



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

PERI INSTITUTE OF TECHNOLOGY

**NO 1 MANIVAKKAM, WEST TAMBARAM, VANDALUR
600048**

<http://periit.com>

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

PERI Institute of Technology (PERI IT) was established in 2010 by the PERI Educational and Charitable Trust with the objective of providing quality technical education. The Institute is built at Mannivakkam, Chennai in a sprawling area of 7.8 acres replete with A/C classrooms, well equipped labs, A/C transport, cafeteria, sports facilities and a vast library.

PERI IT offers both B.E. and M.E. courses and is recognized as an institution offering technical education by AICTE, New Delhi. It is affiliated to Anna University of Technology, Chennai.

The College offers 5 UG and 4 PG programmes in Engineering and Technology. The Institute has 127 faculty members with a sanctioned intake of 480 students in UG and 42 In PG totalling 522 intake.

Efficient leadership and support provided by the dedicated Management, Contribution made by the faculty members, Staff, Other Stakeholders and proactive students contribute to maintaining the core values of the Institution. The College has established the quality culture in teaching-learning and administrative processes through the sustenance measures, Iquru, and Internal Quality Assurance Cell. PERIIT enjoys 2F status from UGC.

The major Awards and Rankings achieved by the College are given below

1. **“Best Infrastructure Institution award”**. – National Award -2017 from DrKalam Educational Trust for tribal, Chennai.
2. **"Best Academic Department"** AWARD-ECE-from DrKalam Educational Trust for Tribal.
3. **Best Academic Project Department"** AWARD-CSE issued by DrKET for tribal . 2017
4. **Best Academic Project"** AWARD-CSE–National award 2017 issued by IIT Mumbai.
5. **Best Academic Administrator "** AWARD- Principal PERIIT from Dr.KET for tribal.2018.
6. **Best Academic International Conference on Informatics, Robotics, Construction & Communication. –ICIRCC'18"** 7th & 8th April.2018. 350 papers were received & 145 papers published in 3 different International journals .viz. www. IJCEA, www.IJRETS, www.IJMPE.
7. **Best Exhibition of Academia Project** at IMTEX FORMING 2018, 25-31Jan Bangalore. issued to Mechanical Engineering department –PERIIT by Indian Machine Tool Manufacture's Association. IMTMA
8. **Best Emerging Institution** award in south India by Times of India during 2016.
9. **Best Engine design Award** from Go Kart- Mas force formula car during Sept 2019
10. **Webinars**. We have conducted 70 number of webinars during Covid19 period for our students through Google meet and Webex.

Vision

PERI Institute of Technology Technology has a vision to be an internationally recognized seat of higher learning in Engineering, Technology & science. PERI also visualizes being a research incubator for academicians, industrialists and researchers from across the world.

.To arrange for yearly assessment and accredited mentor institutions of higher education or units thereof, for CSE and ECE academic programmes

- To stimulate the academic environment for promotion of quality in teaching-learning and research in our institution especially for CSE, ECE & Mechanical Engineering.
- To go for self-evaluation, accountability, autonomy and innovations in all five UG departments .
- To encourage all the stakeholders of Institution for quality evaluation,promotion and sustenance.

Mission

PERI Institute of Technology will endeavor to emerge as a premier technical institution in the country by

1. Providing state-of-the-art infrastructure facilities to achieve excellence in teaching-learning, Research & Development.
2. Aligning with leading industries to create competent engineers through internships and placement focused training.
3. Create an environment which is conducive to learn skills which will solve pressing issues along with foundation in moral values and ethics.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Try to attain Special status in higher education vicinity
- Huge campus with very good built-up structure & Well equipped computer center and central Library
- Comprehensive Hostel facilities for students in the campus
- Try to attain Special status in higher education vicinity
- Approved research centres in CSE and ECE departments in near future
- Member of MHRD's Institution Innovation Council
- Conducive environment for Research.
- Sponsored Skill development programmes for faculty members in India
- Generous contribution by the Management for Research and Development
- Industry sponsored Centre of Excellence laboratories- Inspire students in entrepreneurship by introducing project learning
- Comprehensive Hostel facilities for students and faculty members.

Institutional Weakness

- Limited academic freedom & regulation restrictions
- Lack of interest in self-learning by students
- As a self-financing college, Teaching faculty members face difficulty while seeking funds from various Government funding agencies
- Departments need to become "Research Centres" recognized by Anna University
- Potential research proposals in allied and thrust areas
- Faculty members face difficulty while seeking funds from various Government funding agencies
- Lack of interest in self-learning.

Institutional Opportunity

Freedom to recruit all eligible students & introduce new schemes using research Laboratories and clubs.

Scope for commercialization of research outcomes
Training the students in the emerging technologies for enhancing employability.

Expand and improve the effectiveness of the institution in all aspects.

Increase and strengthen external collaborations. Focus on ACADEMIC excellence with an emphasis on College growth.

Work collaboratively with major Institutions with research potential.

There is a Scope for commercialization of research outcomes.

Institutional Challenge

Increasing costs of overheads and resources.

Regulation changes of the affiliated University & poor admission

Obtaining funds from the Industries for research projects is a big challenge.

Increasing overheads on admissions and resources

Declining interest in technical education by students. & Public perception

Lesser revenue and high pay scale

Saturation of Engineering education & students diversion to arts colleges

Regulation restrictions of the affiliating University.

Training of faculty members in the latest technologies as per industry requirement

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- The curriculum is prescribed by Anna University, Chennai. In addition, we have included value added innovations through the Centre of Excellence Aero/IOT/Robotics/CAD Laboratories for

developing additional Knowledge, skill and employability. Knowledge component encompasses:

- Basic Knowledge in fundamentals of engineering
- Specialization in one's own area, General knowledge in other areas
- Conflict and crisis management, Managing to withstand changes
- Critical thinking & lateral thinking, Decision making, Coping with stress and emotion
- Project management, Planning, conducting and managing effective meetings and Group discussions. Application of knowledge- Understanding of professional ethical values.
- Some of the important skills engineer should possess are
- Effective communication and making powerful and effective acceptable presentation
- Give credit to the team members for success of any project and take responsibility for any failures instead of blaming other members.
- Ability to solve complex engineering problems with assistants
- Applying new technologies To design and fabricate through creative and innovative thinking
- Analyze and interpret data and design experiments to gain new data
- Have consideration for cost, benefits, safety, quality & Deliver with commitment on time etc.
- Abundant opportunities are provided to students through electives in curricula enabling them to develop interest in engineering as their career. The students are engaged in self-learning tasks which encourages them to actively participate in Conferences, Workshops, Symposiums, National and International Competitions.
- All these abilities are evaluated periodically. The training programmes starts from 1st year itself.

Teaching-learning and Evaluation

- Recruitment of well qualified teachers as per normal procedure to maintain academic excellence.
- Preparation of lesson plans, Time Table and Academic calendar in advance and sharing with students through Iqur, emails & whats app group. weak and slow learning students will be identified by their high school marks & 1st assesment test. Then special care will be given to such students. Gifted & Talented students will be given freedom to concentrate more on their projects
- Supplementing classroom teaching through expert lectures, alumni interaction, seminars, workshops, mini-projects, Industrial visit, internship, training and e-courseware, (NPTEL), Swyam, & Course Era.
- Feedback helps to plan and execute systematic teaching-learning & ensure quality designed structured-orientation programmes for the learner group
- Introduction of bridge courses, remedial classes, Special Coaching classes conducted for slow learners after class hours and on online through webex & google meet.
- Creative Learning Methodology, learning by doing mini projects
- Special provisions for advanced learners using AERO/IOT/Robotics/CADD labs
- Funds for design and fabrication of working models as mini projects presentation of papers in seminar and conferences at national and international level competitions
- Quality improvement of faculty by training and research programmes
- System for effective counseling staff student ratio is 1:10
- Maintaining gender ratio besides reservation policies laid down by the Government
- Gender equity and admission opportunities for differently-abled students.

Research, Innovations and Extension

- Identification of thrust areas for research & going to Establish 3 Research Centres approved by Anna

University, Chennai

- Process of promoting the research culture among the faculty and students encouraged by the Management
- Organization of international/National level Conferences, workshops and symposiums every year for Faculty and for intercollegiate students.
- Promoting research activities and providing financial assistance for registration, TA etc to participating faculty members
- Departments provided with secretarial assistance
- 19 faculty members qualified with Ph.D.
- 120 faculty publications in the last four years and 241 papers presented in the conference proceedings
- 7 Patents filed since 2010 and 3 Published
- Established 3 industry sponsored COE laboratories for fostering research(Aero,Robotics,IoT)
- Institute Social Responsibility activities carried out through NCC, NSS, and society oriented clubs.
- 34 MOU's signed with various industries for student benefit.
- There was a difficulty in encourage students research ideas and their projects into research publications/patents. From this year onwards, we have introduced a method . Every faculty with research specialization and evidence of success will be grouped with the faculties as per their research ideas/ interests. The students research problems will be discussed by these group of faculties and research works will be assigned to the students. These students will execute their research work under the mentoring and guidance of these group of faculties and from Industry. The experiments and results are closely followed by the faculties and it will be consolidated and written as research articles.
- All such good research work to present in conferences and bring it as journal publications. We made it succesful our ICIRCC 20 Online conference and published in IJRETS(international Journal of Research in engineering, Technology & Science).We are succesfully conducting this International Conference on Informatics,Robotics,construction & Communication systems for past 3 years .

Infrastructure and Learning Resources

- Good Ambience Class Rooms, well equipped Laboratories, Tutorial Rooms for effective Teaching and learning with ICT facilities.
- Administrative Office, Department HoD Rooms and faculty Cabins with all required facilities.
- Air-conditioned ICT Enabled seminar halls, Board Rooms, GD & Interview Rooms and Open auditorium
- Rs 4.21 Crores worth machines and equipment added in the last 10 years
- Well Stacked Library with 27313 Volume of Books with 5177 Titles and Online Journals for all Discilpilines.
- More than 500 Computers and 20iMac System with 64Mbps Internet bandwidth Laundering facilities in hostels
- Network Maintenance Cell and Test & Repair Centre for maintenance of all hardware and software.
- Establishment of CoE laboratories through Industry sponsorship
- Modern Gym facilities separately for boys and in progress for girls
- Availability of indoor and outdoor sports facilities
- Maintenance of campus facilities through qualified engineers and managers & outsourced.
- The College provides ample facilities for the students to participate in sports and games in College,University, District, State and National levels competitions. Indoor and outdoor games facilities are available in

the campus and effectively used by the students during and after the college hours. The college organizes PERI Sports Day every year and many colleges are participating in this event. The college has separate facilities for Yoga classes are conducted in both indoor and outdoor.

- PERIIT organizes the cultural event every year in which valuable and popular personalities will be participating as Guest.& Inaugurate it.

Student Support and Progression

- College has 1068 (UG) and 38 (PG) students
- Every year Rs.10 Lakhs financial assistance given by the Management to deserving students.
- 37 % of total students are benefitted by various scholarship schemes
- Recognition of College under Progressive Practices by AICTE and Anna University
- Establishment of Professional Chapters (IEI, ISTE, CSI, IEEE, ICI, etc..) progress has been intimated to the parents
- 191 students have been placed in the current batch
- Coaching for GATE and other TNPSC examinations conducted every year
- 31.23% of students avail hostel facilities.
- Separate Dining halls for day scholars / hostellers / Faculty and VIPs.
- Publication of Department Newsletter, College Magazine.
- cctv surveillance is available both in classrooms & hostel
- PERIIT on its behalf serves the students by distributing Scholarships and freship by a transparent mechanism through PERI Educational & Charitable Trust. More than three hundred fifty students are benefitted in the last five years.
- PERI integrates capability development and enhancement measures under placements office by providing guidance for competitive examinations, orientation for career development, soft skills and communication skills, Yoga and Meditation sessions as a part of student integral academic activities.
- The students are also supported to overcome learning difficulties through student-centric remedial and bridge courses.
- A well established Anti Ragging committee, Sexual Harassment committee and Grievance Redresal Mechanism based on bottom up approach, ensures tranquility among the students.
- The college has well established career counselling, entrepreneurship development (EDC) and placement cells, for guiding students towards a better career and providing job opportunities through campus interviews.
- The institute has received more than seventy awards for AU Zonal sports, NCC, NSS and cultural events in the last five years.
- Many students participate in cultural events to express their talents on various themes in the grand cultural fest of the institute & other college meet as well .
- The Alumni network of the institute bridges between present students and alumni to explore prospects for institutional growth & few students financially contributing for the development of the Institution. moreover Alumni are actively involved in placement Training activities .

Governance, Leadership and Management

The Chairman shri Saravanan Periasamy is the leader in guiding the administration of the institution and making the council of Principal, vice Principal, Hod's, faculty and students work towards the vision of the

institute. The commencement of new courses, expansion of infrastructure, implementation of strategy and other vital decisions are approved by the Chairman and implementation process discussed with the Principal, VP, Internal Quality Assurance Cell (IQAC) and Heads of the departments for execution.

The top management headed by the Chairman ensures that periodical meetings of the Governing Council are conducted to monitor the progress

The institution has a perspective plan for development. Modernization of the existing facilities, implementation of new ventures for Centre of excellence and R&D, expansion of infrastructure by means of laboratories, library resources, class rooms, meeting halls and sporting facilities are the usual criteria in the annual plan of the institution. The academic plan (semester wise) is prepared by the Principal after having discussions with the HODs which includes the scheduling of industrial visits, conferences, workshops, seminars, FDPs, association activities, club activities, sports tournaments and recruitment.

The Chairman conducts regular meetings with the Principal, VP, faculty, cells, students and parents. Faculty meetings with the HOD play a pivotal role as the collective suggestions are well analysed later in the HODs meetings with the vice Principal. Principal's subsequent meetings with the top management and with the Governing Council ensure that all the information and suggestions reach from top to bottom and vice versa in a smooth fashion.

- All Committee meetings are conducted periodically .
- Cordial Relationship between the Management, faculty and stakeholders.
- Coordination of academic and administrative planning, and mplementation have been established through GC guidelines.
- Transparency in the academic and administrative practices.
- Self-appraisal for faculty and students feedback systems.
- Monitoring mechanism through IQAC audit.
- Feedback analysis, result analysis helps the Management to Correct shortfalls.
- Recruitment, FDP, empowering faculty member.
- Financial Management through Department budget and Institution Budget.

Institutional Values and Best Practices

1. Best Practice I: Skill Development for increasing Employability and to promote Entrepreneurship among students.

Goal: Enhance quantitative and aptitude ability of the students.

Improve their ability to express their views and ideas without any fear.

Help them to enhance their analytical and logic building ability, there by programming becomes a habit.

Ensure that they use good vocabulary so that communicating with international clients will not be a problem.

Inculcate self-learning as part of their routine learning activity

Involving students in entrepreneurial activities.

reduce job providers than job seekers.

The practice:

During their First year of study all students are given an orientation program to make them understand what engineering is all about.

Motivational programs are conducted to ignite their thinking ability.

They are motivated to participate in national level competitions

conducted by various agencies and industries (like AICTE, NASSCOM, TCS, IBM) to showcase and enhance their technical skills.

All students are mandatorily trained on enhancing their programming skills as all engineering graduates are expected to be computer literate.

During the third-year students are provided with various opportunities to enhance their domain knowledge and also enhance their presentation and communication skills.

centre of Excellence (COE) are set up to impart training on a specific

domain. With the help of industry experts, we form core committees which will decide

and frame the syllabus to be delivered as part of training through a COE.

Conduct Learn-wise programme through National Entrepreneurship Network and EDI, NAD, Government of Tamil Nadu, which lead to students setting up startups.

2. Practice II: Introduction & Implementation of Student mentoring system

Goal:

- To foster healthy and positive professional relationships between students, teachers and other Stakeholders.
- To identify students' academic needs and help them to acquire strong foundational knowledge in Engineering, Science and Technology.
- To nurture the students' creative minds and help they do innovative projects with social relevance as nation builders.
- To help students identify their areas of interest and groom them to achieve their career goals.
- To cultivate moral values and inculcate healthy learning habits that will make them develop as an informed, skilled and ethical professional.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PERI INSTITUTE OF TECHNOLOGY
Address	No 1 Manivakkam, West Tambaram, VANDALUR
City	Chennai
State	Tamil Nadu
Pin	600048
Website	http://periit.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	R. Palson Kennedy	044-61333400	9444044720	044-66813331	principal@periit.com
IQAC / CIQA coordinator	B. Magesh	-	9943282931	-	viceprincipal@peri.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	01-01-2010

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	14-02-2019	View Document
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	24-04-2019	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	No 1 Manivakkam, West Tambaram, VANDALUR	Rural	7.8	18442

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	HSC or Diploma	English	60	6
UG	BE,Mechanical Engineering	48	HSC or Diploma	English	120	23
UG	BE,Computer Science Engineering	48	HSC or Diploma	English	120	102
UG	BE,Electrical And Electronics Engineering	48	HSC or Diploma	English	60	12
UG	BE,Electronics And Communication Engineering	48	HSC or Diploma	English	120	28
PG	ME,Applied Electronics	24	B.E or B.Tech	English	24	1
PG	ME,Computer Science	24	B.E. or B.Tech	English	24	2
PG	ME,Communication Systems	24	B.E. or B. Tech	English	12	2
PG	ME,Power Electronics And Drives	24	B.E. or B. Tech.	English	12	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	12				24				87			
Recruited	10	2	0	12	18	6	0	24	41	46	0	87
Yet to Recruit	0				0				0			

Non-Teaching Staff						
	Male		Female		Others	Total
Sanctioned by the UGC /University State Government						0
Recruited	0		0		0	0
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						28
Recruited	17		11		0	28
Yet to Recruit						0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	8	2	0	10
Yet to Recruit				2

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	2	0	12	2	0	0	0	0	24
M.Phil.	0	0	0	2	0	0	1	0	0	3
PG	0	0	0	3	1	0	41	42	0	87

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	2	0	0	4	0	0	0	0	0	6
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	1	0	4

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	1	0	0	0	0	0	2
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	3		2		5

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	114	24	0	0	138
	Female	29	6	0	0	35
	Others	0	0	0	0	0
PG	Male	3	0	0	0	3
	Female	6	0	0	0	6
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	25	26	44	34
	Female	9	9	15	7
	Others	0	0	0	0
ST	Male	2	0	1	1
	Female	0	0	1	0
	Others	0	0	0	0
OBC	Male	28	51	93	65
	Female	12	12	25	12
	Others	0	0	0	0
General	Male	12	31	51	22
	Female	5	16	18	8
	Others	0	0	0	0
Others	Male	59	101	190	136
	Female	21	32	35	33
	Others	0	0	0	0
Total		173	278	473	318

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
801	801	757	757	757
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	9	9	9	9

2 Students

2.1

Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
289	483	323	603	642
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
177	214	214	401	407

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
352	381	323	258	179

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
145	165	160	150	103

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
154	154	154	154	121

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 48

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
607.30	921.20	927.21	1266.3	902.70

4.3

Number of Computers

Response: 486

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

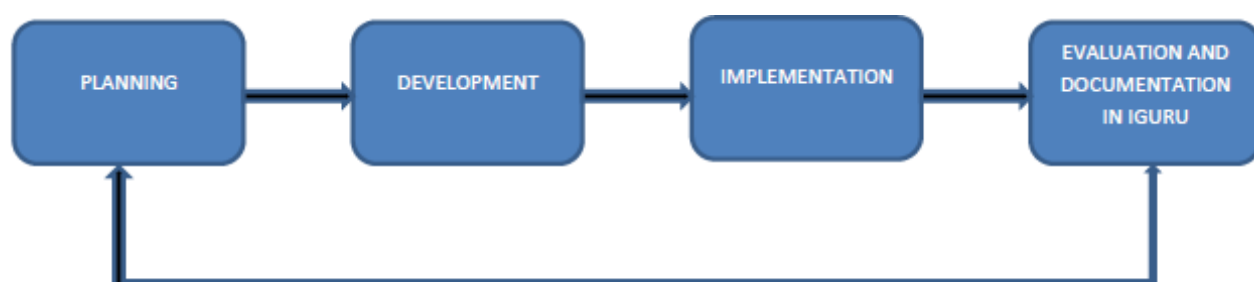
1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Curriculum Delivery and Documentation system

- Every semester the academic calendar is framed by the Institution in line with academic schedule of Anna University, Chennai-25.
- Course allocation is finalized by Head of the Department on the basis of faculty's technical skill, competency level, experience, students' feedback and academic performance.
- At the beginning of every Semester, Course Committee Meeting is organized within the department (common to all sections) and with other department for common courses.
- The Course Outcomes, assignments, Case Studies and Self Study Topics are planned.
- Based on the expected Course Outcomes, content beyond syllabus are identified and delivery plan are formulated accordingly.
- All the Course handlers plan their lecture schedule based on the academic calendar, syllabus and department time table.
- The course in-charge communicates the course objectives and expected outcomes to the students at the start of the course.
- Course delivery is carried out as per the planning mentioned in the lecture schedule and it is recorded correspondingly in the Assessment Record.
- Course handlers have freedom of delivering their lecture by using various teaching aids like black board, OHP, LCD, video, NPTEL.
- The Academic performance of the Students are measured and monitored through Centralized Internal Tests and Class Tests with regular assignments.
- Students are also assessed by course handler using various tools that determine the ability of students such as Assignments, Quiz, Group Discussion and Presentations.
- Students are identified as quick and slow learners based on their performance in their tests.
- Quick learners are motivated to secure higher grades as well as University ranks and slow learners are counselled to undergo tutorial / coaching classes to perform better.



- **Planning** . This phase consists of the of the following

Academic Calendar preparation & Faculty recruitment ,Lab & Infrastructure facilities followed by Constitution of Committees.

- **Development**

It Consists of Subject Preference & allocation, Time table,Lesson plan,Course file & PPT presentation.

- **Implementation**

It consists of Syllabus Coverage,Assignments,Daily/Cycle/Model tests, & Coaching classes.

- **Evaluation & Documentation**

It consisits of Internal Assessment tests,Identify slow & good learners,Special coaching & store Document in I guru

- Class Committee Meetings are scheduled and conducted effectively by each department to encourage the students to improve their academic performance and other skills.
- Class Committee Meetings are held three times in a semester to monitor the progress of the course and the assessment tools used by the teacher for effective teaching learning and evaluation process. The reports of the class committee meetings are reviewed by the Head of the Department and suggestions are given to the course in-charge for improvement.
- Department Faculty Meetings are conducted to review the progress of the course delivery and any improvement in the teaching learning process, if required, is suggested for implementation.
- Course Outcome survey is obtained from all the students for all the courses at the end of the semester.
- Course Outcomes and Program Outcomes attainment are analyzed. Student's feedback is obtained at the end of the semester and faculty members are motivated to improve the course delivery method in the subsequent semester.

File Description	Document
Upload Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Academic Calendar & CIE.

A Candidate who has fulfilled the following conditions shall be deemed to have satisfied the requirements for completion of a semester. Ideally every student is expected to attend all classes of all the courses and secure 100% attendance. However, in order to give provision for certain unavoidable reasons such as

Medical / participation in sports, the student is expected to attend atleast 75% of the classes. Therefore, he/she shall secure not less than 75% (after rounding off to the nearest integer) . However, a candidate who secures overall attendance between 65% and 74% in the current semester due to medical reasons (prolonged hospitalization / accident / specific illness) / Participation in Sports events may be permitted to appear for the current semester examinations subject to the condition that the candidate shall submit the medical certificate / sports participation certificate attested by the Head of the Institution. The same shall be forwarded to the Controller of Examinations for record purposes.

Each common theory course offered to more than one discipline or group, shall have a “Course Committee” comprising all the teachers teaching the common course with one of them nominated as Course Coordinator. The nomination of the Course Coordinator shall be made by the Head of the Department / Head of the Institution depending upon whether all the teachers teaching the common course belong to a single department or to several departments. The ‘Course committee’ shall meet in order to arrive at a common scheme of evaluation for the test and shall ensure a uniform evaluation of the tests. Wherever feasible, the course committee may also prepare a common question paper for the internal assessment test(s).

Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson who is not teaching the class. It is like the ‘Quality Circle’ (more commonly used in industries) with the overall goal of improving the teachinglearning process. The functions of the class committee include Solving problems experienced by students in the class room and in the laboratories.

Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment.

At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

- 1. Academic council/BoS of Affiliating university**
- 2. Setting of question papers for UG/PG programs**
- 3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
- 4. Assessment /evaluation process of the affiliating University**

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented	
Response: 100	
1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.	
Response: 9	
File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years											
Response: 30											
1.2.2.1 How many Add on /Certificate programs are added within the last 5 years.											
<table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>13</td> <td>2</td> <td>2</td> <td>1</td> </tr> </tbody> </table>		2018-19	2017-18	2016-17	2015-16	2014-15	12	13	2	2	1
2018-19	2017-18	2016-17	2015-16	2014-15							
12	13	2	2	1							
File Description	Document										
List of Add on /Certificate programs	View Document										
Brochure or any other document relating to Add on /Certificate programs	View Document										

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 69.16

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
430	318	396	46	6

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Gender:

The College has a well-established arrangement to foster gender equality in all aspects of students' life. The students are taught how to behave with other genders during HoD's talk that happens at the start of every semester. During Placements the HR personnel exposes the students' to the behavioral attributes they have to possess while working with female colleagues. The students are taught to support women in their work activities to create harmonious and peaceful working environment. Women's day is celebrated to show the importance of women in the society. Feedback is collected from all women (both students and working staff) to ensure there is no charges of sexual harassment and gender inequality inside the campus. If a complaint is filed in the women's grievances cell it is given utmost importance and the committee takes necessary action against the male factor.

The institution has been maintaining 50% of women employees since 2010 as an evidence for gender equality. The institution also has 40 % women in the administration of the institute.

Environment and sustainability:

The curriculum of Anna University is well designed to offer knowledge on environmental protection and its sustainability for all Engineering branches. These courses are offered to all the regulations. The course Environmental science gives insights on Environment, Ecosystems, Bio-diversity, environmental pollution and conservation of natural resources.

Apart from this the students visit industries, do internships and learn how the effluents are treated before it is discharged outside the facility. During the visits they learn how industries do research to find bio degradable and eco friendly materials for their products and also learn about ISO standards and issues that concern environmental sustainability.

Human Values and Professional Ethics:

The Professional ethics course is offered to almost all branches of Engineering in the Anna university curriculum. The notion of including the subject in the Engineering curriculum is to produce an Engineer who will consider ethics and Human values in all form of his work. In order to inculcate moral and social values, the courses such as *Professional Ethics in Engineering and Principles of Management* are available in the curriculum. The various social activities organized by the institution like Blood donation camp, Dental camp, Flood Relief, adoption of village, Awareness on water resource safety , Rain water saving, Rallies for awareness on Traffic rules and safety through NSS and YRC also contribute to inculcate human values.

The Courses relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics that integrated into the Curriculum are listed below:

S.No	Subject code	Name of the Subject
1	GE 6351	ENVIRONMENTAL SCIENCE AND ENGINEERING
2	GE 6075	PROFESSIONAL ETHICS IN ENGINEERING
3	GE 6674	COMMUNICATION AND SOFT SKILLS – LABORATORY
4	MG 6851	PRINCIPLES OF MANAGEMENT
5	GE 6757	TOTAL QUALITY MANAGEMENT
6	BA7311	PROFESSIONAL SKILL DEVELOPMENT
7	BA 7402	BUSINESS ETHICS, CORPORATE SOCIAL RESPONSIBILITY & GOVERNANCE
8	MC 7304	PROFESSIONAL ETHICS
9	GE 8076	PROFESSIONAL ETHICS IN ENGINEERING
10	GE 8074	HUMAN RIGHTS
11	GE 8291	ENVIRONMENTAL SCIENCE AND ENGINEERING

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 0.65

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	5	5	5

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 58.48

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 169

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1.Feedback collected, analysed and action taken and feedback available on website
- 2.Feedback collected, analysed and action has been taken
- 3.Feedback collected and analysed
- 4.Feedback collected
5. Feedback not collected

Response: B. Feedback collected, analysed and action has been taken

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 62.9

2.1.1.1 Number of students admitted year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
289	483	323	603	642

2.1.1.2 Number of sanctioned seats year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
744	744	744	744	744

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 100

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
177	214	214	401	407

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Being an institution affiliated to Anna university, the students get admitted into our institution through single window counseling by Anna University or through management quota, based on their HSC marks. The admissions are made subject to domicile regulations giving preference to both inside and outside of the state.

Bridge course, conducted for the first year students acts as a buffer for new students and is acting as a bridge to initiate the hardcore engineering subjects with ease. This course includes foundation subjects like basic Mathematics, English, Elements of Engineering, Physics and Information and Communication Technology. This 6 weeks program enables students to approach the first-year subjects with confidence. To make them better in all the aspects personality development classes are conducted for the first years. For healthier understanding towards academic and nonacademic quires interaction classes are conducted throughout the semesters.

All the notes and supportive materials for core subjects are posted by teachers in software IGURU to help students. The ability of students is assessed through continuous class tests, assessment tests and model exams and they are guided with respect to their performance.

Slow learners.

1.Through periodic motivated counseling and provision of mental support by the respective mentors and additional coaching class after the college timings.

2.The slow learners are supported by mentors to perform well towards improvement. The mentoring system is afforded even for quick learners to strengthen them mentally and reach new heights both technically and morally.

3.The mentoring details and the taken actions are recorded in IGURU for continuous support for the students.

4. They are practiced to solve 3 previous years University question papers & counselled by mentors & class Teacher then & there.

5. Slow learners were all-motivated to study well without any burden. Simple home-work assignments are periodically given to them.And such assignments will be corrected by concern faculties the following day.

Advanced Learners

1.Advanced learners are encouraged to push forward through innovative strategies in time constrained environment. More freedom is given to them to use innovative gifted & taleneted learning flexible program (G&T -Flexi)

2.Virtual examples are given for the students to visualize/simulate and study accordingly based on their

core-subject interest.

3.The advanced students are also mentored to design hardware circuits, VLSI,robotics,Drones,IOT and coding skills.Innovative assignments and Brain storming sessions are regularly given to advanced learners through industries.

4.Advanced learners of the respective department are allotted to their respective Centre of Excellence (CoE) to strengthen the academics through a practical approach.

5.The students are also motivated to prepare for the aptitude exams like TNPSC, UPSC,GATE, TOEFEL and GRE.

6.Advanced learners are encouraged to participate in extra-curricular activities like Symposia,Workshop and Conferences. They are encouraged to participate in aptitude/campus interview/software training and also encouraged to participate in the competition such as Smart India Hackathon (SIH) and Tata Innoverse.

7.The students are also motivated to use online resources to update their knowledge and enhance their through NPTEL/Swayam etc.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Any additional information	View Document

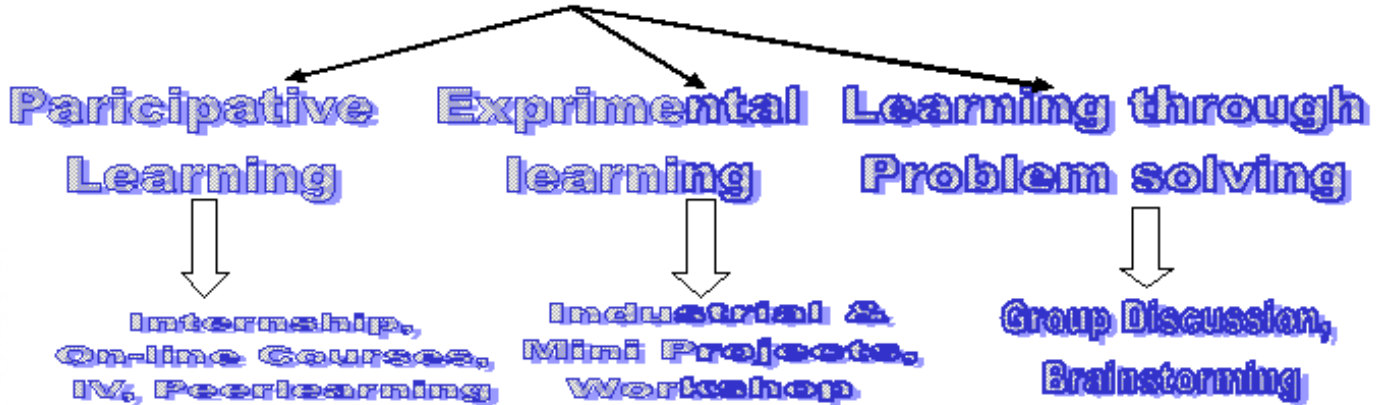
2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

The syllabus has been designed for various programs by Anna University to ensure that students understand the concept objectives, are able to apply the concepts in practical situations and analyse the outcomes of such practical applications.

Student Centric methods



Experiential learning is the process of learning through experience, and is more specifically defined as "learning through reflection on doing". Hands-on learning is a form of experiential learning but does not necessarily involve students reflecting on their product

1. Students are encouraged to do mini project every semester in laboratory related subjects.
2. The students are sent to industry to pursue internships/industry oriented mini projects. After the completion of the internship the students are asked to submit a report and do the presentation
3. Students are motivated to participate in various national level project competitions.
4. Project Expo is conducted every year in order to promote our student's innate skill to focus their practical knowledge towards projects.
5. A unique Innovative Learning Program (ILP) Centre providing a scheme on IOT, Robotics & Drone Technology

Problem Solving Methods learning experiences, the students are made to take part mentally and vocally inside the classroom. The subject sessions are conducted in an interactive manner, making the students to think, recall and understand the concepts. Along with this they are made to participate actively in indoor activities like healthy debates, spot quizzes and group discussions on technical and social topics.

Participative Learning.

1. The final year and pre-final year students are encouraged to work on individual and team to do mini and major projects to enrich their knowledge towards industries.
2. Workshops are arranged for all the programs on the core subjects and the students are motivated to take part with an intention to upgrade the domain skills.
3. Few students have been given opportunities for internships at various reputed organisations like ISRO and NITTTR. Thus they are made to do projects in real time environment.
4. Apart from this, Gifted and talented students are identified and are encouraged and nurtured with ideas and suggestions to develop innovative projects of good quality and socially beneficial.
5. Multiple choice question tests for each unit in every subject are conducted through IGURU software during lockdown period

Enhanced Learning.

1. Project exhibition was conducted as a platform for the students to reveal their waves of innovativeness and to exhibit their expertise.
2. Choices of clubs on condition that acquaintance towards different fields like Aero modeling, Robotic club and IOT.
3. .Students are encouraged to participate in national and international technical competitions/conferences where they have won many a laurels.
4. Guest lectures by industrial experts are arranged in order to expose students to industrial practices and industry needs from the present competitive wards.
5. Students are encouraged to bring out their technical skills by conducting events like Hackathon.
6. Value added courses are conducted by professionals on core subjects in a holistic manner for being professional in approach and creative in methodologies in today's industrial scenario.
7. Industrial visits are arranged every semester to facilitate a professional development in the learners where they obtained working environs.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

A number of innovative teaching methods have been adopted for effective teaching. The following efforts are encouraged by our institution.

- Desktop and laptops
- LCD Projector
- DVDs and CDs
- NPTEL VIDEOS ,MOOC etc.,
- Google Forms
- Google Classroom
- NPTEL, simulation and virtual labs, power point presentations and charts are used to augment conventional black board teaching. Working prototype models are also depicted in the class rooms. Role plays, simulation studies, field visits, surveys and demonstrations are also incorporated in teaching methodology.
- The faculty members are encouraged to participate in National/International level seminars and conferences. They share what they had imbibed, with students and fellow faculty members about

what they presented and what they learnt on recent updates at the seminar / conference.

- NPTEL resources and open resource software are widely used to innovate teaching and learning methods.
- Power point presentation is a must for all faculties for their subjects.

To nurture critical thinking, creativity and scientific temper among the students, the institution takes the following measures.

- The innovative project cell functioning in the campus kindles the R&D interests of the young minds. Winners of innovative project creation events are awarded.
- The students' practical knowledge is enhanced through summer trainings and industrial visits.
- Guest lectures, seminars, workshops and webinars are also instrumental in creating awareness on recent trends.
- On line classes conducted through Google meet , Webex and team . it is become mandatory for all staff to conduct on-line classes for both theory and practical classes (wher ever possible)

Students are also provided with facilities to carry out certain experiments beyond the syllabus in the laboratories and contribute their new ideas for social purpose. During this pandemic period conducted online classes for students and special classes for slowlearners.

The students are motivated to be benefitted by taking up COURSERA online courses in this lockdown period..

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 10:1

2.3.3.1 Number of mentors

Response: 29

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 97.54

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 15.52

2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
24	21	28	20	18

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 4.31

2.4.3.1 Total experience of full-time teachers

Response: 625

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

Internal Assessment

The internal assessment is categorized as the following.

- Theory Courses
- Practical Courses
- Project Work

The mechanism established for conducting internal assessment is given below.

Theory Courses

- Two Internal Assessment Tests and one model examination are conducted for each subject.
- Internal and Model exams are conducted in centralised manner by the exam cell.
- The faculty members set two question papers for individual courses (SET "A" & "B") with course outcomes and blooms taxonomy level mentioned against each questions with the approval of HOD.
- Exam cell prepares the time table and invigilation duty chart.
- The internal squad members assigned by the Exam Cell and Head of the Institution take cares of the smooth conduct of internal test.
- The Evaluated Answer scripts are given to the students for clarifying the doubts and grievances if any can be clarified with the concern faculty member.
- The performance of the test is analysed during the class committee meeting, department academic review meeting.
- The corrective actions are planned accordingly for each subject in order to improve the performance.
- The Exam Cell enters the mark in Anna university web portal and verification process is done by the counter signature of the concern faculty.
- The portion coverage for internal assessment test 1 is 1½ units and for test 2 is next 1 ½ units. Model examination will be on all the units
- The question paper contains 10 Part A (2 marks) questions and 5 Part B questions (Either or type) (13 Marks) and 1 Part C question (15 Marks).
- Answer sheets are corrected by the subject teachers and verified by the respective HoDs.

Practical Course

- Laboratory manual is prepared by the faculty member and given to the students.
- Viva and records maintained.
- Model practical exam is conducted after completing all the exercises / experiments.
- The criteria for arriving the Internal Assessment marks is as per Anna university
- Mini projects are given for some laboratory courses.
- 3 continuous hours are allotted in a week. The students will be assessed based on the way they performed the experiment every week.
- Model practical examination will be conducted after completing all the experiments and before University Practical Exam

Project Work

- Students are grouped as batches to carry out the project work.
- In order to ensure the participation of each student, the project size shall preferably be 3 and not more than 4 students.
- The students may choose the project topic based on their interest and proficiency in the area of interest. They may also choose the project topic suggested by the supervisor / faculties of the department.
- Four reviews are conducted to assess the performance of the students in project work.
- Zeroth review will be conducted immediately after the commencement of the semester. First, Second and Final review will be conducted with an interval of 3-4 weeks.
- Abstract, Design, Fabrication / investigation / Experiment Results, Performance Evaluation and presentation are the criterions for evaluating the performance of the students during project work.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

Examination related grievances.

On the induction day, the students are introduced about the evaluation process of internal marks and the process of scoring the external marks in the end-semester examination. As per the announcement from Anna University, 3 internal tests called Continuous Assessment Tests (CAT) on 1 to 1.5 units and one model exam on all the 5 units are conducted. More than one question paper is prepared by the subject handling faculty and one among them is finalised by the Head of the Department. The CAT answer scripts are evaluated by the subject handling faculty and the marks are intimated to the students and reported to the Head of the Department within 2 days after the test. The attendance of the students is also monitored by the class in-charges, based on the number of working hours. The students with attendance less than 75% are given a warning before the final entry to improve their attendance percentage. The marks and the

attendance are uploaded in the Anna University web portal during the scheduled period to facilitate the calculation of internal marks out of 20.

The end-semester examination is conducted as per Anna University schedule for 100 marks with the question papers provided by the Anna University. The results of the examination are released within the stipulated time period of one month after the examination. The university supports the students by providing opportunity to have a look at their answer sheet and to apply for a revaluation if they are not satisfactory with the marks / grades they have secured. The concern faculty member will value the photo copy of the answer scripts and suggest his opinion whether to go for revaluation or not. Once faculty suggest for valuation, then students will apply for it. If they fail again in revaluation & found the answers are good enough for getting pass mark then one can go for the Challenge revaluation. They are encouraged to apply for challenging revaluation to reevaluate their answer scripts if they are hopeful about their good performance in the end-semester examination.

As for as practical exams concerned, the internal marks will be awarded based on their attendance & performance in model practical exams. End semester practical exams will be conducted through external examiners posted by the affiliating University. Grievances in internal marks will be sorted out with additional exams & assignments. External marks is purely based on their performances & viva voice presentation only. It is awarded by the external examiner & it is final. Malpractice cases (if any) will be dealt by the Affiliating Anna University panel members only.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design

system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

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

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

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

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

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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

12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

Within five to six years of time after B.E. Computer Science & Engineering graduation, the graduates shall:

PEO1: Be employed as computer science professionals beyond entry-level positions.

PEO2: Be able to route their talents into postgraduate and research programmes, promoting remarkable advancements in emerging areas.

PEO3: Have peer-recognized expertise together with the ability to articulate that expertise as computer science professionals.

PEO4: Apply good analytical, design, and implementation skills required to formulate and solving computational problems.

PEO5: Demonstrate that they can function, communicate, collaborate and continue to learn effectively as ethically and socially responsible computer science professionals.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Attainment of Course Outcomes'(CO's) Program Outcomes (PO's)

Attainment of Course Outcomes(CO's) is narrower statement that describes what students are expected to know, which will be able to do at the end of each course. CO's relate to the skills, knowledge and behavior that students acquire in their curriculum through the course. In a university affiliated college, the CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. In the university to which the institution is affiliated will have, three continuous assessment tests are conducted for each course in a semester. In each test, the percentage of students who achieve a set target (usually, 60% of the maximum marks, i.e., 15 of 25) for the COs that are covered is computed. After the three tests, the average of these percentages is computed to decide the attainment level.

Assessment Method of POs / PSOs The program outcomes and Program Specific outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignment. Average attainment in direct method = University Examination (80%) +Internal assessment (20%). Employer Survey and Alumni Survey. Finally, program outcomes are assessed with above mentioned data and Program Assessment Committee concludes the PO attainment level. Average attainment in indirect method = Average (Alumni survey + Employer survey + Exit survey). The following scoring function is used to calculate the average attainment of each PO. $PO/PSO \text{ Attainment } (\%) = (\text{weight age: } 80\%) \times (\text{Average attainment in direct method}) + (\text{weightage: } 20\%) \times (\text{Average attainment in indirect method})$ According to the above depictions, each PO's/PSO's are assessed and finally found the attainments. The tools used for the assessment of POs/PSO's and their frequency are given below. At the end of each semester, university conducts examinations based on the result published by university the course outcomes are measured. Assignments are given at the end of each module.

The assignments are provided to students, such that students will refer the text books and good reference books to find out the answers and understand the expected objective of the given problem. Two mid examinations are conducted per semester for the following purposes: Direct Twice per semester To ensure that students have achieved desired level of competencies at module level. To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective CO's for assessing the attainment level of the specific CO of the subject. Alumni survey is an important assessment tool to find out following important factors: Indirect Once in a year Level of relevance of the curriculum.

File Description	Document
Upload any additional information	View Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 65.14

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
352	333	282	258	179

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
565	573	384	385	276

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 3

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
1	2	0	0	0

File Description

Document

List of endowments / projects with details of grants

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 3.45

3.1.2.1 Number of teachers recognized as research guides

Response: 5

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 40

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	0	0	0

3.1.3.2 Number of departments offering academic programmes

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The PERI Institute of Technology has formed ecosystem for innovation by establishing the Research and Development Cell and The Entrepreneurship Development Centre (EDC) for creation and transfer of knowledge among faculty and students to enrich their knowledge.

The aim of EDC Cell in PERI Institute of Technology is an initiative to fulfill the demands of current needs in industries and improve the research knowledge of students and faculty. The aim of this cell to facilitate the future entrepreneurs dream comes true. The cell creates a positive attitude towards entrepreneurship, research idea and innovation projects from various industries. The goal of EDC is to form a successful startup from their own ideas of students.

The objective of EDC Cell in PERI Institute of Technology

- To acquire knowledge about latest trends in science and technology.
- To design and implement a novel techniques in the fields of Engineering and Technology.
- To increase a problem solving skill of faculty and students to expedite problem solving with special emphasis on rural and socially relevant issues.

All the Departments associated with PERI Institute of Technology every year conducting International Conference, National Conference to share the knowledge of students and faculty through EDC Cell. Our

institute provides financial support for the best project of social and industrial needs by encouraging becoming an entrepreneur.

Professors and Associate Professor of PERI Institute of technology with research and industrial experience are appointed as IEDC coordinators. Currently EDC Cell having 142 students in all the departments of Engineering and Technology. EDC offers financial support every year to promote novel ideas and develop innovative products within the student community and teaching fraternity.

The following center of Excellence are started by EDC Cell of PERI Institute of Technology

1. Centre of Excellence for Robotics and Automation\
2. Centre of Excellence for Internet of Things

Internet of Things

Internet of Things Centre of Excellence is a research platform exploring the potential of crowd sourcing and Internet of Things for multidisciplinary research with more end-user interactions. It gives the power to the crowd to be at the core of the research and innovation process. It gives you the power to change the world and the way we understand it.

Robotics and Automation

Robotics is a field of engineering that deal with design and application of robots and the use of computer for their manipulation and processing. Robots are used in industries for speeding up the manufacturing process. They are also used in the field of nuclear science, sea-exploration, servicing of transmission electric signals, designing of bio-medical equipment's etc. Robotics requires the application of computer integrated manufacturing, Mechanical engineering, Electrical engineering, Biological mechanics, Software engineering. Automation and Robotics Engineering is the use of control systems and information technologies to reduce the need for human work in the production of goods and services. In the scope of industrialization, automation is a step beyond mechanization. Aero Club is also started functioning from sept 2019 onwards.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 22

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	7	3	2	1

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 6.5

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

Response: 26

3.3.1.2 Number of teachers recognized as guides during the last five years

Response: 4

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.48

3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
10	39	9	7	4

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.46

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	42	1	1	3

File Description	Document
List books and chapters edited volumes/ books published	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The PERI Institute of Technology extends research culture through college-neighborhood network to fulfill social responsibility.

In our institution we initiated our students to implement innovative projects which is used for social needs to solve social problems and meeting the essential needs through EDC project scheme, NSS, YRC and academic projects.

A maximum of five such new project(s) would be supported in a year. The projects may be student's projects with students' involvement with a high degree of innovation in them.

NSS.

As a part of the extension activities which emphasizes community services, PERI Institution of Technology – N.S.S. Unit – provides free medical aid, supplies food for the people who are affected during natural calamities like flood, heavy storm, etc. Apart from this our NSS unit has participated in the Blood

Donation Camps on the Cleaning of villages near by the college.

From time to time the Institution also organizes various health and family welfare awareness programme in nearby village and distributed NelavembuKasaayam in order to prevent fever like Dengue.

These events were organised both on the premises of PERI Institute of Technology and outside the premises. The students are involved in organizing these camps. A large number of lives have been touched through the various events organised by this organisation since its establishment ranging from economically deprived people to people who are deprived socially. Blood donation camps in collaboration with Lions Club is conducted regularly.

The institution serves the community through the best activity of NSS. At the beginning of the academic year portfolios are distributed. Voluntary participation is encouraged in the campus. The college promotes participation of students in extension activities through their felicitation. Every year one particular village is selected in consultation with local administrators, the students and the faculty members render their valuable services in community through various ways.

No Tobacco -No Polythene

NT-NP awareness program is conducted to give awareness to the students and the nearby villages about the deadly diseases caused by the usage Tobacco. And explained how ploythene bags contaminate water & spoil earth. As part of the worldwide campaign against AIDS, World AIDS day was conducted along with the staff, students and pass on the messages to near by villages. GO GREEN Marathon program involves many of the staff and students running for the noble cause of greener environment and explained the need for reduction of CO2..

Yoga. WCSC - Directorate of VISION (Academy), represented by Prof. A.N. MR.S.MAYILMURUGAN President, WCSC –Chennai Suburban Zone contacted the PERI Institute of Technology to conduct Yoga for Youth Empowerment Courses for students and requested the Institution to offer space and Infrastructure to commence the said Courses and the Institution has agreed for the same. This sustainable development of the society depends on the youngsters holistic thinking and vision of the society, involves our students for their holistic development. Every year International Yoga day is celebrated for the mental and physical health benefits and its stability.

File Description	Document
Upload any additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 4

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 25

3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	7	6	4	3

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 64.7

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs

awareness, Gender issue etc. year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
234	278	276	388	226

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration**3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 50**3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
18	13	10	6	3

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**Response:** 28**3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
1	10	14	2	1

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

NAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

About the Institution.

PERI Institute of Technology was established in the year 2010 by Shri.Saravanan Periasamy, the Founder Chairman of PERI Educational Trust with a noble aim of promoting social and technical higher education. At present, the institute is offering 5 UG and 4 PG programmes. This college is a self-financing co-educational Engineering College in Chennai.

The College has an exceptional infrastructure for Administration, Laboratories, Library, Classrooms, Hostels present in different blocks spread over 7.8 acres with actual room area of 9488 sqmt.. Every department posses classrooms, Worhops,computer centers,centers of excellence with adequate ventilation, well equipped and maintained state-of-art laboratories to meet the needs of students and research scholars.

The classrooms of respective departments consist of essential provisions to enable the use of LCD Projector and Laptop/Computer for Teaching-Learning process. The College has two seminar halls with LCD projectors, computers with internet connectivity and public address system. These halls are utilized for co-curricular activities such as Seminars, Guest lectures, Workshops, Symposiums, Conferences and Faculty development programs.The college has well equipped laboratories as per university norms and is maintained periodically.Apart from curriculum,the institution has four center of excellence Labs which includes Robotics Laboratory, New Energy Laboratory, IOT Lab & Aero Laboratory.

A state of art infrastructure is very important for the effective conductability of teaching and learning process. Abiding by the regulations of UGC/ AICTE / Anna University, the infrastructure of PERI IT is created and upgraded on a timely basis. It includes the following:

- Smart Lecture Halls
- Upgraded laboratories for enhancing practical knowledge
- Conference hall with air-conditioning
- LCD projectors
- Audio- visual aids in various forms
- Internet and wi-fi connectivity
- Library with Net connection
- Sufficient furniture for both staff and students
- Water purifier is installed in various blocks.
- Play grounds

Total expenditure incurred so far towards the value of assets (equipment's, buildings & Furnitures) is about Rs.40 corers.

Teaching Learning Facilities	S.No	Facility	Total Numbers	Area in
	1	Class rooms	42	3080
	2	Laboratories	39	3160
	3	Workshop	3	624
	4	Drawing hall	1	160
	5	Seminar Hall	2	294
	6	Research labs	3	282
	7	Tutorial Hall	5	304
	8	HoD room	6	252
	9	Smart Class room	1	179
	10	PMKVY SDC	1	180

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

Sports:

PERI IT organizes annual sports meet every year, where students get ample opportunities to pursue their passion in sports.

Outdoor and indoor games:

The College offers varieties of outdoor and indoor game facilities like: Cricket pitch, Volleyball, Basketball, Shuttle court and Badminton courts, Football ground, Athletic activity space, Chess, Table tennis, Carrom, etc.,

Cultural activities:

Cultural club of the college is actively organizing various colourful programs. PERIIT conducts PERISTA a cultural events every year to bring out the students talents & helps to coordinate with different cultures of the country.

Yoga, health and hygiene:

Yoga Club organized various Yoga camps and International Yoga Day will be conducted yearly. Art of Living classes, Guest lectures and Faculty development programs to enhance the different facilities and cultures. Regular health checkup camps are also been organized for the benefit of Teaching and Non-teaching faculty.

Sports Ground and Facilities	
Cricket Ground	1 Ground
Basket Ball	1 Ground
Volley Ball	2 Ground
Foot Ball	1 Ground
Hockey	1 Ground
Tennis	1 Ground
Shuttle	1 Court
Kabadi	2 Ground
Throw Ball	1 Court
Yoga Meditation	1 Room

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 77.08

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 37

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 8.71

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
62.4	92.1	76.8	114.8	53.3

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Our College Library is automated with IGURU software purchased from PERI Software Solutions, an Integrated Library Management System (ILMS) to facilitate the needs of the staff and students. Our Library subscribes to more than 20 National and International Journals. In general, our library has uploaded 15000 volumes of books in 2000 titles on different disciplines like Engineering, Management, Technology and Science & Humanities in the software.

- 1.Number of computers for student access (OPAC) – 02
- 2.Number of printers for student access– 01
- 3.Internet band width/speed – 50 mbps
- 4.Institutional Repository– Students Project Reports, Anna University Previous Years Question
- 5.Banks, Faculty Publications (manuscript).
- 6.Content management system for E- learning: NPTEL, DELL NET
- 7.RFID system for book issue, return and to avoid unmarked book issue.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 4.7

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
2.5	5	2	5	9

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 99.08

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 430

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Computer Systems and Software

- Computers are updated with higher configuration as required for the curriculum and advanced Learning.
- Dot matrix printers are replaced with laser printers in all computer laboratories.
- Scanners cum printer are used in all departments.
- Updated Licensed softwares are procured and installed.

Campus Networking

- An extensive fiber optic network is established inside the campus replacing copper medium.
- The present campus network backbone is laid up to 1 Km using three manageable switches.
- There are nearly 400 no. of computers connected to this network.
- Campus networking with fiber has several distinct advantages over non-fiber applications such as:
 - (a) Networks can be extended longer distances,
 - (b) Larger amounts of data can be sent due to increased bandwidth
 - (c) No environmental disturbances
 - (d) Immunity to EMI/RFI, lightning strikes.

Internet Bandwidth:

- The college campus is provided with Internet facility by improving the bandwidth from 50 Mbps.
- Name of the Internet Provider : YouBroadband
- Available Bandwidth : 50 Mbps
- Internet facility extended to all laboratories, departments, faculty rooms and other units.
- Exclusive firewall (Cyber-Rom) is implemented and restrictions are imposed in web access to students and staff.
- Internet connectivity is available to faculty, staff, Students and guests by providing exclusive login credentials.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)**Response:** 1:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution**Response:** A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 4.58

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
26.5	31.9	14.0	73.5	70

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Physical Facilities

The physical facilities like Classrooms, Laboratories, Library and Sports Complex are made available for all the students admitted in the college. Classrooms and laboratories are maintained and cleaned daily by House keeping department. The electrical and plumbing works have been maintained by Electricians and Plumbers. Lab equipments are serviced by manufacturers and service personnel during summer / winter Vacations. Stock register is also maintained regularly.

Computers

The college has an adequate number of computers with 10 Mbps internet connections and the necessary softwares are installed for different locations like office, laboratories, library and departments. Computers are maintained by Tech Support team who ensures the proper use of the computers and IT equipments which are handled with care by the user.

Library

The working hours of the library is from 8.30 a.m to 5.00 p.m on all working days. Maintenance activities are carried out periodically to keep library clean and usable. The activities like fumigation, preservation of books from insects, dusting and shelving of reading materials on regular basis are done by the library assistants with the help of housekeeping staff.

Sports Activities

The college keeps the play field / courts clean always and in good condition during the tournaments and sports day celebrations. The Physical Education Director controls the sports equipments like ball, bat, net

etc., provided to the students and maintains the stock.

Power Supply and Electrical Maintenance

Power supply is maintained by our electricians and electric supply by the electricity board / Gensets for 24hours. Two generators are available in the campus to handle the occasional power shut down.

Green Campus

The volunteers of NSS and YRC do activities for maintaining the college campus as clean by organizing Mass Cleaning Day in regular intervals and organizing Tree Plantation camp for maintaining the campus clean and green.

Guidelines for Cleanliness

The procedures and guidelines of the institute with regard to cleanliness and preventive and corrective maintenance of infrastructure. Sanitary workers will be taking care of day to day cleanliness of the campus.

Regular cleaning as per the checklists. Regular inspection and periodic maintenance of equipment including lubrication, wherever Necessary. Preventive maintenance as per its schedules and maintenance of records. Annual maintenance of contract and maintaining record of service / maintenance Corrective maintenance and its records. Deploying old equipment on tasks of lower level utilization like computers from labs can be deployed on office work for word processing.

Laboratories Maintenance

Daily maintenance:

Lab technician checks the working condition of the equipment's/systems on daily basis.

Every day cleaning of equipments and work tables are done by the lab technicians.

Floor cleaning of labs are done on daily basis by housekeeping department of the college.

The batteries of the UPS are cleaned to remove dust and prevent corrosion.

Weekly maintenance:

Floor mopping of labs are done twice in a week by housekeeping department of the college. Maintenance of battery & UPS in Digital signal processing Laboratory and Computer Network Laboratory is carried out. The fault is identified with the help of the lab assistants; weekly maintenance report is prepared and sent to the manager for action.

Monthly maintenance:

The monthly maintenance report is generated in which the current condition of the equipments, consumables and furniture are mentioned and submitted to the principal. After checking by a scrutinizing committee, the issues identified are rectified. Every month UPS in-charge checks the water level, voltage

level and backup of the UPS. Calibrations of equipments are done and a separate file is maintained containing the reports.

Yearly maintenance:

Scrap items in the laboratories are identified with the concern of the lab in charges, HOD and inspection committee. After decision by the inspection committee members the scrap items are sent to the scrap yard.

Preventive maintenance:

The working conditions of the equipments are periodically checked. The students are given instructions in handling the equipments before doing the experiments. Laboratory manual is given to the students which include Do's and Don'ts of the laboratory, list of experiments and the procedure of doing the experiments. Stock register is maintained in laboratories and audits are conducted by stock verification committee to check the availability and working of the equipments. UPS back up is provided for all system based laboratories

Regular Antivirus software updating for proper working of the systems

Breakdown maintenance by Tech Support.

Minor repairs are carried out by the lab technicians. When there is a Major repair, service report is obtained from industry person. Approval for Service of equipments is obtained from HOD, Principal, and fault is rectified. Service register is maintained in each laboratory.

Breakdown maintenance of the personal computer is done by TECH Support Cell of the College.

Infrastructure Maintenance

Class rooms / Laboratories / Internet facilities are maintained based on the students feedback through the Class committee meetings which held 3 times in a semester. This information is conveyed to the authorities concerned and rectified.

Housekeeping

Students and faculty provide feedback on various aspects of housekeeping at class committee meetings and other occasions like department meetings, HOD meetings which are passed on to the maintenance department and problems are sorted out.

Transport Manitenace.

Institutional bus & other vehicles will be mainatined by transport floor Manager & Gen set in campus is alo maintained by this team.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 22.69

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
95	80	96	94	120

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 14.81

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
94	99	45	26	18

File Description

Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 55.87

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
195	247	250	296	220

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 50

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
215	214	183	94	71

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 9.66

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 34

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 2

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	2	0	0	0

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
36	20	14	17	19

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 62

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2018-19	2017-18	2016-17	2015-16	2014-15
10	12	22	10	8

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Social Committee

For the Co-curricular activities such as National Cadet Corps (NCC)/ National Service Scheme (NSS) / NSO / YRC, a satisfactory / not satisfactory grading will appear in the mark sheet. Every student shall put in a minimum of 75% attendance in the training and attend the camp compulsorily. The training and camp shall be completed during the first year of the programme. However, for valid reasons, the Head of the Institution may permit a student to complete this requirement in the second year.

The institution promotes value-based education for inculcating social responsibility and good citizenry amongst its student community. . These committees are active in organizing several extension activities like Tree Plantations, Blood Donation camps, School & village cleaning, Swachh Bharat campaign etc. For healthcare services, our NSS unit conducts camps in association with Lions Club, Eye Hospital, Annai Medical College Hospital, Annai Arul Hospital and Tagore Dental College in Chennai.

Technical committee

It focuses on overall growth of the students with an emphasis on academic related issues, formulated with the coordination of the departments and the institute to encourage the students to interact and share their knowledge with the outer world through their active participation in workshop/Paper

contest/Conferences/Project contest etc. The professional societies like ICI, IEEE, ISTE, IETE, SAE, CSI, student Chapters, Robotics Club, AERO club, Brahmputra Maths Club, Newtons Science Club and Shakespere English Club are functioning in the college which conducts regular programmes. In addition, every department has a student association. The technical committees helps students stay connected to the different networks and research groups as well.

Sports Committee

The Sports Committee shows leadership in organizing various sports activities on and off campus; coordinates and promotes participation of students in inter-college sports festivals; plans and organizes financially self-sustainable inter-college sports activities; ensure facilities and equipment are safe, clean, and in good, usable condition at all times. The men and women teams won medals in many sports events organized at National level and State level. Our students have won prizes in athletic events, Chess, Badminton, Cricket tournaments conducted by Anna University and other engineering colleges.

Cultural Committee

The cultural and literary association conducts cultural activities which provide an opportunity for socialization and self-assessment among the students in exhibiting their hidden talents. This committee also coordinates the annual cultural event PERISTA, the inter-collegiate Techno cultural extravaganza, consists of both ON stage and off stage events which help students to realize and showcase their talents, bringing the creativity of students to the fore. Every year, programmes such as Pongal Thiruvizha, Christmas celebration and Ugadhi, Onam celebration are organized by the cultural club. Our students participate and win prizes in many cultural competitions organized by various reputed institutes

Class Committee.

Other welfare committees such as Hostel and class committees effectively function in addressing the grievances and suggestions of the students through their representatives periodically and recetified in short span of time.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 20.2

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
21	23	25	18	14

File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

PERI Alumni Association'

Its purpose is to maintain a relationship with the alumni and to involve them in the development and growth of the parent institution. It will promote and encourage the alumni to exchange and share professional knowledge by undertaking and facilitating conferences, seminars, lectures and meetings among alumni, students, faculty and others. Continuous interaction with Alumni is expected to wider the placement opportunities of the students.

Our main objective is to establish a common platform where all the ex-students of PERI Institute of Technology can interact & exchange their views & ideas with each other. One can share your Technical, Industrial experiences, suggestions for improvement of PERI Institute of Technology. To aid fresh graduates in on-campus and off-campus recruitment by providing information about the openings and career guidelines.

The first alumni meet was conducted on 1st August 2015. Valuable feedback, ideas and views were shared in that meet. All the Heads of the departments, placement officer & Exam cell coordinators were present and welcomed all the PERIIAN Alumina. Principal Dr.R.PalsonKennedy initiated the meet to organize & conduct in the PERI Campus.

PERI Alumni Association's purpose is to maintaining relationship with the alumni and to involve them in the development and growth of the parent institution. It will promote and encourage the alumni to exchange and share professional knowledge by undertaking and facilitating conferences, seminars, lectures and meetings among alumni, students, faculty and others. Continuous interaction with Alumni is expected to wider the placement opportunities of the students.

Our main objective is to establish a common platform where all the ex-students of PERI Institute of Technology can interact & exchange their views & ideas with each other. One can share your Technical, Industrial experiences, suggestions for improvement of PERIIT. To aid fresh graduates in in-campus and off-campus recruitment by providing information about the openings and career guidelines.

Kindly register your details by writing to alumni@peri.ac.in or contact Mr. Sebastian Assistant Professor who is in charge of the Alumni.

One of the Alumni addresses to the Gatherings on the Alumni meet held during 2015-16



Alumni activities with Institute along with students as follows

1. Providing a forum to establish link between the alumni and faculty to accomplish interaction with past and present students of this Institute.
2. Providing scholarships and financial aid for the needy and deserving students of the Institute.
3. Upgrading the existing facilities of the Institute and also to helping to improve the quality of education as per requirement of industry and society with the involvement of the alumni.
4. Conducting academic meets such as conferences, workshops, seminars, symposia, lectures by eminent personalities for the Members as well as for the present students and/ faculty and staff of the Institute on various current subjects / topics of interest and relevance.
5. Organizing industrial trainings, internship programs, projects, employment opportunities and other resources and facilities for career advancement to the Members and the Student community in various companies / organizations / institutions of repute through the Alumni.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: D. 1 Lakhs - 3 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

NVAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Vision

PERI Institute of Technology has a vision to be an internationally recognized seat of higher learning in engineering, technology & science. PERI also visualizes being a research incubator for academicians, industrialists and researchers from across the world.

Mission

PERI Institute of Technology will endeavour to emerge as a premier technical institution in the country by

- Providing state-of-the-art infrastructure facilities to achieve excellence in teaching-learning, Research & Development.

- Aligning with leading industries to create competent engineers through internships and placement focused training.

- Create an environment which is conducive to learn skills which will solve pressing issues along with foundation in moral values and ethics.

The Founder Chairman, Mr. Saravanan Periasamy had the vision of serving the student community through the pursuit of professional excellence in the corporate and entrepreneurial path to success. His vision has been the guiding beacon in the functioning of the institution. The Chairman is the leader in guiding the administration of the institution and making the council of Principal, faculty and students work towards the vision of the institute. Based on the recommendations of the Governing Council, the commencement of new courses, expansion of infrastructure, implementation of strategy and other vital decisions are approved by the Chairman and implementation process discussed with the Principal and Heads of the departments for execution. The top management headed by the Chairman ensures that periodical meetings of the Governing Council are conducted to monitor the progress.

The institution has an ambitious plan for development. Modernization of the existing facilities, implementation of new ventures for R&D, expansion of infrastructure by means of laboratories, library resources, class rooms, meeting halls and sporting facilities are the usual criteria in the annual plan of the institution. The academic plan (semester wise) is prepared by the Principal after having discussions with the HODs. The scheduling of industrial visits, conferences, workshops, seminars, FDPs, association activities, club activities, sports tournaments, recruitment and functions is done after having discussions with the HODs, conveners and team leads.

The head of the institution takes decisions in the academic frontiers in tune with the regulation of the affiliating Anna University. Regular affairs are the periodic discussions of the Principal with the HODs as

well as with the faculty members. The Chairman conducts regular meetings with the Principal and HODs and review it and further gives instructions to upgrade the standards. Faculty meetings with the HOD play a pivotal role as the collective suggestions are well analyzed later in the HODs meetings with the Principal. Principal's subsequent meetings with the top management and with the Governing Council ensure that all the information and suggestions reach from bottom to top and from top to bottom in a smooth fashion. The travel of smooth communication paves way for successful interaction, feedback, team work and new ventures. Organizational changes are effectively implemented not only based on needs but also in view of excellence.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

The Effective Leadership & decentralized governance

The institution functions with the method of decentralized governance system.

Top-level managers are responsible for controlling and overseeing the entire institution. It includes the Chairman, Governing council and Principal. The Governing Council supports the Chairman with regard to broad guidelines, policies and framework for the improvement of quality education in the institution. The management through the Principal & VP involves the faculty members in various activities related to the development of the Institution.

Middle-level managers act as an intermediary between top-level management and low-level management. It includes Vice-Principal, Head of the Departments (HOD), Librarian, Physical Education Director who are executing institutional plans.

Low-level managers include faculty, non-teaching staff and others help the middle level managers by coordinating the activities delegated to them. In all academic and non-academic activities, and implement it

Participative Management :

The head of the department has been bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members. The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing conferences, symposiums, guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, internships and MoUs. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the class committee meetings, department meetings, faculty meetings, HODs' meetings with Principal and

HODs meetings with Chairman. The Principal coordinates with the departments, administration and management.

Every year, the Academic Planner is prepared at the closure of the previous academic year. Principal will convene the HODs' meeting. HODs, Placement Officer, Librarian and Director of Physical education will attend the meeting. The schedule of the following will be discussed and finalized in accordance with the schedule received from affiliating university.

Re-opening for the next academic year Working days / test days / model exam days Department Symposium /Association activities

Delegation of Financial powers to Principal, HOD's & others

The authorities competent to accord financial sanction to the purchase of apparatus and equipments, tools and plants, spares parts, consumables, stationery items etc. along with financial limits are indicated against each below:

Sl.No.	Category	Chairman	Principal	Directors/H
1	Purchase of Apparatus, Equipments, Tools & Plants + Consumables	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs time.
2	Purchase of Stationery items	Full powers	Up to Rs 15,000/- at a time.	Nil
3	Purchase of Books, journals, periodicals and Charts etc	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs time
4	Expenses on guest lectures, Seminars, FDP, workshop, Conferences, and other academic related activities	Full powers	Up to Rs 1,00,000/- at a time.	Up to Rs time.
5	Expenses on Service and maintenance of equipments .	Full powers	Up to Rs 25,000/- at a time.	Nil
6	Expenses on Transport	Full powers	Nil	Nil
7	Expenses on Medical Emergencies	Full powers	Up to Rs 15,000/- at a time	Nil Up to R time

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Strategic Plans :

PERIIT has number of **strategic plans** for implementation and achieves excellence in all facets such as academic, placements, Projects, Training and research. In order to attain **National and International standard in Engineering**, institution needs a freedom for curriculum design which could be done only after getting *Autonomous status*. Hence the management council along with academic council has a strategic plan which includes getting **NAAC /NBA accreditation** and Permanent Affiliation for all UG programs. Research activities have been established through *Centre of Excellence* in different fields like IOT, Robotics,AERO etc. Personality Development Program for students, Faculty Development Program (FDP), research and consultancy projects are planned and will be executed to achieve the goal as recommended by IQAC.In addition to that, motivate students to become entrepreneurs through EDC.

Perspective Plan & Enhancement of Infrastructure

The management council monitors the performance and the progress of the institute to ensure the fulfillment of the goals. To ensure consistency in academic excellence, up-gradation of facilities in needed spheres is the standard agenda in the council meetings. Resolutions are made as per requirements and they are implemented to enrich teaching - learning process in a broader perspective.

The institution had a humble beginning with one lecture (Beta) block and year after year the institution is witnessing upward journey in creating and expanding infrastructure facilities. The institution is now functioning with several blocks. At PERI, the quality of student experience is our main priority. We seek to ensure that our students benefit from a high quality learning environment that includes spacious air conditioned classrooms, well-equipped laboratories, state-of-the-art computing facilities, rich and diverse knowledge resource centers, smart classrooms, first class sporting facilities with indoor and outdoor complexes, practice and rehearsal halls for cultural activities, feel at home hostel accommodation facilities and extensive facilities for on-campus training and placement.

Deployment of Plans

The quest for enriching the facilities goes beyond the mandatory facilities to execute activities like a few cited below.

- Entrepreneur Development Cell (EDC)
- Center for Higher Studies (covers area/ classrooms for training for UPSC Exams, GRE, TOEFL and others)
- Research and Development cell
- Centre for Soft Skills and Latest Trends
- Drone center of excellence
- PERI Cultural center
- Placement and Training Cell
- PERI centre for innovation and learning
- Robotics and IOT Club
- Club Activities Discussion Rooms
- Practice Rooms / Green Rooms (for Boys and Girls Separately)
- Retiring Rooms (for Boys and Girls Separately)
- Smart Class Rooms
- Video /Webinar halls

Self learning practice introduced in this institution for G & T Students.

In order to encourage self Learning , Gifted & Talented student learners are encouraged to study their area of interest on self-learning basis by attending experiment sessions in the Centers of Excellence.

As an evidence of success, PERIIT students develop the products and startups that are relevant to social and technical importance. Many students have participated in the Smart India Hackathon, Formula Car Design, e-Vehicle, Automated Guided Vehicle, World Skill Competition, Code Thantra, and Code Gladiator. More than 250 students successfully got NPTEL certificates.

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.**Response:****Functions of Governing Body .**

The receptive management stands as an asset to the system and stakeholders. The Governing Council takes the responsibility of monitoring the implementation of activities in the institutional strategic plan. Though a few vital goals are achieved within a short span of time, the council of top management, Principal, HODs, teaching, non-teaching faculties, students and stake holders work as a team to reinforce the culture of excellence. Excellence in every sphere is ensured not only through the mission and strategies, but also in various programmes executed. The below is the list of pivotal activities.

- Adopting procedures for contemporary teaching learning processes
- Monitoring the procedures and Progress by the HODs & Principal
- Analyzing the feedback from students, Parents and experts
- Understanding the above said feedback and improving services

Administrative Setup:

Principal is the chairperson of administrative and academic activities of the institution. Heads of the departments take the responsibility of heading all the administrative and academic activities of the department. The HODs possess both the academic and the financial autonomy in accordance with all academic aspects. They are entitled to take decisions as per the needs of the situations in exigencies and get them ratified by the Principal subsequently at a later stage. The Principal, HODs and Team leads are sanctioned imprest amount, for seeing the execution of multiple events scheduled. Based on the experience and the expertise of the faculty members, team leads have been identified to lead different teams which are

functioning effectively. They can act spontaneously for moulding the members of their teams and they have been identified as second rung leaders.

Appointment and Service Procedures :

Recruitment of teaching, non- teaching and office administration staff is planned at the end of every academic year as per the requirements of the next academic year. It is been carried out as per service rules and procedures of PERI. Staff appraisal system is in existence in tune with the promotional policies. The grievance redressal mechanism helps us to serve better by understanding the expectations.

Grievance Redressal Mechanism

Enquires the issues from representatives of the students forwarded by the HOD via Vice principal to Principal. Conducting enquiry meetings with members and fix date for the enquiry for getting the feedback from Students. Send intimation to the applicant and related individuals and providing opportunities to them to convey their versions. Interacting with discipline committee, Anti-ragging, Sexual Harassment Committee, Hostel and Mess committee if required to solve the issue or complaint registered. Parents also to be intimated to attend scuh meetings. Submitting the report of the committee to the Principal for further action. It may further sent to affiliating University for further action if the problem is very serious.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Welfare measures for teaching staff

- Free transport facilities
- Maternity leave
- Supporting for education of the children of the teachers in the group institutions Medical Support
- All the faculty members who upgrade their research work through quality publications during the academic year are honored by management and institute through research incentive scheme every year.
- Marriage gifts with the sanction of 10 days leave
- Gifts and mementoes during various celebrations
- Sponsoring for attending conference, workshops and FDPs
- RS.10,000 Cash prize awarded for the faculties producing 100% in AU exam as academic excellence
- Subsidised canteen fare for teachers
- Supporting faculty for Higher studies,ODs granted for PhD Scholars .

Welfare schemes for non-teaching staff

- Marriage gifts with the sanction of one week leave Granting maternity leave
- Medical Support
- Free transport facilities
- Subsidised canteen fare for non-teaching staff

PROMOTIONAL PROCEDURES

ELIGIBILITY:

The HOD shall be asked to prepare a list of all qualified and eligible candidates for promotion as Assistant Professor, Associate professor and Professor in the month of 31st July every year. The HOD shall also request the faculty members to submit an annual performance appraisal report from various departments, along with the personal remarks of the HOD for each individual. The qualification and experience to become eligible for promotion are the same as given in chapter 2 for direct recruitment.

SCREENING COMMITTEE:

A Screening Committee will be constituted with the following Members:

- 1.Chairman
- 2.Advisor
- 3.Principal

4. Director or HOD concerned

SELECTION PROCEDURE FOR PROMOTION:

The Screening Committee will review the performance appraisal, academic performance and other capabilities of each candidate and personally interview the candidates. The Committee, based on the above factors, shall prepare a list of candidates recommended for promotion in the order of merit and submit for approval. The list will be placed before the Governing Council along with the Service Register of the individuals for approval. The approved candidates shall be promoted.

MOTIVATIONAL INITIATIVES-

INCENTIVES TO PURSUE HIGHER EDUCATION

Faculty members are encouraged to join M.E. / M.Tech / Ph.D. programme under the following scheme.

1. M.E. / M.Tech Part-time – Evening class.
2. M.E. / M.Tech Part-time – Week end days classes
2. Ph.D. – Part-time programme.

O.D. FACILITIES TO PURSUE HIGHER EDUCATION

1. M.E. / M.Tech – O.D. to attend class on week end Saturdays
2. M.E. / M.Tech – O.D. to write University Exam on week days.
3. Ph.D. – O.D. to attend course work on week days and to attend conferences.
4. Reduced work load for teachers pursuing P.G./ Ph.D program

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 6.68

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
11	24	7	6	3

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 4.6

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	6	6	4	2

File Description	Document
Upload any additional information	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 7.68

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
15	23	10	6	4

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

Performance Appraisal Systems:

The appraisal system is developed in such a way that it motivates each faculty member to willingly involve themselves in each criterion to improve their individual scores. Most of the appraisal criteria are financially supported by the college management system so that faculty can improve their professional career.

The following factors are deeply analyzed in the appraisal system for teaching staff

- Experience
- Skill upgradation through participation in Conferences, Workshops, Faculty Development Programs and others
- Innovative teaching practices
- Pursuing higher studies (Ph.D, PDF)
- Result percentage produced in the University Examination
- Publication works in the Scopus indexed / impact factor / e - journals & conference proceedings
- Publication of chapters in books and publication of books
- Mentoring and Counseling methods
- Contribution to Institution and Department
- Feedback from HOD and Principal
- Feedback from students
- Active participation in team work
- Undertaking new academic ventures and being team leads
- Rewards for outstanding achievements in their studies pursued after joining the institution

The following factors are deeply analyzed in the appraisal system for non-teaching staff

- Experience
- Skill upgradation through Orientation Programs, Refresher Course, Short Term Courses and Faculty Development Programs
- Higher Studies
- Feedback from HOD and Principal
- Active participation in team work Work Discipline
- Outstanding Achievements in their studies Participation in Community services

PROMOTIONAL PROCEDURES

ELIGIBILITY:

The HOD shall be asked to prepare a list of all qualified and eligible candidates for promotion as Assistant Professor, Associate professor and Professor in the month of 31st July every year. The HOD shall also request the faculty members to submit an annual performance appraisal report from various departments, along with the personal remarks of the HOD for each individual. The qualification and experience to become eligible for promotion are the same as given in chapter 2 for direct recruitment.

SCREENING COMMITTEE:

A Screening Committee will be constituted with the following Members:

1. Chairman
2. Advisor/Director
3. Principal
4. VP or HOD concerned

SELECTION PROCEDURE FOR PROMOTION:

The Screening Committee will review the performance appraisal, academic performance and other capabilities of each candidate and personally interview the candidates. The Committee, based on the above factors, shall prepare a list of candidates recommended for promotion in the order of merit and submit for approval. The list will be placed before the Governing Council along with the Service Register of the individuals for approval. The approved candidates shall be promoted.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization**6.4.1 Institution conducts internal and external financial audits regularly****Response:****Internal Audits:**

Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects. External Audit is done by the Statutory Auditors after 30th June of the subsequent year.

During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts is preserved. The consolidation of the findings of the Institutions with Trust office has been completed and the annual returns have been submitted to Income tax Authorities and to the other relevant authorities concerned.

External Audit:

Subsequently, External Statutory Audit is conducted by the auditors and the final audit report with audit findings are submitted to the Management. The consolidation of the findings of the Institutions with Trust Central office has been completed and the annual returns have been submitted to Income tax Authorities, Registrar of Societies of Tamil Nadu and to the other relevant authorities concerned.

File Description	Document
Upload any additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 7

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
4	3	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Mobilization of Fees Collections

Students are admitted as per the Tami Nadu Government prescribed Higher Education norms by admitting 65% of students through Anna University Counseling (TNEA) and 35% through Consortium of Self Financing Professional, Arts and Science Colleges in Tamil Nadu. The latter kind are admitted with the Fees higher than Government Quota students.

Term Loan and Hire Purchase Loans

Institute is getting above Loans from Banks with reduced rate of interest by maintaining the liquidity, DSCR and Debt Equity Ratios which are sound and the Loans are availed through PERI Educational Trust

Government Grants and Sponsorship Receipts

Institute is getting Grants from various Government Bodies i.e. AICTE, IEDC, DST, Ministry of Drinking water and sanitation and Entrepreneurship Development in Indian Encouraging Trends etc. and the grants are judiciously utilized to meet the recurring and non recurring cost.

Non Government Bodies and Sponsorship Receipts

Donations are received from well wishers (alumni and others), industries, individuals and philanthropists for institutional activities.

Corpus Donation of Trust and Trust Contribution

The College is functioning under the PERI Educational Trust at No 1, Near West Tambaram, Mannivakkam, Chennai - 600 048. The Trust gets corpus donations from well wishers, corporates and philanthropists.

Optimal Utilization Recurring Expenses

Salary to staff, academic activities and payment of bank interest are done with fees collection.

Infrastructural development facilities and Building construction works

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well wishers and philanthropist are judiciously utilized for the same.

College purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges.

Research and project activities

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institute is committed to provide excellence in research.

Seminars, Conferences and Faculty Development Programmes and other co-curricular

The institute conducts the above said regularly and religiously matching with the latest technology, innovations, research, changes and needs for the society. It generates the fund from researchers, industries, Government bodies, & from AICTE to conduct the National & international Events.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

IQAC Quality Assurance Strategies :

The IQAC focuses on the continuous improvement of the examination system for the students. There is a centralized examination cell to conduct the unit tests and the model examination (Unit test for a period of 1 hour and 30 minutes with 50 marks and the model examination for a period of 3 hours with 100 marks). Introduction of three question paper per course

The examination cell has been functioning effectively and the staff handling the subjects prepares one question paper for each subject and hands over the same to the examination cell, examination cell allots the invigilators and the invigilators in general are from different departments.

After monitoring the progress of the students, the management introduced a re-test procedure for slow learners; a separate question paper is prepared for retest and the slow learners are thus given another chance to improve performance.

This system is being further improved by the recommendations of the IQAC cell and currently, there is a practice of submitting three question papers per course by the staff handling the course to the examination cell.

The examination cell in charge select one of the three question papers at random and the same is given on the day of unit tests, model examination and from the remaining two one is chosen for the corresponding retests.

The preparation of multiple question papers for one course with a few repeated questions enables the students getting exposed with more number of possible questions for their end semester examinations, which in turn improves their performance in the university examinations.

Pre Final year and Final year project exhibition

The management is very much concerned about the quality of projects the students undertake during final year.

The IQAC suggested that the students can plan their projects in the pre-final year. A mini project exhibition is conducted by the departments of CSE, ECE, EEE, Mech and Civil in the sixth semester.

For the mini project the students have to present two reviews and marks are awarded by the project guides for the reviews. It has been made compulsory for all the students to undertake a mini project, even though it is not a part of the syllabus of the affiliating University.

The third review is presented by the students in front of the judges and prizes are distributed for the winners during the mini project exhibition. Prizes include merit certificates and cash awards and participation certificate for all participants.

This is an initiative taken by the IQAC for doing a quality project in the final year. Apart from this mini project exhibition, there is a project exhibition in the eighth semester in which the students of all departments exhibit their projects.

Experts are invited from Industry and Academic institutions to judge the projects exhibited by the students. First three prizes are awarded for each department and this creates a healthy competition among the students and to go for socially relevant and innovative projects.

File Description	Document
Upload any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

IQAC conducts internal academic audit twice in a semester and takes appropriate remedial actions to improve the quality of technical education. As Faculty plays a major role in providing quality technical education, review of quality of the faculty member is done twice, one at the beginning of the semester and other at the end of the semester to improve the teaching learning process.

It insists faculty members to participate in faculty development program, workshops, conference and research. Faculty members must attend FDP in order to be abreast of the recent trends in technology and create an environment to appraise the students with new technologies. It then audits whether the faculty members incorporate suggested improvements to ensure quality deliverables. Faculty members must match up the pace of their deliverables to meet the students' requirements. Lecture plans must be scheduled to complete syllabus in time. IQAC analyze the results of internal assessment examination of all subjects and guide the concerned faculty members to improve the pass percentage of students.

During the audit of course files,

University syllabus and lesson plan of the corresponding subjects are verified.

Hand written notes of the corresponding subjects are verified.

Three years previous university question papers along with question bank are verified.

Assignment topics and Tutorial questions are checked.

The log book and track record of the lab sessions are verified at the end of the semester.

The syllabus coverage of the theory / lab classes are verified periodically

The following activities to be monitored and controlled by the committee .

1 Activities before beginning of classes

a. Submission of staff requirement (if any) request to the Principal

b. Electives selection from the students

c. Collection of Subject willingness from faculty

d. Subject assignment to faculty members

e. Audit of course files

f. Lab manual preparation

g. College level calendar of events

h. Departmental calendar of events

i. Time table preparation

j. Audit data book transfer'

k. Notes of lesson submission

2 Activities after commencing of classes

a. Students' attendance

b. Quality of Class room teaching (theory and lab courses)

c. Performance of students in Internal Tests and actions initiated for poor performance

d. Students Counselling activities

e. Information on attendance and IA marks to besent to parents / guardians

f. Time table for internal and university examinations

g. University preparation Class monitoring

h. Performance in End Semester Examinations and compares with previous semester to improve the same.

Improvements in Quality of classroom teaching

The following innovative teaching methods are suggested to improve the quality of teaching and audits whether the suggestions are being carried out. Smart Board, LCDs and animated videos etc. must be used for teaching purposes. Guest lectures by the industrial experts and Academic institutes of national and international repute must be organized. NPTEL & COURSE ERA videos and internet sources like Thor, virtual labs and webinars must be used to improve the effectiveness in teaching.

Improvements through Students Feedback

IQAC collects feedback from students and takes appropriate action.

Two feedbacks are collected from the students, one oral feedback on the 10th working day and the second is an online feedback in middle of the semester.

In the online feedback, all the students are required to fill a feedback-form apprising the faculty using a scale of 5 (high) through 1 (low).

Lecture classes are monitored by senior Professors and head of the Department and give feedback. Based on all the feedbacks, IQAC give constructive comments to improve the quality of teaching and the teaching- learning process.

Practical sessions to conduct Experiments in Laboratory

Before the commencement of the semester, the Faculty handling the laboratory course prepares the model lab record after conducting all the experiments as per the procedure. All the students are advised to complete the experiment and record work in the respective class itself. And so on.

Video Classes and other courses

- Other than smart class rooms lectures, videos are played for specific topics beyond the syllabus but related to the latest technology in the respective domains.
- Through these video classes students are exposed to have a thorough understanding of the processes through visual means with maximum impact and this encourages them to focus on their project work too.
- A regular schedule for proper utilization of the projectors indicating the date, time, branch and year of study is prepared at the beginning, so that all the students are benefited through video sessions.
- The students and faculty members are encouraged to register for the NPTEL (National Programme on Technology Enhanced Learning) online courses initiated by IITs and IISc. If a registered candidate (staff or student) scores above 80% in the final examination, the management repays Rs.500/- and Rs. 1000/- for those who score more than 90% towards the examination fees paid by them.

- This is a very good motivation from the management to the staff and students. The idea of repaying the fees is put forward by IQAC to the management.
- The IQAC is instrumental in implementing new ventures for enabling the learners, acquiring knowledge beyond the syllabus.

Teaching beyond the syllabus

- The teaching learning process is continuously monitored and reviewed by the Head of the departments and reported to the Principal and the management.
- Apart from the regular class room lectures by the faculty members for each course, students are given opportunities to attend the guest lecture from industrial experts in the smart class rooms.
- The contents of this type of lecture are beyond the syllabus and they expose the industry requirement to the students. This lecture facilitates the students to know in depth about the industry requirement and the necessary skills they should equip with for placement.
- The interactions with industrial experts narrow down the gap between the institute and the industry requirement which helps the management in identifying the necessary soft skill development required for the students.
- Placement training is done through online tests introduced by the management with a view to help the students for better placement.
- Faculty members are trained on the same before implementing it to the students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

NVAAC

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Gender Equity

Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., and so gender issues do not arise.

Girls and boys participate in various co-curricular activities such as paper presentations, organization of contests, group discussions and technical quiz programmes.

Both boys and girls are made members of various clubs associated with academic, co-curricular and extracurricular activities.

All facilities are provided in the campus to ensure that both the genders are able to utilize all the infrastructure and opportunities for their development.

Out of 201 teaching staff 98 are female staffs.

1. Gender equity promotion programs

Number of gender equity programs organized by the institution during the last five years

2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	2	2

Titles of the gender equity programs organized by the institution during the last five years

Year	Title of the programme	Date and Duration (from-to)	Num parti
2014-2015	Women's day	03/10/15	2
2015-2016	Women's day	02/03/16	2
2016-2017	Women's Entrepreneurship	03/08/16	1
	Workshop on " breast cancer awareness day 2017"	10/01/17	1

2017-2018	Women's day	03/08/17	1
	Workshop on "Safety & Security of female in Cyber World"	26/08/17	1
	Induction of "Women Empowerment Cell"	30/11/17	1
2018-2019	Women's day	03/08/18	1
	Women's Forum	31/08/18	1
	Women's day	03/08/19	1

Gender sensitivity

Gender sensitivity ensures that women and men enjoy the same status and have an equal opportunity to exercise their human rights and realize their full potential, especially young women. To promote the gender sensitivity, Women's club is open to female faculty, professional staff and girl students. Several programmes under gender sensitization were conducted on various topics such as Personal hygiene and Women's day which create awareness and aims at changing behavior of students by enabling their comfort in the study spot, work place and also ensuring professional growth. A team of faculty is available for mentoring the students with depression, psychological problems and even gender related issues. Counseling can offer students a space to talk and think about problems and difficulties, and many find it helpful to be able to do this with someone who is not a friend or family member. Counseling is not about giving advice, but can help the faculty to understand the difficulties of students. Faculty can help students to make decisions and changes that may work better. Separate common room is available for students. If the students suffered by health issues, college has the medical facility. Students are encouraged to participate in the NCC and a separate NCC group for girls.

Counselling: We assign 10-15 students to every faculty for mentoring. The students are provided with professional counselling three -five times per semester, before and after every internal assessment and during university preparatory classes. Personalized counselling is provided with the help of Psychiatrist for the specific needs and problems of the girl students.

Annual Plan of number of gender equity programs like Women's day program, Yoga day program, Women's forum will be conducted for the next five years.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: D. 1 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Waste Management

Solid Waste Management

At PERI Institute of Technology, the solid waste are collected and segregated as degradable and non-degradable waste and it is transported to the nearest municipal waste collection area through trucks.

Proposed management of Solid waste:

Solid wastes are collected daily and dumped in pits excavated for this purpose inside the campus area and allowed to decompose. At a later date, this is dug out and used as manure for gardening.

Waste audit 2019 details

Locations

- Class rooms,
- Staff rooms,
- Laboratories
- Common Areas
- Canteen Mess/Dining Hall

Equipments Used

- Garbage Bags
- Rubber Gloves
- Face Mask
- Weighing Machine

Procedure

1. Instructional Meeting with students
2. Garbage collection inside campus
3. Sorting out different kind of wastes
4. Weighing each kind of waste
5. Data
6. Results and Proposal

Solid waste management

S.No	Type of waste	Weight (kg)
1.	Food waste	23.05
2.	Paper Waste	2.79
3.	Plastic waste	6.96
4.	Tetra pack/Tea cup	1.2
5.	Metal	4.3
6.	Glass	0.9
7.	Yard	0.6
8.	E-Waste	-0
TOTAL		39.8

b. Liquid waste management

At Peri Institute of Technology, Waste water from college is cleaned and the recycled water is diverted to garden to maintain plants inside the campus.

c. E-Waste Management

At Peri Institute of Technology, Old computers and its accessories are sold as scrap to the local firm designated as authorized buyer by the **Tamilnadu pollution control board**.

d. Plastic Waste Management

At Peri Institute of Technology, Plastic waste are collected periodically and handed over for recycling to a local firm designated as authorized buyer by the **Tamilnadu pollution control board**.

Waste Management Initiatives – Additional Information

- Lab records, reports etc. are reused. Metal, wooden waste and other paper waste will be collected by maintenance department and disposed as scrap.
- E-waste is kept aside in all the departments for the proper disposal and the components which will be useful are kept safely for the future purpose.
- Non-working computers, monitors, and printers are discarded as scrapped.

File Description	Document
Any other relevant information	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell / Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: C. 2 of the above

File Description	Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance

and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Institutional efforts

Initiatives in providing an inclusive environment to the local body by providing free food for 50 candidates daily to the orphanage in Mannivakkam. This is been done right from the inception of college Hostel . In addition to that food wastage is supplied to Pig form in Veerapuram Village. Moreover Institute provided financial support to the local panchayth board to lay tar road.

Five number of villages in and around Mannivakkam were adopted by PERIIT under UBA Viz

1.NADUVEERAPATU

2.PAZHANTHANDALAM

3.KOLAPAKKAM

4.KATTANKALATHUR

5.OTTERI EXTENTION

At the beginning of the program a survey was conducted at the adopted villages regarding the problems. The volunteer took a overview of the villages and the studied the depth of the problems.

Major problems which are faced by them are the Improper drainage system, improper disposal of plastics, lack of cleanliness in worship places, water tanks and lakes.

We noted the problem and the rectification process started with the cleaning of surroundings including water stank ages and followed by disposal of plastic accumulated in the public places. For the proper disposal of waste garbage bins were issued. Lakes and ponds were cleaned from the flowing garbage's. Awareness about the recent government schemes were done. These were done till date and in further we are planning to steps to rectify the upcoming and existing problems in the adopted villages.

Implementation of Harmonised Guidelines and standard for barrier free built Environment for person with disability and for Elderely persons.

1. Wheel Chairs provided for them.
2. Ramp is provided in entrance of the buildings.
3. Special toilets provided in all buildings.
4. Seat reservation is provided in admission & college programs.
5. Lift provisions is to be provided in future.

PERIIT respecting people from all backgrounds and cultures. By teaching our students the importance of this we can create a much more tolerant and understanding environment, not just in the classroom and college but also in wider society.

An inclusive classroom can only be successful when all students feel they are truly part of the student community. This happens in PERIIT through open, honest discussion about differences and understanding and respecting people from all abilities and backgrounds. An inclusive environment is one where everyone feels valued.

Human Values and Professional Ethics			
Year	Sl.No	Title of the Programme/Activity	Duration (from-to)
2014-15	1	Culturals and Sports day	7/12/2014
	2	Eye Check up Camp	4.1.2015
2015-16	1	1st Alumni Meet	8/1/2015
	2	Culturals and Sports day	8/8/2015
	3	Blood Donation Camp	3/12/2016
	4	Manneswarar Temple Cleaning	18/03/16
2016-17	1	Vigilance Awareness Week (NSS)	11/16/2016
	2	Culturals and Sports day	2/25/2017
2017-18	1	INTERNATIONAL YOGA DAY CELEBRATION	6/16/2017
	2	Blood Donation Camp	7/15/2017
	3	Culturals and Sports day	8/5/2017
	4	One day Seminar on Women Self Empowerment	11/30/2017
2018-19	1	ENTREPRENEURSHIP AWARENESS CAMP	9/10/2018
	2	Teachers Day Celebration	9/15/2018
	3	Seminar on "Women Self Empowerment"	3/8/2019

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

Constitutional Obligations:

PERIIT imbibe a basic sense of social responsibility and sensitize students to social causes and issues, so that they are not just efficient inside the class but also act responsibly outside of it. Social responsibility

means maintaining equilibrium between various sectors of the society, economically and otherwise. It also means contributing towards environmental welfare, which is crucial to our survival. Hence we motivate and conduct several camps, programs, workshop & Marathon. Our students actively participate in blood donation camp, temple clean camp, NSS camp, Survey camp, Eye Check up & rotarct camp. Also participate in Marathon run to promote healthy India. Planting saplings in near by villages. In addition to that, we have adopted five village in our surroundings through UBA and made a detailed survey. Identified the problem and the rectification process started with the cleaning of surroundings including water tanks and followed by disposal of plastic accumulated in the public places. For the proper disposal of waste garbage bins were issued. Lakes and ponds were cleaned from the flowing garbage's. Awareness about the recent government schemes were done.

The institute believes that such events and causes provide student a wholesome education. "The social sector is certainly something we have always given priority to and therefore we like to sensitise students to issues around them

These events raise and spread awareness among their students which is very much part of their 'need to know'. Engineering students, must be aware of social issues. Students educated to send relevant social messages only. The media is not just an entertainment platform. It is also used to educate and we hope that by sensitising students they will make more social relevant and meaningful content that is valuable. Overall, PERIIT plays a substantial role in bringing students in to responsible Citizen. The Institute currently offers a range of scholarships for under privileged students across specialization and they are working on raising more.

Human Values and Professional Ethics

7.1.9: Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties

Year	Sl.No	Title of the Programme/Activity	Duration (from-to)	Number
2014-15	1	One-Day Free Eye Testing Camp	29/11/14	100
	2	Ist Blood Donation Camp	3/12/2015	156
2015-16	1	2nd Blood Donation Camp	3/12/2016	205 (19)
	2	Temple Clean-up Day	18/03/16	183
2016-17	1	Vigilance Awareness Week (NSS)	11/6/2016	100 NS
	2	One day plantation tree camp in adanur village	13/9/2016	43
2017-18	1	Internation Yoga Day	6/16/2017	Staff- 3
	2	Blood Donation Camp	7/15/2017	78
	3	One day Seminar on Women Self Empowerment	11/30/2017	100
2018-19	1	ENTREPRENEURSHIP AWARENESS CAMP	9/10/2018	157
	2	Seminar on "Women Self Empowerment"	3/8/2019	110
	3	6 days NSS camp temple cleaning programme	23/12/2019 to 29/12/2019	Staff- 3

	education awarness and plantation in Athanur village		
File Description		Document	
Link for details of activities that inculcate values necessary to render students in to responsible citizens		View Document	
Link for any other relevant information		View Document	

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: D. 1 of the above

File Description		Document	
Code of ethics policy document		View Document	

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Institution celebrates / organizes national and international commemorative days, events and festivals

PERI Institute of Technology organizes various activities to increase consciousness about national identities and symbols, Fundamental Duties and Rights of Indian citizens and other constitutional obligations.

On January 26 and August 15, flag hoisting and patriotic speech on remembrance of freedom fighters are given to motivate the students. The events like Swachh Bharat and campus cleaning were organized by college NCC and YRC Volunteers.

	Human Values and Professional Ethics (10)			
	7.1.11 The institution plans and organizes appropriate activities to increase consciousness about Duties and Rights of Indian citizens and other constitutional obligations (1)			
Year	Sl.No	Title of the programme/Activity	Duration (from-to)	

	2014-2015	1	Independence day	15th August 2015
		2	Republic day	26th January 2015
		3	First aid and fire safety training	16th Oct 2014
		4	Road safety program-NSS	24th Sep 14
	2015-2016	1	Independence day	15th August 2016
		2	Republic day	26th January 2016
		3	International yoga day	21st June 2016
	2016-2017	1	Independence day	15th August 2017
		2	Republic day	26th January 2017
		3	Tree plantation drive	12th January 2017
		4	Blood donation camp	06th Feb 2017
		5	International yoga day	21st June 2017
		6	First aid and fire safety training week	Aug 16th - Aug. 23rd
		7	National Yoga Championship	05th May 2017
		8	Women Empoverment	30th Nov 2017
	2017-2018	1	Independence day	15th August 2018
		2	Republic day	26th January 2018
		3	International yoga day	21st June 2018
		4	Women's Day	08th March 2018
	2018-2019	1	Independence day	15th August 2019
		2	Republic day	26th January 2019
		3	International yoga day	21st June 2019
		4	Intellectual Property Rights	03th August 2019
		5	Women's Day	08th March 2019
		6	International Youth Day	12th August 2019
		7	Engineers Day	15th Sept 2019

File Description	Document
Link for Geotagged photographs of some of the events	View Document
Link for any other relevant information	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

TWO BEST PRACTICE BY PERI INSTITUTE OF TECHNOLOGY : I-SDE , II -iGuru

1. Title of the Practice :

I-Skill Development for Increasing Employability and to promote Entrepreneurship among students.

2. Goal: Enhance quantitative and aptitude ability of the students. Improve their ability to express their views and ideas without any fear.

Help them to enhance their analytical and logic building ability, there by programming becomes a habit. Ensure that they use good vocabulary so that communicating with international clients will not be a problem. Inculcate self-learning as part of their routine learning activity. Involving students in entrepreneurial activities.

3. The Context:

A decade ago recruiting companies gave a feedback that students were technically good but need to be trained for (communication) soft skills. That motivated us to go in for a plan of action and started organizing training programs for soft skills.

Couple of years ago on interaction with recruiters we came to understand that students need to be introduced to recent technologies, as they are not part of curriculum. Hence by collaborating with various industries we have formed Centre of Excellences for different technologies.

Last year companies stated that graduate engineers are expected to be productive from day one and whatever may be the stream of study, the students are expected to possess good programming ability. Due to the global scenario, it is essential to produce job providers than job seekers.

4. The practice:

During their First year of study all students are given an orientation program to make them understand what engineering is all about.

They are being introduced to various essential life skills that need to be possessed by an engineer. Students are given detailed introduction to the scope and opportunities available for their field of specialization. Motivational programs are conducted to ignite their thinking ability. They are also exposed to a workshop on creative thinking which is essential for any individual to innovate. Both written and oral communication skill development trainings are scheduled and conducted to all our students.

During the second year, all our students are motivated and trained to take up the English communication skills

Additional training is provided to ensure that their analytical ability and reasoning ability are enhanced. They are motivated to participate in national level competitions conducted by various agencies and industries (like AICTE, NASSCOM, TCS, IBM) to showcase and enhance their technical skills.

During their third year of study students are trained to enhance their problem-solving ability.

All students are mandatorily trained on enhancing their programming skills as all engineering graduates are expected to be computer literate.

During the third-year students are provided with various opportunities to enhance their domain knowledge and also enhance their presentation and communication skills.

centre of Excellence (COE) are set up to impart training on a specific domain. With the help of industry experts, we form core committees which will decide and frame the syllabus to be delivered as part of training through a COE. Faculty members are trained by industry experts who would subsequently train the students. In certain cases, industry experts, themselves train the students.

Conduct Learn-wise programme through National Entrepreneurship Network and EDI, NAD, Government of Tamilnadu, which lead to students setting up startups.

5. Evidence of Success

Table 7.1: List of Training Provided

Semester Name Conducted by Duration

S.No	Semester	Conducted By Name/org	Duration
1	1	Orientation Programme-ACE	1 day by 02.09.20
2	1	Motivation Programme-Mr rajan-	1 day by 25.09.20
3	1	Life Skills Workshop-Mr Ganesan	2 days 25 & 26 ju
4	2	Engineering Orientation Programme	1 day 05.10.2019
5	2	Science Orientation Programme	1 day 26.02.2020
6	3	Aptitude test	1 day 27.01.2020
7	4	Communication skills	1 day 07.02.2020

Evidence of Success:

During the academic year 2017, 2018 and 2019 we had a placement record of 90% to 97%. We have conducted seven number of skill development programs last year in different context to enhance the students skill & knowledge level.

For the past three years, after practicing the model of Centre of Excellence training we have seen our placement percentage improving from atleast 25% more than previous years.

**Startups*

1.Mr. Sundar had developed a system to remotely monitor and control indoor farming.

2.Mr. in designing, manufacturing, and marketing of Home automation, Wireless communication, Media

devices, Lighting, Energy efficient lighting solution and Healthcare products.

After developing a product that preserve food, even under low voltage conditions Mr.

3.one civil student startred his own construction company.

4.M/s Nova by ECE stuent Robotics Private Limited that develops products using Embedded Technology.

6. Problems Encountered & Resources Required:

Making the students realize the importance of the training being imparted and make them participate with full involvement has been a problem in the beginning. As they see the fruits reaped by their seniors now most of the students are showing interest to become a member in any one of the Centre of Excellence.Trainers for many of the training programs are acquired through reputed training institutes. For technical training faculty members in our college are trained to deliver the content to our students.We have created the laboratories that are needed to train the students on various

7.Notes:

We have practice of conducting Job Fairs every year for other students . ie apart from condcuting campus drives to our own students. we havel conducted successfully five number of job fais to all students. In whcih total no of participants from various colleges acros the state , it crosses minimum of 5000 and goes upto 10,000. almost 25% to 30% of students get placed in medium and modrate companies.Our students will also participate in it as candidates & serve as voulnters as well. there by their managerial skills will improve.

8. Contact Details

Name of the Principal:Dr .R.Palson Kennedy

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Accredited Status:SAR SUBMITTED TO NBA &.SSR SUBMISSION uder process

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II 1. Title of the Practice:

II- Introduction & Implementation of Student mentoring system

2.Goal:

- To foster healthy and positive professional relationships between students, teachers and other Stakeholders.
- To identify students' academic needs and help them to acquire strong foundational knowledge in Engineering, Science and Technology.
- To nurture the students' creative minds and help they do innovative projects with social relevance as nation builders.
- To help students identify their areas of interest and groom them to achieve their career goals.

- To cultivate moral values and inculcate healthy learning habits that will make them develop as an informed, skilled and ethical professional

3.The Context Description

- Students transition from school to college needs help, support and proper nurturing in order to adapt to the new learning environment. Besides, most students lack the knowledge of various career options available on completing engineering.
- To guide them in matters of higher studies, career goals and job opportunities, a continuous monitoring and mentoring system has been established.
- This will help them to compete with Global market

4. The Practice :

- Based on experience and expertise, suitable mentors are identified to whom mentees are allotted in a ratio of 1:13.
- Mentors are duly assisted by other faculty members from each department in providing individual care, counselling and also in monitoring their academic progress.
- Mentors maintain individual mentee reports containing details of their counseling and academic history.

5. Evidence of Success & Outcome :

- Attendance is improved well and consequently their performance is also improved in the cycle test & reflected in Model & University end semester examinations as well. Similarly after noon hour cut is totally reduced.
- Student's performance gradually improved. Staff performance also improved by adopting the system. They can monitor their students well.

6. Problems encountered: Finding of getting less mark/performance in continuous assessment Test , project and Placement. Later on we conducted parents meeting & explained them about their wards academic performance. Then they realized and performed extremely good and got offer with higher packages.

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File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Distinctive features of PERIIT

The Institute which completed its 10 years of existence in 2020 has a strong bonding with the local people as we have Third Generation students studying in this college. This includes a number of minorities and marginalized section students.

The college successfully implemented the Job Fairs almost a decade & places 2000+ candidates every year. The focus is on skill development & Placement, career oriented programs, industry visit, industry - academia interaction and college have brought all these aspects under curriculum implementation and enrichment.

PERIIT achieving almost 90% placement record every year with 50+ Recruiters and among them 20+ are core companies. The minimum salary is about 3.12 Lakhs per annum. In 2019, the institute achieved top placement salary of 12 lakhs per annum. Some of the domains where our students get opportunities are Digital manufacturing, Robotics and Industrial Automation, Manufacturing Technology, Automotive Design, Structural Analysis, Automotive Service, Engineering Services, Aero Space, Vehicle Design, Artificial Intelligence, Big Data & Data Analytics, Virtual & Augmentation Reality, BPM Technology, Black Chain Technology, Cloud Computing, Mobile Application, Software Testing, Software Development, Internet of Things (IoT), Routing & Switching,

PERIIT strive hard to conduct the JOB Fairs every year. It is the aim of the management to employ all the eligible candidates in their chosen field of engineering. In addition to that, it will attract other college students to participate in the Job Fairs and there by they will also get employed.

Special attention is given to weak students especially belonging to SC/ST., OBC and minority groups. Such students will be attending our special coaching classes beyond class hours. The faculty members will be stay in hostel to coach all weak students & hostellers.

The students of PERIIT are not only guided to achieve excellence in the education but are thoroughly equipped with the knowledge of social perseverance and environmental sustainability. It lays special effort on students understanding of current environmental crisis and through its various schemes like energy conservation, waste management, rain water harvesting, plantation drives urges them to become eco friendly citizens.

PERI IT in its endeavour to implement AU curriculum incorporating its mission and vision with contemporary issues has evolved a number of best practices like Morning Test & assignments , Annual placements to our own students & other college students through Job fairs & pooled campus drives , Knowledge park ,Students management system with iGuru etc

The college aims at creating a hatching ground (EDC/AERO& Robotics club) for the students to develop their Innovations /hobbies and achieve success in life. The two centres are steps towards facilitating the students with the required knowledge, experience and exposure to pursue their dreams with gainful employment..

PERIIT has gaining the reputation of being an “Industry connected Institute” through its strong interaction and collaboration with the Industry across the sector for all the courses being offered, which assist the students in learning beyond the syllabus. Through this collaborations, Thirty four number of MoU's are in place to offer academic support to the students which include mentoring, internship, projects, placements etc

PERIIT ranked tenth among all engineering colleges in our zone IV affiliated to Anna University, Chennai as per the April 2019 academic performance. The academic excellence is due to our innovative and industry connected learning programs. PERIIT strives for the development of engineers with societal commitment and responsible citizens of the country. Our learning programs starts with regular academics with greater emphasis on Skill development and language training, self-learning, industry connectivity, international collaborations.

In a fast changing academic environment, PERIIT is well balanced to take on future challenges of Education.CIT continues to participate in developmental research policy and support for fulfilling the sustainable development goals. The college has continuously upgrading its facilities and infrastructure to respond to the changing pedagogic environments.

Another vital focus of the institution is the formation of the Anti ragging Complaints Committee (ACC) as per UGC guidelines to deal with cases, if any, of sexual harassment of students and staff members and to ensure their safety and security within the college campus. The institution takes pride in environment-based activities to create holistic consciousness among students and staff and hence PERIIT decided to get accredited and become autonomous to introduce courses of students. One of the advantage of the institution is its Alumni, who motivate the students by helping them interact with them by conducting workshops & Lectures and guide them to be placed in good companies in their path.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

Methodologies to support slow learners and encourage super learners:

The faculty advisors regularly interact with the students and subject handling faculty regarding progress of the students to identify the slow and advanced learners. The students who score less than 50% marks in their internals, having backlogs in university / end semester examinations are identified as academically slow learners. In consultation with the HOD, academically slow learners are counselled by the senior faculties in the department and Principal whenever necessary. The parent teacher meeting is planned in every semester to interact with the parents of weak students and to advise them to support the students to overcome his / her problems and pass in the examinations.

Guidelines to identify weak students and supporting activities:

S.No	Identification Criteria	Actions taken
1	Students scoring less than 50% of marks in Internal Assessment and fail in end semester exams	1. Counselling by senior faculty 2. Interacting with parents, if necessary 3. Conducting remedial classes 4. Peer learning 5. Simplified class notes 6. One to One Coaching 7. Daily test
2	Diploma/Vocational students with less basics of Mathematics.	1. Conducting Special remedial class. 2. Issue Simplified class notes 3. One to One Coaching
3	Lateral entry & Transferred students with Poor pickup.	1. Conducting coaching remedial class 2. Issue Simplified class notes

To promote industrial cluster for micro and small industries.

To have collaborative research arrangement with Industries / Government R&D organizations.

To set up a central research & Innovation centre and make the campus a s a hub for Innovative Research activities for new product Development and Services.

To have more number of MoUs with Foreign / National Universities / Industries

for getting visiting professors / Adjunct Faculty members.

To establish Technology Business Incubator (TBI).

Concluding Remarks :

Core values of PERIIT are listed below:

Contributing to National Development.

Expedition for Excellence.

Nurturing global requirements and competencies among students.

Inculcating a value system among students. Promoting to utilize latest technologies.

The academic excellence is due to our innovative and industry connected learning programs.

PERIIT strives for the development of engineers with societal commitment and make them as responsible citizens of the country. Our learning programs starts with regular academics with greater emphasis on foreign language training, self-learning, industry connectivity, international collaborations.

In a fast changing academic environment, PERIIT is well balanced to take on future challenges of Education.

PERIIT continues to participate in developmental research policy and support for fulfilling the sustainable development goals. The college has continuously upgrading its facilities and infrastructure to respond to the changing pedagogic and research environments

PERIIT with Vision 2025, of being one of the top institutions in the Indian /Asian continent , PERIIT is setting up Industry Oriented Knowledge Park offering legroom for the industries to setup their facility and bring together academicians, students, researchers and industry experts under one platform to work together , design, test and develop new products in the new &innovative areas.

The institution takes pride in environment-based activities to create holistic consciousness among students and staff and hence PERIIT decided to get accredited and become autonomous to introduce industrial courses for students.