

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:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOCN 18879)

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)

1.5 Website address:

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

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

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted 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)
- v. AQAR 2014-15 submitted on (30/03/2017)
- vi. AQAR 2015-16 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*)

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	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="08"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="01"/>
2.3 No. of students	<input type="text" value="00"/>
2.4 No. of Management representatives	<input type="text" value="02"/>
2.5 No. of Alumni	<input type="text" value="00"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="00"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="00"/>
2.8 No. of other External Experts	<input type="text" value="00"/>
2.9 Total No. of members	<input type="text" value="11"/>
2.10 No. of IQAC meetings held	<input type="text" value="Twice a year"/>

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 encourage student to opt for various courses other than university syllabus	Students enrolled and successfully completed MOOCs certification by NPTL
Implementation of PO attainment process	Successfully implemented

* 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

Academic Year 2015-16

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/Open options 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 final year and PG second year syllabus has changed to cope up with industry requirement

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
87	66	08	8+1*	04

*including principal

2.2 No. of permanent faculty with Ph.D.

15

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	0	31	0	12	01	0	21	43#

#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

26 11 84

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level	Journal
Attended Seminars/ Workshops	04	03	--	--
Presented papers	18	03	15	18
Resource Persons	--	01	21	--

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 Mid-sem examination this year for third year engineering. The mid-sem examination is of 30 marks and end-sem examination is of 70 marks. The institute takes the following effort to make teaching and learning:

1. Exposure to Industry through industry visits.
2. Internship opportunities for hands-on experience in Summer Break
3. Video Lectures
4. Crosswords, Quizzes, Games
5. Project based learning (Mini projects) & exhibitions
6. Academic audit
7. Online system for Feedback
8. Blogs are created for online study material.
9. Definition of Course Outcomes and Program Outcomes
10. Exposer to the state of art technology through industry supported labs.
11. Mock online and practical examinations are conducted.
12. Two unit-tests are conducted in each semester.
13. Seminars, Industrial Visits are conducted throughout the year.
14. NPTEL videos are shown to the students.
15. Remedial Classes for Diploma/Weak students are conducted regularly.
16. Gap analysis and Bridging via point 6. & 7.
17. Expert/Guest Lectures
18. Conduction of Workshop
19. Presentation on recent/current Technologies
20. Faculty Development Program me
21. Certificate Courses
22. Best innovative & social project award

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

181

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
03	10	09

2.10 Average percentage of attendance of students

80.55

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	614	66.12	4.72	1.47	0.00	0.00
E&TC	SE	289	92	82	27	13	0.00
	TE	269	113	77	27	02	0.00
	BE	234	161	51	12	01	0.00
COMPUTER	SE	298	53.35	19.46	3.02	0.67	0.00
	TE	314	49.04	23.56	7.0	3.45	0.95
	BE	292	66.43	26.36	2.74	0.68	0.00
IT	SE	145	59.46	19.59	4.73	0.68	0.00
	TE	148	43.92	27.70	6.08	1.35	0.00
	BE	159	62.89	22.64	3.77	0.00	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.
24. CO-PO attainment and concerned process is followed rigorously.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	--
UGC – Faculty Improvement Programme	--
HRD programmes	01
Orientation programmes	23
Faculty exchange programme	01
Staff training conducted by the university	17
Staff training conducted by other institutions	23
Summer / Winter schools, Workshops, etc.	50
Others	13

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	02
Technical Staff	48	0	02	06

Criterion – III

3. Research, Consultancy and Extension

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

Organized session on filling IPR
Organised session on R Programming

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	01	02	02
Outlay in Rs. Lakhs		1,50,000	4,15,000	2165,0000

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	04	NIL	NIL
Outlay in Rs. Lakhs		7,60,000		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	86	01	01
Non-Peer Review Journals	15		
e-Journals	70		
Conference proceedings	08	02	15

3.5 Details on Impact factor of publications:

Range

0.134 -6.57

 Average

3.144

 h-index

07

 Nos. in SCOPUS

01

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/-	16,000/-
Minor Projects	02	SPPU	1,90,000	1,90,000
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	02	BCUD, SPPU	1,90,000	95,000
	02	BCUD, SPPU	1,80,000	90,000
	02	BCUD, SPPU	2,00,000	1,00,000
	02	BCUD-SPPU	4,15,000	2,05,000
Students research projects (other than compulsory by the University)				
Any other(Specify)	2015-16	PICT,Pune	52,000	52000
	2015-16	PICT,Pune	7,200	7200
Total	--	--	--	--

3.7 No. of books published i) With ISBN No. 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

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	--	01	--	--	--
	Sponsoring agencies	--	BCUD	--	--	--

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

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
01	--	--	01	--	--	--

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

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

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
NCC NSS Any other

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

- Picto-social event: UG students teaches internet lesson to school children
- blood donation
- Rice Donation
- money donation(Naam foundation)
- Yoga day celebration

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	31			31
Laboratories	46	05		51
Seminar Halls	03	02		05
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	461	15		476
Value of the equipment purchased during the year (Rs. in Lakhs)	10457777	1312675		11770452
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 2014-15		Newly added 2015-16		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19813	56,16,628	570	1,87,360	20383	58,03,988
Reference Books	13725	32,04,060	261	68,107	13986	32,72,167
e-Books	380	1,54,160	380	1,76,896	380	1,76,896
Journals	81	1,17,651	60	95,435	60	95,435
e-Journals	589+ 600000 IEEE Conf.Papers	13,39,665	7193+ 600000 IEEE Conf.Papers	16,19,603	7193+ 600000 IEEE Conf.Papers	16,19,603
Digital	6405		2272		8677	

Database						
NPTEL	4911	--	1700	--	6611	--
Project Reports	884	--	197		1081	
Question Papers	610	--	375	--	985	--
CD & Video	3952	81574	99	--	4051	81574
Others (specify)	BCL Membership	2200	BCL Membership	999	BCL Membership	999

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Center	Computer Centers	Office	Departments	other
Existing	1150	42	40 MBPS	42	01	01	04	01-server room 01-library
Added	189	02	60 MBPS	02	00	00	00	00
Total	1281	44	100 MBPS	44	01	01	04	

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

Workshops on new trends in Network, cloud computing, Android application development, Big data , big data impact, IoT

Development of communication trainer kit, PIC board

Workshop on Embedded system design by ARM cores

4.6 Amount spent on maintenance in lakhs :

i) ICT	13.4272
ii) Campus Infrastructure and facilities	119.84508
iii) Equipments	6.33234
iv) Others	5.15718
Total :	144.7618

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

UG	PG	Ph. D.	Others
2798	122	10	--

 students

(b) No. of students outside the state

171

(c) No. of international students

01

<table border="1" style="display: inline-table;"><tr><td>No</td><td>%</td></tr><tr><td>1772</td><td>60.48</td></tr></table>	No	%	1772	60.48	Men	<table border="1" style="display: inline-table;"><tr><td>No</td><td>%</td></tr><tr><td>1158</td><td>39.52</td></tr></table>	No	%	1158	39.52	Women
No	%										
1772	60.48										
No	%										
1158	39.52										

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1562	241	77	780	22	2682	1799	269	79	761	22	2930

Demand ratio 1.0466 Dropout % 0.3184

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

No. of students beneficiaries

468+

5.5 No. of students qualified in these examinations

NET	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	SET/SLET	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	GATE	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	CAT	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA
NA											
NA											
NA											
NA											
IAS/IPS etc	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	State PSC	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	UPSC	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA	Others	<table border="1" style="display: inline-table;"><tr><td>NA</td></tr></table>	NA
NA											
NA											
NA											
NA											

5.6 Details of student counselling and career guidance

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

Guest Lecture An Empowering Mentoring Approach to Master's and Doctoral Programs in USA- Motivations, Road maps and Academic and Career fulfilment

Lectures series for students preparing for GATE

No. of students benefitted

400+

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	50	122	98	NA
computer	50	251	220	NA
E&TC	50	167	147	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.

Sexual Harassment of Women at work place- Prevention and remedial cell is formed as per AICTE norms to launch internal complaints

Guest Lecture Effect of lifestyle on woman's physical and psychological health and its

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 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 National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	01	1,04,155.00
Financial support from government	975	6,89,27,149.00
Financial support from other sources	1215	1,32,00,912.00
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

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 sustain gifted individuals of significant potential.

6.2 Does the Institution has a management Information System

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.

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

6.3.4 Research and Development

- 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 08 projects are granted by various funding agencies(DST/BCUD/AICTE/)
- 94research 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. Procurement of Identity Card printer
2. Book bank schemes
3. Online delivery of pdf articles to students and staff
4. Journal content page to staff
5. Purchase of book other than syllabus
6. Online webinars, NPTEL videos
7. Online full text databases science direct, ASME,IEEE

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. Memorandum of Understanding with various companies(MOU)-05+1
2. Conduction of Seminars/Expert lectures/Guest Lectures-17+04
3. Project sponsorship for BE students-59+19
4. Internship for TE and BE students -29+77
5. Industrial visits-05+02

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	<ul style="list-style-type: none"> • Group Insurance • Provident Fund and Gratuity • On campus availability of Doctor • Training Programs, • Maternity Leaves,
Non teaching	
Students	<ul style="list-style-type: none"> • 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

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

1. Alumni meet is arranged at college.
2. Formation of EDC student group having 40 student members.
3. EDC website Launch.
4. Prashantpansare, Founder Playerify , conducted a session with EDC students team on “How a Startup may fail”.
5. Talk by UnmilKaradkar, Assistant professor at University of Texas Austin on “ Emerging Research Trends in Engineering”

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

Training on Basic Electronics and measuring equipments
Workshop for technology up gradation
Session on Healthy life: Stress managements and meditation

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.
8. e-waste management.

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.

- Introduction of professional bodies to students by starting CSI Student Chapter.
- MOOCs certification courses by NPTEL.
- Knowledge gain and skill development for student and staff.
- Organizing an Innovation, Employ ability skills enhancement and career building course.
- Successful MIS implementation.
- Online Course outcome and programme outcome attainment calculation software is developed

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

- Successful NBA committee visit and received 3 years accreditation
- College sponsors students and faculty for carrying out projects paper presentation in conference seminars patents writing and filing.
- Publication of news letter in all the departments in digital form.
- Conducted activities socio Hackathon, Developed few projects for solving social problems.

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

- Mentorship Programme.
- Well planned Anti ragging squad.
- Induction Programme for First year students.
- Organising national level event Impetus & Concepts for final project *competition* with sub events robotics, paper presentation, technical quiz.
- Organizing various events in association with professional societies(IEEE,ACM,IET,CSI) student chapters
- Online feedback system
- Industry interaction through MOUs and industry visits.
- Installation of CCTVs in the laboratories and passages for security

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
- Instead of bouquet offering sapling to guests
- To save paper during practical exams programs are kept in digital form instead of taking prints.
- Installation of solar panels in hostels.
- Photographs / newsletters are digitally stored instead of paper albums
- E-waste management drive.
- To aware and motivate people for saving energy, One hour all the electric and electronic appliances were kept off.

7.5 Whether environmental audit was conducted? Yes No

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

Strength

- Rank -8 among private Engineering institution in India by EDU-RAND
- NAAC accredited Institution
- ISO 9001:2008 certified
- Accredited by NBA-AICTE in **2012** for **3** years
- Qualified, committed and experienced faculty.
- Harmony in the staff.
- Qualified Non-teaching staff.
- Availability of departmental library.
- Online feedback system
- Good faculty retention ratio

Weakness

- Lack in Consultancy Projects
- No IPR
- Very few publication in Scopus indexed journals .

Opportunities

- Strengthen the Industry-Institute Interaction through signing MoU's, with various Industries from different field for the better placement of students.
- International tie ups.
- Inculcate group research culture among staff.
- To become autonomous institute and act as role model for engineering fraternity

Challenges

- To enhance interdisciplinary research
- To achieve a zero backlog

8. Plans of institution for next year

- To become a autonomous institute
- Encourage staff and students to file patents
- To mentor on student soft-skill development, societal responsibility and positive attitude
- Motivate faculty for E-content development.

Name _____

Name _____

Signature of the Coordinator, IQAC
IQAC

Signature of the Chairperson,

Annexure I

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
