Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SCTR'S PUNE INSTITUTE OF COMPUTER TECHNOLOGY**
Name of the head of the Institution	**Dr. R. S. Sreemathy**
Designation	**Principal(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02024371101**
Mobile no.	**9225675029**
Registered Email	**principal@pict.edu**
Alternate Email	**principal.ic@pict.edu**
Address	**Survey No.27, Near Trimurthi Chowk, off Pune Satara road, Dhankawdi**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**411043**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Prof.R. G. Yelalwar**
Phone no/Alternate Phone no.	**02024371101**
Mobile no.	**9890912278**
Registered Email	**rgyelalwar@pict.edu**
Alternate Email	**ryelalwar@rediffmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://pict.edu/wp-content/uploads/2017/05/AQAR-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://pict.edu/wp-content/uploads/2019/10/Calendar-of-Events_2019-20_Sem-II.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**80**	**2004**	**16-Feb-2004**	**05-Feb-2009**
2	**B**	**2.88**	**2010**	**04-Sep-2010**	**03-Sep-2015**
3	**B+**	**2.71**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC

28-Aug-2016

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Revision of AAA audit format and AAA audit for AY 2018-19	27-Oct-2020 03	100
Conducted IQAC meeting	20-Jun-2020 1	20
Conducted External ISO Audit	27-Feb-2020 2	100
Conducted webinars on Internal Quality Assurance in HEI, BY-Dr. Kurian Joseph, IQAC Director, Anna University	01-Jun-2020 1	160
Continual improvement through OBE based Teaching Learning	01-Jun-2020 1	167
Key quality indicators are prepared and circulated among all departments	20-Jun-2020 1	152
Core domain group are formed to initiate industry project/consultancy	20-Jun-2020 1	95
National e-conference on Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)	11-Jun-2020 2	100
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.Y.Ravinder(E&TC)	AICTE STTP	AICTE	2020 365	380000
Dr.R.C.Jaiswal(E&TC)	Modernisation & Removal Of Obsolescence Of Wireless Networ	AICTE MODROB	2019 1095	1561000
Dr. M.V. Munot(E&TC)	AICTE, SPDP-Skill and Development Program Center (SPDP) for SC/ST students	AICTE	2017 1095	1278000

Dr.R.Sreemathy	Research grant	R.G.S.T.C	2017 1095	2011145
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Conduction of Seminar/Workshop/FDP Rigorous conduct of Academic Audit Conduction of national conference Industrial visits Participation in NIRF Improvement in Internship, IPR, Innovation projects Arranged Webinars for Quality improvements

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To continue the present uniform OBE based teaching and learning activities.	All department followed the uniform Outcome based education(OBE) teaching learning process strictly
To organize the Seminar/workshops on current technologies	More than 10 seminars and workshops on current technologies have been organized by all departments
To organize an International / National conference on recent technology	Organized National e-conference on "Emerging Trends in Artificial Intelligence and Big Data (ETAB-2020)"
To start certificate courses on cutting edge technologies for industry persons at PICT campus	Preparation of course commencement was done but due to COVID 19 situation course could not started during AY 2019-20
To improve funded projects and	Core domain groups are formed in all

consultancy	department to fetch consultancy and funded projects
To conduct AAA audit for AY 2019-20	Internal AAA audit for AY 2019-20 is conducted
To promote research, IPR and product development	13 Patents/Copyright are filed during this AY
To improve the international tie-ups and Collaborations	Institute has active IR cell looking after international tie ups and collaboration and MOU is done with IJBC
To strengthen institute industry interaction	Internship cell has done Number of MOUs with Companies to improve the internship. Industry institute interaction committee also has done MOUs with industry to increase the interaction with industries. Around 12 MOUs are done during AY 2019-20
To prepare and submit AQAR report for AY 2019-20	AQAR report for AY 2019-2020 uploaded
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
IQAC	**31-Mar-2021**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**30-Jan-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**P.I.C.T M.I.S system is focused on providing the utilities useful to students, teachers, administrators and parents. This has features facilitating –Attendance system, Assessment process, Admission module, Account (Salary and Income tax computation), Leave management, Placement module, Purchase system. This has also Parent portal, which updates the ward's progress**

regularly. It has feature form for Parent teacher interaction. MIS modules which are operational are as Access Management Module, Year Shifting User Management, Student Admission, Fees Management, Student Attendance, Unit Test Portal, Practical and Tutorial Assessment, Academic Management, Staff Leave Management, Certificates Document Flow HRMS Payroll Management, News Circular Admin Activities, Parent Portal, Register Your Grievance etc.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Institute is affiliated with Savitribai Phule Pune University (SPPU) 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 and to meet the dynamic industry requirements, so as to impart better and relevant education to the students to meet the future challenges. This has helped in the enhanced learning amongst the students. The faculty of all departments are actively participating in curriculum restructuring, revision, syllabus development, Board of Studies, Board of examination, worked as a resource person in faculty development or curriculum development workshops. Every department forms Subject groups for the Academic year. The Faculty also identify gaps in the curriculum, based on the feedback received from various stakeholders and try to bridge the gap by conducting expert lecture/ workshop/seminars and covering the contents beyond the syllabus. The entire faculty are expected to prepare the course file which contains: Vision and Mission statement of the Department and Institute, Calendar of events, Time Table, Syllabus, teaching plan, course contents (PPTs, notes, videos etc), assignments, mini projects, question bank, MCQs, feedback and corrective measures, etc. The periodic academic audit is conducted to monitor and improve the curriculum delivery and the overall quality of education. The Faculty of the same course together define Course Objectives, Course Outcomes and mapping with Program Outcomes for the courses and present it in front of the departmental program assessment committee. Committee suggests essential changes. The Faculty define target attainment level based on the last three years attainment values and chalk out a plan to achieve it. The Faculty members also calculate Course Outcome attainment by considering the internal and external assessments of every student. In internal assessment attainment, unit tests, presentations, case studies, class tutorials, home tutorials, are considered. External assessment attainment is done on the basis of University Examination results. By considering all the CO attainment values, attainment of Programme Outcome is calculated.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Software Testing	00	11/08/2019	8	YES	YES

Object Oriented Programming with JAVA	00	17/02/2020	45	YES	YES
Microprocessors and 64 bit Assembly language programming	00	09/02/2020	30	YES	YES
Joy of Python programming	00	24/08/2019	90	YES	YES
Red-hat OS Administration	00	02/09/2019	10	YES	YES
Data structure using C by Department Faculty	00	31/07/2019	35	YES	YES
Soft skills- GD PI	00	31/08/2019	45	YES	YES
Logic Building	00	23/07/2019	15	YES	YES

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Machine Learnin,Distributed Systeg, Wireless sensor Network, Embedded Real time Operating system ,	17/06/2019
ME	Fiber Optic communication, Cognitive Radio, Disaster Management,Data Mining Web Mining Pattern Recognition,Machine and deep learning Advanced web programming, Computer vision and video processing	15/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	319	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Training on Aptitude	20/07/2019	30
Language Training and Personality Development	08/07/2019	35
Effective use of ICT tools on efficient online Teaching	19/05/2020	200
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Internship and Sponsored projects	240
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The college has an effective continual and active feedback system. The regular feedback is obtained from various stakeholders like: Students, Teachers, Employers, Alumni, and Parents. The feedback is critically analyzed for inclusion of changes and improvements in Academics, Administration and Infrastructure methodology like the inclusion of topics beyond the syllabus, delivery of content through Industry person, Lab set up, purchasing state of art equipment for project work, organizing an industrial visit for better understanding of topic etc. On the basis of feedback received, the action plan is prepared and the corrective measures are taken, promptly. Most importantly feedback from parents is taken on a regular basis, through parent's meet. Alumni feedback is collected every year during alumni meet. The Institute has a Students' Council (includes students representative) which is another source of feedback for the Institute authorities. Feedback is also collected through mail and suggestion boxes. The employer's feedback has been very positive so far.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Electronics & Telecommunication Engineering	18	Nill	5
ME	Information Technology	18	Nill	Nill
ME	Computer Engineering-2nd Shift	24	Nill	2
ME	Computer Engineering	25	Nill	11
BE	Electronics & Telecommunication Engineering-2nd Shift	60	Nill	60
BE	Electronics & Telecommunication Engineering	180	Nill	206
BE	Information Technology	180	Nill	216
BE	Computer Engineering-2nd Shift	60	Nill	60
BE	Computer Engineering	180	Nill	234
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3187	56	137	14	41

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
151	151	11	30	3	10
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Student mentoring system is available in the institution. A mentor (Teacher Guardian) is appointed for a batch of 15 to 20 students and periodic student-mentor interaction takes place twice in a semester. Special efforts are taken for mentoring students in the mentoring session by the mentor. Topics like engineering career, placement opportunities, study planning, career development, professional practices and personality development are discussed with students during mentoring sessions. Students are motivated and are psychologically prepared to face professional and social challenges. The mentor addresses all the issues and with the help of the head of the department obtains the solutions for different issues raised during the discussion.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3243	151	1:21

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
143	151	Nill	11	34

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Geetanjali Kale	Assistant Professor	ACM India – Member of internal engagement committee
2019	Dr. Geetanjali Kale	Assistant Professor	VC nominated- Computer Engineering BoS Member SPPU
2019	Dr. Geetanjali Kale	Assistant Professor	BoS Member SPPU Vocational Courses
2019	Dr. Rajesh Ingle	Professor	Dr. Rajesh Ingle awarded "2019 R10 Outstanding Volunteer Award" in recognition of outstanding contribution and services to IEEE Pune Section and IEEE Region 10
2019	Dr.G.V.Bansod	Associate Professor	DST young Scientist Travel Grant to travel Spain for presenting Paper in Conference ,IEEE IOT :System mageent and Security 22-25 oct 2019
2020	Dr.G.S.Mundada	Professor	Member -Invitee

			to Research and Development Committee (RDC) of The Institution of Engineers (India) for year 19-20, Date: Jan 2020

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
ME	CE,ETC,IT	SEM II	19/10/2020	10/11/2020
ME	CE,ETC,IT	SEM I	03/01/2020	21/02/2020
BE	CE,ETC,IT	SEM I	27/01/2020	25/02/2020
BE	CE,ETC,IT	SEM II	25/09/2020	11/11/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal evaluation is done by unit tests, tutorials and prelims examinations for theory courses. Mock practical examinations are conducted once at the end of the semester to evaluate student's performance in practical. At the commencement of the Semester Unit test committee decides the schedule for the conduction of two unit tests. The unit test is conducted at the same time for all classes on a similar portion. The course coordinator in coordination with other course teachers set the unit test paper. The assessment is done by respective teachers. The course outcome attainment of the internal assessment will be calculated based on the results of the unit test. The student who was absent or failed in exams, they have to resubmit the paper in the form of an assignment. As per the academic calendar, all the course coordinators prepare schedule for Laboratory assignments and mock practical exams. During the continuous assessment, the teacher assesses students on the basis of regularity, punctuality, conceptual knowledge, programming skills (way of execution), oral journal writing skills for each assignment. Institute level uniform process is defined for term work calculation. Two reviews every semester are conducted by domain expert committee members for BE projects and Logbooks are maintained for projects seminars for Continuous evaluations.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

At the beginning of every new academic year, the academic calendar is prepared for the institute in line with SPPU academic calendar. Based on Semester commencement/conclusion, University examinations and holidays, the various Co-Curricular, extracurricular events are planned in the institutes academic calendar. All the functional heads propose their budget, action plan to the Principal. For the smooth conduction of all activities before the commencement of the semester purchasing of equipment as per requirements happens. All the departments frame the schedule of the academic activities such as Unit tests, mock online tests, project/seminar activities, workshop/seminar/guest lectures, remedial classes, in the academic calendar. The students are also informed in

advance about the curriculum and academic calendar. After the conclusion of the semester, a compliance report is generated for the academic calendar and necessary actions are initiated.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://pict.edu/department/computer-engineering/,https://pict.edu/department/electronics-and-telecommunication/,https://pict.edu/department/information-technology/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CE	BE	Computer Engineering	318	318	100
IT	BE	Information Technology	148	146	99
E&TC	BE	Electronics & Telecommunication Engineering	278	278	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://pict.edu/department/computer-engineering/, https://pict.edu/department/electronics-and-telecommunication/, https://pict.edu/department/information-technology/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	Research Grant, R.G.S.T.C.	2011145	0
Major Projects	730	AICTE, MODROB	1561000	0
Any Other (Specify)	365	Big O Data US	40000	40000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Nil	Nil	

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
3rd runner up in Singapore India International Hackathon	Shoaib Ahmed and Shubham Korde	IIT Madras.	30/09/2019	International
International Hack the North Canadas biggest Hackathon	Panse Neeraj Shubhendra	University of Waterloo	15/09/2019	International
Publication in IEEE ICAC'3 International Conference	Chaitanya Rahalkar	IEEE ICAC	21/12/2019	International
Won the special mention award in Manipal Hackathon 2019	Akhil Shaji,Devaki Kulkarni,Shweta Patil,Ruchika Pande	Manipal Hackathon 2019	12/10/2019	National
Won the special mention award in Manipal Hackathon 2019	Ashish Surve, Varad Gorhe, Kushagra Bhagurkar, Aarti Andhale, Shwetali Shimangaud	Manipal Hackathon 2019	12/10/2019	National
Won First Runner-up in UST Global Hackathon d3code – India's Largest Hackathon for College University Students	PICT team Sairaj Sawant, Shadab Shaikh, Suraj Tamgale, Prashant Dalvi	UST Global Hackathon	02/12/2019	National
Participated and was Finalist in competition ICPC KHARAGPUR , INDIA	Shahrukh Ozair	ICPC KHARAGPUR	08/12/2019	National
Singapore-India Ingternational Hackathon 2019	Chaitanya Bankanhal, Shubham Mapra, Snehal Chaudhari	National Payments Corporation Of India (NPCI) National	30/09/2019	National

| Smart India Hackathon 2019, Problem statement- Aggregation of Financial Channels | Shivam Balikondwar | AICTE and Union Ministery of water resource India New Delhi | 03/03/2019 | National |
| ACM ICPC Amritapuri Regional - Rank 169 ACM ICPC Kanpur Regional - Rank 64 | Akash Patil | ACM | 13/12/2019 | Regional |

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	Mr.Yogesh Karpate	Pune Institute of Computer Technology	Xstats	Private	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	2

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Computer Engineering	1
ETC engineering	Nill

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	IT	9	3
National	IT	Nill	0
International	Computer Engineering	22	4
National	Computer Engineering	Nill	0
International	ETC	25	4
National	ETC	1	0
International	FE	7	3
National	FE	Nill	0

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
FE	3
ETC	5
CE	7
IT	11

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Security and Privacy of Data in Cloud Computing	Dr. Amar Buchade, Dr. Rajesh Ingle	(IJRTE) International Journal of Recent Technology and Engineering (IJRTE)	2019	0	PICT	Nill
Non communicable Disease prediction system using machine learning	Dr. Amar Buchade	International journal of scientific and technology research	2019	0	PICT	Nill
Time Series Segmentation Using Two-Stage Clustering Approach	Dr. Amar Buchade	International journal of scientific and technology research	2019	0	PICT	Nill
Influence of Language Specific Features for Author Identification on Indian Literature in Marathi	Dr. S. D. Kale	Advances Intelligent Systems and Computing	2019	0	PICT	Nill
A Survey On	N. J. Bhalani,	International	2019	0	PICT	Nill

Software Defined Network With 5G	M. S. Chavan	Journal of Scientific and Technology Research(IJSTR)				
Emotion recognition of Twitter posts in real-time: A Survey	Dr. A. R. Deshpande, R.S. Paswan	International Journal of Scientific Technology Research (IJSTR)	2019	0	PICT	Nill
An analytical study y on prediction of heart failure through machine learning	Shreya Yadav M. S. Takalikar	Shreya Yadav M. S. Takalikar	2019	0	PICT	Nill
Survey on Analysis of Security Threats in DNP3 Protocol	Dr. A. R. Buchade	International Journal of Scientific Technology Research (Scopus indexed journal)	2019	0	PICT	Nill
Design and implementation of various data path architectures for the ANU lightweight cipher on an FPGA	Gaurav Bansod	FITEE, SPRINGER JOURNAL	2019	0	PICT	Nill
Design and Implementation of novel data path designs of light weight cipher RECTANGLE for resource constrained environmen	Gaurav Bansod	Multimedia tools and applications	2019	0	PICT	1

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)						
Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Development of Tactile Display and an Efficient Approach to Enhance Perceptual Analysis in Rehabilitation	Vaibhav Vaijapurkar Y Ravinder	Advances in Science, Technology and Engineering Systems Journal	2019	4	Nill	PICT
Automatic Gate Monitoring System	Rupesh Jaiswal	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	6	Nill	PICT
Cascade TabNet: An Approach for End to End Table Detection and Structure Recognition FromImage-Based Documents	kavita Sultanpure	The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)	2020	2	Nill	PICT
A Smart App for Pothole Detection Using Yolo Model	Radhika Kulkarni	Springer International Conference on Information and Communication Technology for Sustainable Development (ICT4SD 2020)	2020	1	Nill	PICT
Design	R.	ADBU	2019	4	Nill	PICT

and Develo pment of Patch Text ile- Antenna	Sreemathy	Journal of Engineerin g Technolo gy(AJET)				
Intellig ent companion for Blind : Smart Stick	Mousami Munot	IJITEE	2019	5	Nill	PICT
Design and Implem entation of novel data path designs of lightweigh t cipher RECTANGLE for resource c onstrained environmen t	Gaurav Bansod	Multimedia tools and applicatio ns	2019	8	Nill	PICT
Gradient Descent based SVM for Sentiment classifica tion	Jayashree Jagdale	2nd Inte rnational Conference on Advances in Computing Informatio n Technology (IACIT - 2020) - Virtual Co nference, Test Engin eering and Management Journal	2020	1	Nill	PICT
Virtual Machine Migration in Cloud Computing using Artificial Intelligen ce	Kavita Sultanpure	Internat ional Journal of Recent Technology and Engine ering	2019	2	Nill	PICT
Optimiza tion driven act or-critic	M Emmanuel	Vine Journal of Informatio n and	2019	4	Nill	PICT

neural network for sentiment analysis in social media	Knowledge Management Systems				

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	161	61	14
Presented papers	10	1	Nill	Nill
Resource persons	1	2	3	7

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood donation	NSS	2	150
Tree plantation	NSS	2	35
Maleria Awareness	NSS	2	25
Swachh Bharat	NSS	2	200
Industrial Visit	IBM Data Center,Hinjewadi, Pune	1	59
Industrial Visit	CDAC-NPSF(National PARAM Supercomputing Facility),Pune	1	58

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
PICT ACM Student Chapter Activities	ACM India Best Student Chapter Award	ACM India	470
PICT IEEE Student Branch activities	Outstanding Student Branch Award	IEEE Pune Section	369
Pratik Ratadiya: Research fellow	IIST Summer internship	IIST (ISRO)	1

Smart India Hackathon 2019 (Software Edition)	SIH 2019, Prize Money- Rs. 75,000/-	Ministry- Thermo Fisher	4
Smart India Hackathon 2019 (Software Edition)	SIH 2019, Prize Money- Rs. 75,000/-	Ministry- deAsra	4
Smart India Hackathon 2019 (Software Edition)	SIH 2019, Prize Money- Rs. 75,000/-	Ministry- NCORD	4
Smart India HackaGlobal International Better Health Hackathonthon 2019 (Software Edition)	Prize Money- 10,000 $	Global International Better Health Hackathon by HCL Technologies in collaboration with Microsoft	4
Smart India HSmart India Hackathon 2020ackathon 2019 (Software Edition)	SIH 2020, Prize Money- 1 Lakh	Ministry- HealthRx (Bajaj Finserv Health Limited)	2
International Hackathon	Singapore-India Ingternational Hackathon 2019, prize money $4,000	Madras by AICTE, India and NTUtive Singapore	2
National Hackathon	National Payments Corporation Of India (NPCI) National Hackathon, Prize money 2 Lakh	NPCI	3
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	PICT,Pune	Blood donation	2	150
NSS	PICT,Pune	Tree plantation	2	35
NSS	PICT,Pune	Maleria Awareness	2	25
NSS	PICT,Pune	Swachh Bharat	2	200
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	00
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Industry for Internship	NTT DATA, Japan	15/06/2019	30/06/2020	2
BE Project Sponcership	On job training	Centiro Solutions Private Limited	15/06/2019	30/06/2020	2
ME Internship Dissertion project	Internship	SAS Pvt. ltd.	01/07/2019	30/06/2020	1
Developing software testing and Quality Assurance lab	Quality assurance awareness session	BMC software	22/07/2019	19/09/2019	1
Courses under this program will create good placement op portunities for students.	Certificate course	Red Hat Academy	02/09/2019	31/10/2019	4

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Red Hat Academy	16/07/2019	Courses under this program will create good placement opportunities for students.	10
BMC software	05/03/2019	Developing software testing and Quality Assurance lab	91
SAS Pvt. ltd.	Nill	ME Internship Dissertion project	22

CPR	10/10/2019	SE TE Internship	2
NTT Data	Nill	Projects ,internship, consultancy	4
Dassault Systems	Nill	Webinars	1
National Crime Record Bureau, New Delhi - Ministry of Home Affairs	30/09/2019	Project on Tracking Missing Child and Wanted Criminals	5
Secure Things	19/07/2019	1. Final year Project on Automotive Security 2. Establishment of automotive test bench at PICT	2
IJBC	15/02/2019	1. Shimbi Lab Internship(3)months 2. :Japan Educational Tour 3. :PICT branding In Konnichiwa Pune	36
Centiro Solutions Private Limited	01/05/2019	BE Project Sponcership	2

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
363.42	336.88

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Partially	18.05	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	21424	6222271	102	44305	21526	6266576
Reference Books	14220	3356562	35	5726	14255	3362288
e-Books	594	149358	2768	184950	3362	334308
e-Journals	605	932443	226	1135998	831	2068441
Digital Database	4235	Nill	246	Nill	4481	Nill
CD & Video	14037	81574	1401	Nill	15438	81574
Journals	40	41422	34	48671	74	90093
Weeding (hard & soft)	Nill	75000	Nill	Nill	Nill	75000
Others(specify)	1589	107310	684	51779	2273	159089

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
0	0	0	Nill

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1161	35	205	35	1	1	4	205	0
Added	18	0	95	0	1	0	0	95	0
Total	1179	35	300	35	2	1	4	300	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Recording room with all facility like	

i) Interactive Display ii) Smart LCD Display 62'' iii)DVR iv) Document Camera v) PTZ Video Conference Camera vi) Multichannel Audio/MIC Mixer vii) Distribution Amplifiers	https://drive.google.com/drive/folders/1azBbzOJ_vCf3toPrSYA360B4gv_r4S1-?usp=sharing,https://pict.edu/ce-e-learning-portal/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
4.65	5.29	15	38.91

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Pune Institute of Computer Technology has well framed procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. There are various sub committees like Maintenance, Sports, Library, Network Administration, Estate Management, and Website Management. The Maintenance subcommittee takes care of maintenance and repair of electrical, mechanical, telephone, lift, online UPS, water purifiers, etc. Within two days of receipt of online complaints, the Maintenance committee will attend the work and fix the problem. It will also take care of repair and maintenance of computers, printers, LCD projectors, etc. In each laboratory the DSR and history cards are maintained to keep track of the equipments. There is a policy made for removal of obsolescence and moderation of laboratories. There is a subcommittee for discarding the equipments and materials which are not repairable and / or obsolete. The Network Administration takes care of providing proper bandwidth to all users through landline and wireless connectivity. It also ensures network security. The Library Committee ensures that the users get all the required books journals etc. To carry out the routine academic activities sand also to cater the research requirement. The Estate Management takes care of cleanliness of the overall campus. There is a proper procedure laid down for procurement of equipments as per the budget provision. The Sports Director takes care of the sports facilities to ensure that the students and the staff get sufficient sports facilities. The students are also provided with professional coaching in cricket, volley ball, basketball, badminton, gymnasium, yoga etc.

https://pict.edu/wp-content/uploads/2020/02/Maintenance-Policy.pdf?x88846

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee Waiver Scheme	1	92000
Financial Support from Other Sources			
a) National	Post-Matric Scholarship	1212	77533858

b)International	00	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Corporate Manners Etiquettes, Leadership, Time Management	02/09/2019	300	Subject Coordinator:- Prof. Preeti Jain e-mail id: pajain@pict.edu ph. ext: 234
Training on Aptitude	22/07/2019	20	Mr. Sourabh Sharma and team members, The Potter's Earth Edu Services Pvt. Ltd
Language Training and Personality Development	08/07/2019	30	Mr. Sourabh Sharma and team members ,The Potter's Earth Edu Services Pvt. Ltd
	View File		

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Basics of Linux and Red Hat Cert ifications	Nill	225	Nill	Nill
2019	Self learning and discussion in group on various topics / case studies of ISEE subject at Reading Hall.	Nill	70	Nill	Nill
2019	Japanese Module I	Nill	35	Nill	Nill
2019	German Module II	Nill	77	Nill	Nill
2019	Effective Leadership	Nill	135	Nill	Nill

2020	Interview preparation	Nill	120	Nill	Nill
2020	Start up and Covid-19 Impact	Nill	120	Nill	Nill

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
119	659	554	04	5	5

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	33	BE	IT,CS,ETC	University of Southern California, USA- New York University: Tandon, USA, Dublin city University, UK, IIM Calcutta, India, Illinious Tech, USA, Ohio State University, USA, Indian Institute of Technology Delhi, Inter national Institute of Information	MS, MBA, M.Tech

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	9
GRE	29
TOFEL	9
Civil Services	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
FE Induction Sclpture Making, Dance, Paper Craft and 3d painting, Canvas Painting, Debate session	Institute	500
Carrier Guidance in Creative Arts by Nikita Thube PICT Art Circle Alumni(NSD)	Institute	30
Fresher's Meet	Institute	250
Anveshan 2020	Institute	160
Addiction'20	Institute	467
Elevate PICT	Inter collegiate students Corporate Sports: Basketball, Volleyball, Cricket	845
Cricket 7 a side	Intra College	420
Football 5 a side	Intra College	180
Volleyball	Intra College	138
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Winner in Zest COEP Pune 2020	National	1	Nill	E2K17102 960, C2K16 105355	Priyanka Tamhankar, Praticha Damale
2020	Runner up in Zest COEP Pune 2020	National	1	Nill	C2K17105 529, C2K17 105570, C2 K17105584	Ajit Hande, Pratik Ghodake, Gautam Godbole
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of

the institution (maximum 500 words)

The Student Welfare committee represents the students from all departments, all years and diversified portfolios like sports, Extra Curricular activities, Professional societies. SWC is focused on proactive involvement of students in the various academic, administrative and disciplinary activities on campus. The University is also a training ground for students to develop skills of good governance. Student Council elections are organized to help them practice these skills and learn the skill of representation. As per the Maharashtra Universities Act, (M.U.A.) 1994 section 40. Students' Council is established every year during the first term. As per the BSD SPPU Circular, the name of the said student is then to be communicated to the Director, Board of Students' Development immediately on the date specified. Along with the Student Representative Body of student Members is formed to discuss various academic, Non Academic issues with the Managing Trustee. The meeting of the Student council in the presence of Principal, SWO conducted twice every year. Students representation is also given in college development committee (CDC), Internal quality assurance cell (IQAC) to discuss student's issues.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

PICT Alumni Association (PAA) has made great progress in its mission to foster a meaningful, everlasting relationship between alumni and Almamater. The Alumni committee aims to strengthen ties between PICT and the alumni. Official alumni portal "http://alumni.pict.edu" is active and 6300 alumni are connected to it. PICT webpage on Linkedin has more than 25,000 followers. PICT Alumni Association handle is active on Linkedin and Facebook. Registration Number: - MAH 1469/2009/Pune Dated: - 23 / 11/ 2009. Details are on following links. Alumni Portal : https://alumni.pict.edu/ LinkedIn page: https://www.linkedin.com/school/pune-institute-of-computer-technology/ Linkedin account: https://www.linkedin.com/in/pict-alumni-association-paa-b6644618b/?originalSubdomainin Facebook Page: https://www.facebook.com/groups/356804227200/

5.4.2 – No. of enrolled Alumni:

8827

5.4.3 – Alumni contribution during the year (in Rupees) :

127876

5.4.4 – Meetings/activities organized by Alumni Association :

1. IT department Alumni meet - 28/09/2019 2. Silver jubilee of 1994 batch and - 04/01/2020 Reunion of batch 87 to 93 3.Webinar conducted - 05

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Institute is ISO certified five times NBA Accredited and Thrice NAAC Accredited. Institute has well defined process documented under ISO. As per the NAAC, NBA and LIC committees requirement, various processes are identified and Functional heads are appointed for every process. Each function head is preparing action plan before semester start and present the status of action monthly to Head of the Institute.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The institute follows the curriculum provided by the SPPU. The institute also motivate the faculty to identity bridge the gaps in curriculum to attain Program Outcomes and achieve institute Short term, Long term goals. The institute encourages and provides facilities for every faculty to actively participate in the syllabus preparation/discussion, meetings conducted by Board of Studies (BoS) at SPPU level. The institute has promoted effective industry-institute interaction to identify current industry requirement and tried to fullfill by conducting certificate courses or training programs.
Teaching and Learning	All the Departments of the Institute prepare the academic calendar in tune with the Institute academic calendar. The faculty members prepare their teaching plan based on the feedback from stakeholders. The Institute has well defined process for identification of slow learners and bright students. Faculty takes efforts to empower them to perform better, by means of various activities. The Head of the Department monitor the effective implementation of teaching plan and adherence to academic calendar. The innovative teaching methodologies are used for conceptual understanding. Each department conducts the academic audit before the commencement of the semester to verify the preparation of the faculty and lab infrastructure.
Examination and Evaluation	External examinations are conducted as per SPPU guidelines. Evaluation schemes is In-Semester exams of 30 marks and End-semester exam of 70 marks is introduced for TE, BE. In semester assessment is carried out with two unit test based on 2 units each for Theory and 2 - Mock practical exam for Practicals. Question paper for unit tests are set to test essential abilities of students such as analysis, synthesis, interpretation, design, etc.

	based on Blooms' Taxonomy rather than conventional memory recall based questions. Class/Home assignments for all courses are also planned.
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. 24X7 Research Centre facility is provided for faculties students to do their research work. Under Research centre few In-house research projects are started at institute level, domain wise core groups are formed. Faculties are motivated for industry sponsored project / product development / consultancy projects.
Library, ICT and Physical Infrastructure / Instrumentation	Library committee is formed which has representative members from each department as well as external member. The committee insures requirement of books, magazines and Journals including online subscriptions is fulfilled. Library provides additional facilities of Online delivery of pdf articles to students and staff , Journal content page to staff , Purchase of book other than syllabus , Online webinars, NPTEL videos , Online full text databases science direct, ASM,IEEE
Human Resource Management	1.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. 2.The orientation program and faculty development programmes are conducted periodically to improve the quality of the staff. 3.The staff members are encouraged to conduct/attend FDPs/ Short term courses/workshops/Seminars/Conferences etc. to update their skills and knowledge. 4.Thrust is also given on qualification improvement (in addition to quality) by deputing the staff members for higher studies. 5.Many benefits are given to the staff to retain the gifted individual (like Study Leave, Sabbatical Leave, Vacation, Medical leave, Maternity Leave (Female Staff), Group insurance, Advance against salary, Gratuity, P.F., Revised pay scales, timely salary/increments/D.A. ,) 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.
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) 2. Conduction of Seminars/Expert lectures/Guest Lectures 3. Project sponsorship for BE students 4. Internship for TE and BE students 5. Industrial visits
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.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Yes, All planning and development compliance are fulfilled as per the requirement of the apex bodies
Administration	Yes, the institute adopted an MIS module where every faculty has got a login to update student

	attendance,assignment and continuous assessment record. Attendance and unit test mark of individual students can be monitored by faculties and parents
Finance and Accounts	Yes, Salary and Incom tax computation is done through MIS system
Student Admission and Support	Yes, All UG PG admission procedure is followed as per AICTE, DTE norms through DTE online portal
Examination	Yes, SPPU Pune university used to schedule two online examination in each semester for SE students which are conducted at the institute through the online portal. Also all examination question papers are sent by the SPPU Pune through secure mail a few minutes before the scheduled examination time. Due to COVID-19 all second-semester examinations of SE, TE, and BE were conducted online.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Kalyani C. Waghmare	International Conference on Imaging, Signal Processing and Communication	Nil	50000
2019	Kavita Sultanpure	2nd International Conference IEEE PuneCon 2019 on Innovative Technology For Humanity	MIT COE	2000
2019	Kirti Nandedkar	NBA accreditation -OBE	DEPS Dhole Patil College of Engineering	1000
2019	Dr. G. V. Bansod	DST Young Scientist, IEEE IOTSMS 2019, Granada, Spain	IEEE	112000
2019	Ms. Manjeeta Kale	IEEE Gujarat Section	IEEE	20500
2019	Mr. Zakee Ahmed	Two Days Workshop at Indian Institute of Technology,	IITB	2000

				Bombay		

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Microsoft Teams Training	Microsoft Teams Training	18/04/2020	18/04/2020	48	15
2020	Microsoft Teams Administration	Microsoft Teams Administration	25/04/2020	25/04/2020	8	2
2020	Wired and wireless network simulation using NS2	Nil	09/05/2020	10/05/2020	36	Nill
2020	Cyber Security from UNITEC Institute of Technology, New Zealand in association with Edwise-Pune	Nil	15/05/2020	15/05/2020	40	Nill
2020	Cloud Computing for Beginners" by the delegate Mr.AmarKalvikatte , Director of Cloud solutioning , Nutanix, Netherlands,	Nil	22/05/2020	22/05/2020	50	Nill
2020	Computer Game Technology" by the	Nil	01/06/2020	01/06/2020	22	Nill

	delegate ,Dr Gary Ushaw from Newcastle					
2020	One day workshop on Syllabus Implementation of Engineering Graphics	Nil	01/09/2020	01/09/2020	110	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Effective Teaching Learning Methodologies	45	10/06/2019	14/06/2019	5
FDP on Data Science	1	10/06/2019	16/06/2019	7
FDP on Data Science and Machine Learning	12	12/08/2019	18/08/2019	7
'e-Yantra -Lab setup Initiative e-LSI-Introduction to Robotics'	1	02/08/2019	03/08/2019	2
Indian Patents, Copyrights, Innovations and Start ups (CIPCIS-2019)	1	21/12/2019	22/12/2019	2
Two days state level workshop on "Deep Learning using Tensor Flow"	1	17/01/2020	18/01/2020	1
"How to write a high quality technical journal paper" by Dhanukumar Pattanashetti	9	20/04/2020	20/04/2020	1

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	11	Nill	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Advance against salary Group Insurance Provident Fund and Gratuity Admission to ward of staff Permission for Qualification up gradation, Payment of registration fee and permission to attend Workshop/Seminar/Training programs, On campus availability of Doctor Maternity Leaves	Advance against salary Group Insurance Provident Fund and Gratuity Admission to ward of staff Permission for Qualification up gradation, Payment of registration fee and permission to attend Workshop/Seminar/Training programs, On campus availability of Doctor Maternity Leaves	Workshops for personality development skill up gradation Earn learn scheme Scholarships Educational Loan assistance Training placement activities Internship programme Sponsorship for paper publication On campus availability of Doctor Gymkhana Mentoring and counselling

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes. PICT appointed Joshi Sahney, Chartered Accountants as Auditor. They conduct audit twice in one Financial Year. The Audit is carried out to check various Vouchers, Ledgers, Bank Accounts Cash Book, Tuition Fee Reconciliation, Fixed Assets, Investments and Advances etc. Income Expenditure Balance Sheet is thoroughly checked by them.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil

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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Internal auditors
Administrative	No	Nill	Yes	Internal auditors

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parents meet is conducted department wise for all students once in a semester. Parent representatives are working as a member of Department Advisory Board.

Few Parents help in student's overall development by contributing in terms of conducting a seminar on recent technology, Guest lectures, Project guidance and internship etc.

6.5.3 – Development programmes for support staff (at least three)

Organized one day workshop on Printer Repairing and Maintenance on 19/12/2019

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Certificate courses every semester for SE TE students 2. Training courses and eligibility test for SE and TE students to prepare them for placement 3. Participation in NIRF 4. Internal AAA audit

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Revision of AAA audit formats	01/08/2020	01/08/2020	30/08/2020	10
2020	DNVGL ISO audit	01/03/2020	01/03/2020	01/03/2020	60

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
0	Nill	Nill	Nill	Nill

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
•Percentage of the power requirement of the College met by the renewable energy sources: 350 KW Solar energy is generated in the campus •Waste Management: i) Paper waste is recycled through Prasad enterprise. ii) College sends E-Waste to Mahalakshmi E-Recyclers Pvt. Ltd. Kolhapur Energy conservation: i)Non-occupancy sensors are placed in corridors ii)Timers are used for the playground to monitor automatic switching off the Lights • Use of Renewable Energy (Solar energy): 250KW 10KW solar energy is generated in the campus • Water Harvesting: Water harvesting system is implemented in the institute • Efforts for Carbon Neutrality: Faculties are discouraged to bring four-wheeler in the campus • Plantation: NSS team has conducted a tree plantation camp

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	13
Provision for lift	Yes	13
Ramp/Rails	Yes	13
Braille Software/facilities	No	Nill
Rest Rooms	Yes	13
Scribes for examination	Yes	1
Special skill development for differently abled students	No	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	07/07/2019	01	Awareness Program byNSS	Maleria Awareness	25
2020	1	1	05/01/2020	07	Awareness Program byNSS	Awareness about covid	30
2020	1	1	04/05/2020	06	CE Dept.	A salute to Covid Warriors	27
					View File		

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
1.Mandatory Disclosure	05/03/2020	Documents are available on PICT website: www.pict.edu. Timely updates are made whenever required

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Etiquette and Ethics in Publishing	04/04/2020	30/06/2020	40

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Waste Management o Solid waste disposal at PICT (Composting) o College sends E-Waste to Mahalakshmi E-Recyclers Pvt. Ltd. Kolhapur. • Energy conservation o All tube lights are replaced by LED Tubes o Non-occupancy sensors are placed in corridors o Timers are used for the playground to monitor automatic switching off the LED on the ground at night • Use of Renewable Energy (Solar energy) o Hostels are provided with Solar panels to heat bathing water. o Solar panels are mounted on building terrace to generate electricity up to 250 KW 10KW • Water Harvesting o Water from all building terrace is collected and used to recharge groundwater near bore well • Efforts for Carbon Neutrality • Tree Plantation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I Title of the practice: "Start up and Innovation Cell " scheme is for project-based learning and promotes pedagogical innovation and entrepreneurship. Goal:- 1. To encourage student's ideas which are having a great potential to become a good product or a service this should benefit the society. 2. Enhancement of technical and Business skills of the students required for entrepreneurship. The practice:- "Start up and Innovation Cell":- The institute has taken this facility initiative for all the students of the institute. Under this initiative, the call for innovative ideas will be made during each semester and the projects will be shortlisted based on the industrial jury members assessment. The ideas must be relevant to the current scenario and must be deployed to solve societal issues. The institute provides 24 x 7 access to the "Startup and Innovation Cell" and also provides all the resources required to complete the project. The "Startup and Innovation Cell" has strong collaboration with industries, which assist institute to bridge the gap between industry and academia. Context:- Start up and Innovation Cell:- Entrepreneurship is the key to National growth and is the need of the day. Higher educational institutes play an important role in nourishing the skill sets required to become an entrepreneur. With this aim, the institute started this cell and it promotes active engagement of students in entrepreneurship activities. The cell also promotes project based learning through which student understands and implements the real world problem in stipulated time. The cell idea is also to bridge the gap between industry and academics by enabling the students to work on real time industrial problems Evidence of Success:- The "Start-up and Innovation Cell" in its first year only proved to be extremely successful in entrepreneurship development. Our three products are made as per industrial standards and deployed in the institute for testing and verification. All the three products are innovative in nature and are built in consultation with industrial partners. One of the projects was appreciated by Googles developer Group Summit held at J W Marriott, Pune on Sep 2019.Those students are also recognized as "Women Entrepreneur of Maharashtra". One College One App which is built in this cell is deployed at the institute from Dec 2019 and its operational. Low Cost Electronic Door Lock Authentication System is also deployed at Startup and Innovation Cell for authenticated entry into the cell. Problems Faced:- 1. Making students active in entrepreneurship even after completion of degree seems to be difficult, as they are more lured towards lucrative job offers from top MNC's. 2. The students may not be in a position to build commercial product due to financial problems. They must be supported by Venture Capitalists. 3. The student also needs some mentorship to build the right business model. Best Practice II Title of the Practice:- PICT ACM Student Chapter (PASC) Activities: PASC aims to provide a platform to attract gifted individuals to nurture their hobbies and creativity and apply it

to solve real life problems using computing machinery, and also to upskill the technical knowledge and professionalism. Goal:- The Goal of PICT ACM Student Chapter Activies are - • Organise different technical non-technical events for students to nurture their hobbies and creativity. • To provide a platform for networking with eminent personalities from industry as well as academia and alumni. • Provide platform to improve skills such as leadership, teamwork, lifelong learning, critical thinking and cutting-edge technical knowledge. • To provide a platform to solve real life problems through engineering knowledge in order to uplift the society. The Context:- ACM, the worlds largest educational and scientific computing society, delivers resources that advance computing as a science and a profession. The ACM India Council is an effort of ACM, the worlds largest educational and scientific computing society, aimed at increasing the level and visibility of ACM activities across India. The ACM India Council activities, involving both academia and industry in computing, include research and computing education. ACM has its professional and students chapters spread all over India. PASC is helping students to iInvent, design, and develop innovative solutions for real life problems. Explore various technical domains and apply them to multidisciplinary interests from various industrial sectors. Compare the existing state-of-the-art techniques in their domain and uplift the overall technical knowledge and skill level. Illustrate improved leadership, teamwork and lifelong learning. Understand and compare the various career options that are available. Enhance hobbies through creative activities. Identify the social responsibilities and be involved in social activities. Planting-depth projects using appropriate planning tools. Apply ethics, morals and values in professional practices. A vast network of highly dedicated student and professional peers helps to grow together. ACM membership also provide the opportunity to join ACMs Special Interest Groups and target ACM's career and Job center. This provides the unique volunteering opportunities to gain hands-on experience and knowledge of the marketplace. PASC has helped many students improve their technical skills by making them skilled in their domains of interest. The conduction of Special Interest Groups session has made students explore their interests from various fields in technology. Contests like Paskathon and Dataquest have helped students use their knowledge to implement their ideas and techniques for solving real life problems. Students have completed internships and written research papers that have been accepted and published at top international conferences. PASC has also arranged numerous guest lectures and seminars for students who intend to give GRE after their final year of engineering. Sessions on ML, AI and NLP, which are the trending domains in the tech industry have been arranged, in which eminent speakers have put forth their views on the same. The Practice:- PICT (Pune Institute of Computer Technology) ACM Student Chapter (PASC), established in 2012 with vision to be the leading best performing chapter of international repute and, aims to provide a platform to attract gifted individuals to nurture their hobbies and creativity and apply it to solve real life problems using computing machinery. Chapter's membership provides the opportunity to join ACM's Special Interest Groups and target ACM's career and Job center. ACM provides the opportunities to become a member of the computing community through one of the hundreds of Professional and Student chapters worldwide. Unique volunteering opportunities to gain hands-on experience and knowledge of the marketplace. PASC membership provides the opportunity to participate in unique events and conferences organized or sponsored by ACM India like GHCI, ACM CODS COMAD, ACM Compute, ACM India Annual Event, IRISS. PASC has helped many students to improve their technical skills by making them skilled in their domain of interest. On joining PASC, members automatically become the member of Special Interest Group (SIG) of the PASC that helps student to explore their interests from various fields in technology. Our special interest groups are spread over topics like Competitive coding to GRE preparation with core domains as Machine Learning, Cyber Security, Artificial

Intelligence, Natural Language Processing, Photoshop, Web, and Android Development Technologies, that helps to nurture and improve coding as well as algorithmic knowledge of the students. Contests like Pasckathon and Dataquest have helped the students to use their knowledge to implement innovative ideas and techniques for solving real life problems. Students have completed internships and written research papers that have been accepted and published at top international conferences. PASC has also arranged numerous guest lectures, seminars and workshops for the current trends and technologies by eminent personalities of international repute from industries. Strong ACM alumni students network helps the junior chapter members to grow technically and professionally. we always try to orient innovative minds in the right direction for all-round development. PASC is very well known for its flagship event PULZION organized annually, which includes varied technical and non-technical events. Participation from all over India is observed for the same. Along with Pulzion, PASC also organizes PASCKATHON a national level hackathon. PASC-W a special wing of PASC which organizes its event RADIANCE to promote women in technology. PASC believes in repaying to the society, so it takes part in initiatives like Hour of Code, where our members teach school children Computer Fundamentals and preliminary Coding Skills. We here at PASC try our best to not only grow ourselves but grow along with our peers. Pulzion19: The annual flagship fest of PASC, Pulzion was organized on 23, 24, and 25thAugust, 2019. It was a resounding success, with a footfall of over 5000 participants, Pulzion19 attracted students from all over Maharashtra and India. The theme for this year was Sci-Fi.A unique amalgam of 13 events, Pulzion19 catered to a variety of students, giving each of them a platform to showcase their talent. Pasckathon 2.0: Pasckathon 2020 was an open-theme, national hackathon consisting of multiple rounds including the ideation phase and the codingpresentation round. In total, 79 teams from throughout the country participated in the first round and 20 teams were selected for the finalround. With prizes over Rs. 35000, the event was a grand success. Online contests: PASC conducted more than 10 online contests during

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://pict.edu/wp-content/uploads/2017/05/Best-Practice-_19-20-_StartupInnov+ation-cell.pdf?x88846,https://pict.edu/wp-content/uploads/2017/05/Best-Practice_19-20-_PASC.pdf?x88846

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Pune Institute of Computer Technology (PICT) aspires to be a leader in higher technical education and research of international repute. It has carved a niche for itself in higher education for the quality education. It has maintained its position as the most sought after institution in this region of our country. It's the preferred destination for students from India and abroad. It's the institution that strives for excellence in all areas of teaching and research an institution that has been at the forefront of technical education and research activity since its inception. At PICT talent and ambitions come together in a culture that nourishes thinking and encourages every student to reach his or her full potential. PICT is able to hire and retain the talented individual, thus creating a team of dedicated and talented team that support and encourage students to develop in to a holistic personality. PICT students have achieved great success in academics by getting distinctions Ranks. Many of our students have CGPA of 10/10. PICT students are accepted all over the world. They are exposed to Research and Innovation during their course through the R D activities carried out through the Center of Excellence/Innovation, Industry-

sponsored Laboratories/Projects/Internships. Life at PICT is much more than regular academic activities. PICT campus is technically vibrant with a lot of activities throughout the year supported by professional societies like IEEE, ACM, CSI and IETE.

Provide the weblink of the institution
https://pict.edu/

8.Future Plans of Actions for Next Academic Year

• To continue the present uniform OBE-based teaching and learning activities. • To implement project-based learning for SE students • To organize the Seminar/workshops on current technologies. • To organize International/National conference on recent technology • To start certificate courses on cutting-edge technologies. • To improve the international tie-ups and collaborations. • To strengthen institute industry interaction. • To promote research, IPR, and product development. • To conduct internal and external AAA audit for AY 2020-21 • To prepare and submit AQAR report of 2020-2021