / MCQ / conventional Class Test MCQ based Test with objective questions of varying degree of difficulty

---

- Faculties are encouraged to apply for research grants by government bodies for their projects and also publish research papers in National/International Journal and conferences.
- In all 01 ongoing funded projects by various funding agencies(DST/BCUD/AICTE/)
- 68 research papers have been published in international and national journal and conferences.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library committee is formed which has representative members from each department.
The committee insures requirement of books, magazines and Journals including online subscriptions is fulfilled.
Library provides following facilities
1. Book bank schemes
2. Online delivery of pdf articles to students and staff
3. Journal content page to staff
4. Purchase of book other than syllabus
5. Online webinars, NPTTEL videos

6.3.6 Human Resource Management

- At the entry level strict selection process is adopted to ensure the quality of the staff appointed in the institute. This ensures the attraction of gifted individuals of significant potential.
- The orientation program and faculty development programmes are conducted periodically to improve the quality of the staff.
- The staff members are encouraged to conduct/attend FDPs/ Short term courses/workshops/Seminars/Conferences etc. to update their skills and knowledge.
- Thrust is also given on qualification improvement (in addition to quality) by deputing the staff members for higher studies.
- Many benefits are given to the staff to retain the gifted individual (like Study Leave, Sabbatical Leave, Vacation, Medical leave, Maternity Leave (Female Staff), Advance against salary, Gratuity, P.F., Revised pay scales, timely salary/increments/D.A.etc.)
- The performance based appraisal system is in place to review/evaluate the performance of the staff. In addition to this, there is an automated feedback system.

6.3.7 Faculty and Staff recruitment

Procedure for Faculty recruitment :

a) All posts of the teachers shall be widely advertised in leading news papers and institute website as per the Roster approved by university, mentioning the number of vacant posts, qualification required, etc.
b) Reasonable time shall be allowed to applicants, to submit their applications in prescribed format along with necessary documents.
c) The list of the selection committee members will be provided by the University.
d) The date of the interview shall be so fixed as to allow the notice period of fifteen days to each member of the selection committee appointed by university and to the candidates. The list of the candidates eligible for the selection process is provided to the selection committee.
e) The Selection Committee shall interview and to adjudge the merit/suitability of each candidate in accordance with the qualifications advertised, and recommend the list of the selected candidates in the order of merit. The minutes of the selection process is also submitted along with the selection report.
f) The Competent Authority, with the approval of the Vice-Chancellor, shall appoint the faculty as per the recommendation of the selection committee.
g) The application(s) of the selected and joined candidates in a prescribed format is forwarded to the university for approval.

Procedure for recruitment of Non Teaching Staff :

The recruitment is made purely on the merit basis, through a Local Selection Committee of the Institute comprising of the Principal, the head of the department and one or two experts in the subject concerned. On satisfactory completion of temporary service period of one year, the staff will be put on probation for two years.

6.3.8 Industry Interaction / Collaboration

To inculcate the research and development opportunities, Industry interaction and collaboration is started in following ways.

1. 47 multinational companies visited for campus interviews

2. Memorandum of Understanding with various companies(MOU)-03+02

3. Conduction of Seminars/Expert lectures/Guest Lectures-06+11

4. Project sponsorship for BE students-32+24

5. Internship for TE and BE students -0 + 39

6. Industrial visits-0 +01

6.3.9 Admission of Students

The Admission process is centralized by the Admission Regulating Authority (DTE), Maharashtra State. All the processes are in place in the centralized admission process of Govt. of Maharashtra. However, to improve the quality of the admission process and to provide transparency, the following strategies are adopted by the institution.

1. The Institution has implemented many processes by which we are in a position to be listed in the top ten among the private engineering institutions in India for excellence in teaching and research. In addition to this, our results and placements are always excellent. This helped us to attract merit students.
2. The excellent infrastructure provided by the institution is well accepted by the students as well as parents.
3. We are able to attract and retain well qualified and motivated faculty .
4. The whole admission process is totally computerized and the MIS system is used extensively in the admission process to provide transparent, fast, hassle free and user friendly admission interface.
5. The admitted students are made to undergo orientation programme wherein they are made familiar with the various facilities, processes, systems etc.

6.4 Welfare schemes for

Teaching	
Non teaching	- Group Insurance - Provident Fund and Gratuity - On campus availability of Doctor - Training Programs, - Maternity Leaves,
Students	- Earn and Learn Scheme - Scholarships - Educational Loan assistance - On campus availability of Doctor - Training Programs, Workshops, Seminar, Social Awareness, Gymkhana

6.5 Total corpus fund generated   11000

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Dnvgl	Yes	Internal Authorized Auditors
Administrative	Yes	Dnvgl	Yes	Internal Authorized Auditors

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes ☐   No ✓

For PG Programmes   Yes ☐   No ✓

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

NA

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

NA

6.11 Activities and support from the Alumni Association

Alumni meet is arranged at college.

Various sessions for students are conducted by alumni for technology updates

Offered scholarship for six toppers

ED Cell conducted 4 sessions with following companies to offer Business Incubation facility & start companies

1. Trade Sankul,
2. Code Dynamics,
3. Fizzible,
4. Zang Out

6.12 Activities and support from the Parent – Teacher Association

Regular Parent Teacher interaction process.
-By Semester Parent-Teacher Meet.

6.13 Development programmes for support staff

Workshop for technology up gradation

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. The Institute is committed towards energy conservation.

2. All the common area &washrooms are fitted with proximity sensors to save electricity when these areas are un-utilized.

3. The hostels are fitted with solar water heaters.

4. The Institute has implemented the rain water harvesting project, which has saved a significant amount of water expenses.

5. It also maintains the campus ecology.

6. We observe no paper day every year on 30th of June.

7. The Institute has successfully implemented a Tree Plantation Program through the NSS activity, which has resulted in a green and eco- friendly campus.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- To enhance and strengthen industry institute interaction, the department has signed MoUs with 3DPLM for Project development and NTT Data for Internship program.
- Knowledge gain and skill development for student and staff.
- NPTL lectures are introduced also students are instructed to apply NPTL online courses
- Motivating students for curricular and extracurricular activities.
- Motivating Students for Higher Studies.
- Mission 10x learning centre(MTLC) is established
- Encourage students to initiate for e-yantra –robotics competitions.
- Scientia and Pulzion annual events of IET and ACM has been started to provide platform for enhancement of technical and organisational skills of students.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Refreshers courses has been organised by Wipro Mission 10x for teaching skill up gradations.
- Faculty development program has been arranged
- MOUs has been signed with leading industries.
- Active participation of students in professional chapter activities.
- PG second shift in Computer engineering has been started.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

- Course outcomes ,program outcomes are defined for all the subjects
- Providing platform to student for showcasing their talent in extracurricular, co-curricular activities

7.4 Contribution to environmental awareness / protection

- Green and clean campus
- Automatic switches are installed in passages and washrooms to save the energy.
- LED lights are used in the campus.
- Tree plantation

7.5 Whether environmental audit was conducted?   Yes [ ]   No [✓]

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths

- Outstanding students representing all regions of the country
- Committed faculty
- Rank holders in SPPU exams
- Student Placement is remarkable.
- Research Funded Projects and collaborative work with industry partners, student projects and In-house developments.
- Continuous process to Upgrade Educational Qualification by Staff members and technical staff.
- Teachers Publications at International / National Journals / Conferences as well as Invited talk/speech.
- Involvement in Research/Curriculum development/Guest lectures.
- Membership of professional societies(IEEE, ACM,CSI, ISTE).
- Organization of Seminars/Workshop/ Conferences
- cPGCON -2013 has been organized in association with BOS CE UOP and ACM Pune professional chapter

Weakness

- Centre of Excellence
- Organization and participation in colloquium
- Fund generation for research and international publications
- Interaction with foreign universities
- Ph.D. qualified faculties
- Few Research Publications
- No IPR

Opportunities

- Improving research culture in the department

Challenges

- Attracting consultancy projects

- Planning for IPR

8. Plans of institution for next year

Improving Industry Institute Interaction by signing MoUs Centre of excellence
Make aware and encourage faculty for IPR and consultancy
Encourage Inhouse product development

Name _____   Name
_____

      _____
_____

Signature of the Coordinator, IQAC   *Signature of the Chairperson,*
IQAC

_____***_____

<u>Annexure I</u>

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission