SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

PET ENGINEERING COLLEGE

POST BOX NO 6, THIRUCHENDUR ROAD, VALLIOOR
627117
www.petengg.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

September 2021

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

"The well being of the world largely depends upon the work of the engineer. There is a great future and unlimited scope for the profession".

India has the potential to develop the best talent pool with competent engineers adaptable for the 21st century. Realizing this potential Popular Educational Trust a registered Charitable Trust started PET Engineering College, to impart Technical Education of high caliber to meet the growing needs of Engineers and Entrepreneurs in business and industry. It is a place for learning, discovery, innovation, expression and discourse.

A well defined vision, highly committed mission and dedicated leadership facilitate the college to be in the best educational institutions in the southern zone. The state – of –the- art and sophisticated laboratories, internet centres, modern library, sports playgrounds and the lush greenery make it one of the most preferred destinations for young engineering aspirants. The College is affiliated to Anna University and is also approved by the All India Council for Technical Education, New Delhi. It is an ISO 9001 – 2015 certified institution which started functioning from 28th September 1998 in its permanent campus.

The motto of the institute is to work uninterruptedly for fruitful dissemination of knowledge to its students with the solemn aim of making them worthy citizens of the country. The claim has been vindicated by a large number of alumni glittering in the national and international arena.

Vision

To contribute quality Engineers and Managers to our nation and remain a source of pride in this region.

Mission

- **To generate human potential by providing inputs like competent faculty, infrastructure and laboratory equipment.**

- **To implement skill development programmes for Engineers / Managers to solve practical problems in the society.**

- **To provide avenues for developing entrepreneurial skills and to create an urge for higher studies in core and inter - disciplinary areas.**

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- A 23 year old institution with lowest attrition rate
- Constant encouragement and full-fledged support from the Management
- Sprawling Campus in a serene environment with excellent infrastructure. Well-equipped labs.
- Faculty who is devoted to his/her duty and maintains absolute integrity, honesty, discipline, impartiality and a sense of propriety.
- Distinctive and well experienced faculty who are passionate towards teaching and inculcating moral values and social responsibilities in the students.
- Dedicated, well-qualified and competent faculty with research intent.
- As the faculty members are being paid a higher pay as per norms, faculty retention is excellent. They are given full academic freedom.
- Dynamic HODs' actively assisting the head of the institute in ensuring the ethical practices, maintaining teaching standards, and promoting healthy human relations among faculty and students in the department.
- Our students consistently secure University ranks.
- Additional topics, beyond syllabus are covered by the teachers.
- College works for 6 days in a week, in a staggered manner, so that the students and faculty get an extra day for special coaching, research and other professional development activities.
- The college recognizes and appreciates top academic performers in each class in the internal evaluation and University examinations.
- Effective mentoring system providing constant guidance to the FRC.
- Providing scope for all-round development of personality of the student through Sports, Associations and Clubs.
- Periodic research orientations like National and International Conferences, Workshops/Seminars. Excellent Placement Records. Effective involvement of alumni in placement of out-going students.
- Effective involvement of alumni in placement of outgoing students.
- Certifications like ISO and recognitions from various institutional bodies.
- College has entered into memorandums with several institutions like ICT academy, Tamilnadu, Reem International Pvt.Ltd, Sakthi Automobile industries, Agape technology, Nellai Polymer, Face it App, SA constructions, Hifi Technologies, Banu constructions the College focuses to have collaboration with other reputed institutions and universities.
- Home away from home ambience in hostel.

Institutional Weakness

- Industry-Institute interaction needs improvement.
- Centre of Excellence needs to be established for all departments.

- Consultancy and extension activities need improvement.
- Improving the number of MOUs and collaborations with large scale industries and repute professional bodies as well as universities.
- No technology incubators to transfer the technology to industries.
- Enhance communication skills of students to meet the demands of global market.
- Self-interest of students is minimum for their professional growth
- Even after quality teaching, the times spend by the students for studying at home is very minimum

Institutional Opportunity

- Emphasis on solar based renewable energy sources and use of Power saving appliances.
- Offering value added courses/online courses/Certification programmes.
- Opportunities to carry out research projects and any other research initiatives.
- Scope for commercialization of research outcomes.
- Initiate 'Start-ups' within the Campus.

Institutional Challenge

- Changing Social and economic scenarios leading to an unpredictable future. Placing students may become very difficult due to this changing scenario.
- Unpredictable and declining quality of students may exert pressure on the teachers.
- Coping with rapid change in technology and the industrial requirements and improving the employability of the students are the biggest challenge for an Institution affiliated to a University.
- Declining supply of quality faculty, difficulty in exposing faculty to the Industrial scenario and getting them trained to train students are other challenges.
- In this fast-growing technological era, it is becoming difficult to adjust and adapt quickly since the academic curriculum is prescribed by the affiliating Anna University
- Being an institution located in a rural area, the quality of students at entry level is moderate. So grooming them to meet the competitive global market is a challenge.
- The conservative background of some parents poses as a constraint to the career   development of some meritorious students and convincing them is a challenge.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Institute has developed and practiced with well-prepared action plans for effective implementation and monitoring progress of the curriculum delivery. Being an affiliated college, we follow the curriculum prescribed by Anna University, Chennai. Following steps are charted out for effective content delivery.

- **Preparation of academic calendar adheres to University schedule.**

- **After subject allocation, effective lesson plan formation.**

- **Class tests, three internal assessment tests are conducted for theory courses.**

- **A model practical examination for practical courses.**

- **Maintenance of attendance and periodical reports by Tutors.**

- **Class committee meeting before each internal assessment test to review the portion coverage.**

- **Slow learners are identified and extra classes are arranged.**

- **Monitoring the progress through the Department Advisory committee.**

- **Feedbacks are collected from students for curriculum outcome and also from stakeholders like alumni, parents, employer and faculties.**

- **Feedback review committee analyses the feedback and action to be taken is reported.**

- **Mentoring and counselling students for academic, non-academic issues and career guidance.**

- **Organize guest lectures, seminars, workshops and symposiums to inculcate the learning habits and to build the leadership quality of students as additional input to curriculum.**

- **Industrial visits or field trips are arranged.**

Teaching-learning and Evaluation

At PET Engineering College, students' enrolment is carried out in a transparent manner as per norms. The admission team carries out the admission process in a systematic manner. After getting admitted into the college, students are facilitated by the college to obtain scholarships from the government.

The college provides an environment which endorses practical knowledge. This is carried out by various special laboratories, application oriented projects, Skill development training programs and conducting technical workshops. Though the lecture method is the predominant teaching method, the use of ICT like Google classroom App, Powerpoint presentation are integrated into the teaching-learning process. The

overall development of students is taken care of by supplementing curricular activities with co-curricular, extracurricular and social responsibility initiatives.

PETEC recruits competent faculty and also supports them to adapt to the growing trends by encouraging them to participate in various FDP's, Workshops, Seminars and Conferences. The Institute also organizes FDPs for improving the teaching learning process.

Regular assessments of students are conducted periodically through Assignments, Weekly tests, Internal Assessment tests, etc. Class Mentors monitor the progress of students and maintain a constant interaction with the students. Students are counselled for their academic improvements and to solve any family or financial problems. The result analysis is carried out and remedial measures are adopted. Remedial coaching is in place for academically weaker students. Advanced learners are encouraged to put in efforts to secure ranks at the university examinations and guided to face competitive examinations to pursue higher levels of education.

Research, Innovations and Extension

The institution has created a platform for developing the research. The institute interaction with industry establishments made the students acquire practical ideas. Various workshops, guest lectures , Seminar , Technical symposium, Conference were organised to extend the technical knowledge sharing among students and faculty. Faculty involve themselves in publishing articles in International Journal to flourish their ideas to the society.

PET Engineering College gives more importance to be aware of social responsibility and in solving social problems. PETEC provides readiness to establish contact with the neighbourhood community and make students involved in the social activities. Students explore the method to solve the problems, create contact and do service for the society. By this way students gain in developing interpersonal skills like understanding the common community, organizing capacity, human ethical value and leadership. Programs are organized by NSS, YRC, Renewable energy Club. Events like Blood Donation Camp, River cleaning, Plant Sapling, Natural food habits, Woman Safety Program are organised to enrich social responsibility

PETEC invites industrial experts to create a platform for industry institute interactions. This linkage is created by signing MOUs with industries. This interaction offers internship training in the technical area, solution to the technical problems, field visit for students and also promotes career growth to the students.

Infrastructure and Learning Resources

The Management has developed adequate infrastructure and learning resources in the campus to achieve its objective of excellent education. The campus is beautified by gardening and landscaping. The campus contains nearly 35 class rooms which are ICT ready, each with an average area of 80 sq.m., well equipped laboratories, well stacked library, spacious playground, gymnasium and a basketball ground. with a seating capacity of 600. The college has one indoor auditorium with capacity of 525.82 sq.m,

Canteen and power back up with five generators and 21 UPS. Each department is given a staff room. Every department is equipped with a Computer having internet connectivity. The college is equipped with LCD and LED projectors to facilitate the Modern teaching methods to be adopted.

New facilities have been augmented during the past five years where several equipment added to meet current requirements. The total expenditure towards books and journals in the past four years has been Rs. 56,00,000.00.

ICT resources have been sufficiently strengthened in the institution with Computer to Student ratio being about 1:2.16. Expenditure incurred on maintenance and renovation works in the college stands at about Rs. 111,472,849.00. The housekeeping work of the college has been carried out within the campus. An in house Civil Engineer, System Administrator and a technician are appointed for the purpose of Maintenance of the building, computers and equipment. An electrician is appointed to supervise the wellbeing of electrical fixtures and electrical connections in the college. The college library has reprographic service and other essential services. ICT learning resources are available in the college.

Student Support and Progression

1. Many Students got benefited through Scholarship rendered by the Government.
2. Management encourages students by providing merit scholarships, Sports Scholarship and Economically Weaker Background Scholarship.
3. Alumni Scholarship is provided to selected Students for every year.
4. Training and Placement Cell of our college extends its service for career guidance, resume building, soft skill training, technical training etc.,
5. Placement training programs are planned systematically and conducted throughout the course of study for the students to excel and be ahead in the competitive environment.
6. The Placement Training imparted, promoted the skills of large number of Students.
7. Our students benefitted through guidance for competitive examinations and career counseling also.
8. The Students' Counseling & Grievance Redressal Committee has a transparent mechanism for timely redressal of grievances. Ragging is totally prohibited in the institution and measures are taken to curb the ragging through anti-ragging cells.
9. Guidance is given to advanced learners by the concerned teachers to improve their performance. Their performance in National Level, co-curricular and extra-curricular activities is appreciable.
10. Many sports and cultural activities/ competitions are organized at the institutional level per year.
11. The distinguished alumni are a strong support to the institution. The alumni association actively contributes towards academic growth by delivering guest lectures, webinars, and workshop throughout the year.

Governance, Leadership and Management

Our vision is to achieve global leadership of excellence in education and research by prioritizing our values and implementing appropriate strategies for prospective development. The college envisions a student centric, goal-oriented holistic education to all the aspiring students irrespective of their caste, creed and religion.

The Principal plays a key role along with the Heads of the departments, the IQAC and some of the senior faculty in framing various policies and principles for proper academic, administrative and financial management of the institution leading to its systematic development in all spheres of the institution. The diversified group of members in IQAC suggests appropriate parameters to improvise and enhance academic, ethical, psychological and moral growth of students. The different committees coordinate and monitor the academic, co-curricular and administrative activities. The FRC committee will facilitate both the students and faculty to improve upon their functions.

The college conducts faculty enrichment programs, orientation programs for students, teaching and non-teaching staff at regular intervals. Efforts are made to upgrade the professional competence of the staff. There are mechanisms evolved for regular performance appraisal of staff. Further the members are encouraged to attend seminars, workshops, conferences, refresher courses and also to undertake research projects for professional development and acquisition of skills.

The institution has developed strategies for mobilizing resources and ensures transparency in financial management of the institution and is subjected to external and internal audit. The Administration is participatory in nature.

Our institution has envisioned strategies to upgrade research activities, improve collaborations with prominent institutions and augment recruitments through the college.

Institutional Values and Best Practices

*PET Engineering College makes sincere efforts to empower women faculty and students. Vishakha committee works towards women empowerment. A 10KW, 230 V Solar panel is installed and utilised. In our Institution, bio gas is prepared for bio wastes by using the Bio gas plant. Totally 10KW LED lightings are installed and the power consumption range is reduced by 30 %.

Water conservation facilities such as Rain Water Harvesting, Bore Well, and Waste water recycling are available in the campus. Drinking water after treating it in RO plants, is supplied through a separate set of distribution pipes and for all other purposes through another set of pipes.

The institution has a green campus with restricted automobile entry, Battery-Powered Vehicles (1000W, 48V DC, 25 A) Pedestrian friendly pathway, Ban on the use of plastics and green landscapes with trees and plants. The Quality audits such as Green audit, Energy audit, Drinking Water Test, noise monitoring, illumination monitoring on environment and energy is regularly undertaken by the institution and awarded by Ignite Environmental Services.

Several programs are conducted which establishes positive interaction among people of different racial and cultural backgrounds.

* The institution has implemented various best practices like internship program, experiential learning for the development of theoretical and practical knowledge of students in their area of interest. Workshops and guest lecturers are given by the Alumni of our institution to promote corporate requirements and future challenges.

The institution motivates the staff and students for their accomplishments with rewards and recognition. The staff as well as the students need different levels of motivation. The staff are motivated for producing good academic results, best senior tutor, best department, appreciation for publication in journals and books. The students are encouraged by giving awards for academic toppers, university rank holders, attendance regularity , extra and co-curricular activities, participation in other college events, best outgoing student, Gem of PET, award for proficiency in English language, active participation in clubs etc. The institution encourages the participation of students in NSS and YRC units to develop their social and civic responsibility and mould them into responsible citizens

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	PET ENGINEERING COLLEGE
Address	POST BOX NO 6, THIRUCHENDUR ROAD, VALLIOOR
City	Vallioor
State	Tamil Nadu
Pin	627117
Website	www.petengg.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K.madhan Kumar	04637-220999	9787176967	04637-222205	naac@petengg.ac.in
IQAC / CIQA coordinator	C.rekha	04637-221853	9629255749	-	ece.rekha@peteng g.ac.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	Yes Minority _compressed.pdf
If Yes, Specify minority status	
Religious	Muslim Minority
Linguistic	
Any Other	

Establishment Details	
Date of establishment of the college	28-09-1998

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		
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	09-06-2020	12	For previous academic year

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

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	POST BOX NO 6, THIRUCHENDUR ROAD, VALLIOOR	Rural	36	34545

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	Higher Secondary	English	60	4
UG	BE,Electrical And Electronics Engineering	48	Higher Secondary	English	60	14
UG	BE,Electronics And Communication Engineering	48	Higher Secondary	English	60	26
UG	BE,Mechanical Engineering	48	Higher Secondary	English	60	28
UG	BE,Computer Science And Engineering	48	Higher Secondary	English	60	51
PG	ME,Electronics And Communication Engineering	24	BE	English	24	5
PG	MBA,Master Of Business Administration	24	Bachelor in ARTS SCIENCE	English	60	53
PG	MCA,Master Of Computer Applications	24	Bachelor in Science	English	60	24
PG	ME,Computer Science And Engineering	24	BE	English	24	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				5				6				95
Recruited	4	1	0	5	5	1	0	6	46	49	0	95
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				5				6				95
Recruited	4	1	0	5	5	1	0	6	46	49	0	95
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				16
Recruited	11	5	0	16
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				16
Recruited	11	5	0	16
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				12
Recruited	8	4	0	12
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				12
Recruited	8	4	0	12
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	1	0	1	0	0	2	0	0	8
M.Phil.	0	0	0	0	0	0	1	13	0	14
PG	0	0	0	4	1	0	38	41	0	84

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
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**	**Others**	**Total**
	3	1	0	4

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	112	0	0	0	112
	Female	44	0	0	0	44
	Others	0	0	0	0	0
PG	Male	27	0	0	0	27
	Female	56	0	0	0	56
	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	11	21	26	41
	Female	20	14	35	42
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	104	149	194	188
	Female	85	74	136	97
	Others	0	0	0	0
General	Male	3	2	14	14
	Female	1	3	6	5
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		224	263	411	387

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
405	411	409	411	436

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
9	9	9	9	11

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
825	882	1101	1291	1405

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

2020-21	2019-20	2018-19	2017-18	2016-17
323	405	405	405	447

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
320	288	370	407	462

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

2020-21	2019-20	2018-19	2017-18	2016-17
106	101	111	147	160

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
90	98	101	140	154

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 40

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
114.8	173.34	234.31	207.92	217.63

4.3

Number of Computers

Response: 443

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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:

PET Engineering College (PETEC) is approved by A.I.C.T.E. New Delhi and affiliated to Anna University, Chennai, Tamilnadu and follows the curriculum and syllabus framed by the University from time to time. PETEC adopts its innovative methods and systematic approaches through Planning, Development and Controlling & Monitoring phases.

In the Planning phase, all departments submit the resources requirement to the Internal Quality Assurance Cell (IQAC). IQAC collects the request, verifies it and submits it to the Governing Council for approval, ensuring successful functioning of the forthcoming semester. College academic calendar comprising the plan of events, based on the University academic schedule is formulated.

In the Development phase, subjects are allotted to the faculty based on their qualifications, expertise, experience, willingness and skill matrix. Time-table for the entire semester is framed with the provision for Library / NPTEL Lecture, project hours and technical training. The curriculum delivery includes the following methods;
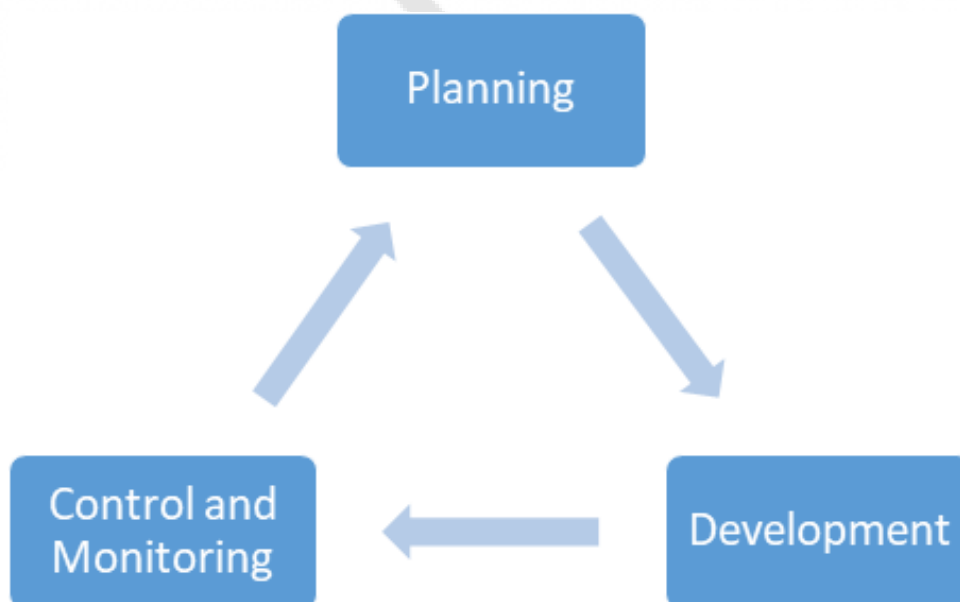
Traditional teaching methods: It includes preparation of detailed lesson plans, question bank, lab manuals, lecture notes, tutorial and assignments and content beyond syllabus

Collaborative Learning: Our Institution arranges industrial visits, Guest Lectures Internship and industrial projects to impart practical exposure.

Self-Learning: Students are also encouraged to use various online portals like MOOC, Udemy. NPTEL etc.

Competition Based Learning: Students are motivated to participate in national and international competitions such as TCS Code Vita, ICTACT youth talk, Syntel Hackathon etc.

Supportive Learning: Experiential learning is an engaged learning process whereby students "learn by doing".

- Faculties handle classes with the ICT enabled devices and online portals for important topics regularly.

- Students are categorized as slow and advanced learners and special coaching is given based on their specific needs. With the desired end to accomplish successfully in the university examination.

- ·MoUs are signed with the industries to facilitate the practical needs of the students.

- The central library is the hub of knowledge to cater to the needs of the students and faculties.

- State of art laboratory designed as per the curriculum to expand the hands on comprehension of the subjects.

- Teaching faculty members are assigned the responsibility to mentor the students providing them guidance for their holistic development.

In the Control and Monitoring phase, the teaching learning process is monitored and controlled through various committees ensuring effective teaching,

- The Department Advisory Committee does a periodical review of the academic progress and attendance of the students besides monitoring performance appraisal of the staff.

- The class committee meeting is conducted before every internal assessment tests to monitor and discuss academic issues.

- Formal (online) and informal feedback is obtained from students at regular intervals and Feedback review committee analyses the feedback and takes reformative measures.

- The institution follows the systematic examination process, standard question paper as per Bloom's taxonomy, prompt evaluation and dispatch of reports to the parents.

- All UG and PG students of the current academic adhere to Anna University 2017 regulations.

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:

PETEC follows the academic calendar framed by the institution in line with the academic schedule released by Anna University with three Internal Assessment Tests i.e. Continuous Internal Examination for the internal marks computation, University Lab Examination and End Semester Examination. This academic calendar contains the entire plan of both curricular and co- curricular activities of the academic year. The Head of the Institution discusses with all the HODs to ensure an effective implementation of the curriculum. As per the academic calendar, departments prepare their activity plans and time-tables.This calendar is circulated to students every year and also a soft copy is available on the college website. This allows the students to prepare well before the assessments and faculties can complete the portions prior to the assessments. It will be monitored through class committee meetings.

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: C. Any 2 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](#)

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: 38

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2020-21	2019-20	2018-19	2017-18	2016-17
7	7	8	8	8

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: 51.93

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

2020-21	2019-20	2018-19	2017-18	2016-17
516	322	554	704	783

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)
Any additional information	[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:

In order to integrate the cross-cutting issues relevant to gender, environment and sustainability, human values and professional ethics, PETEC students are familiarized with different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students.

Gender Sensitivity

- Boys and girls are given equal preference in all aspects such as Admission, Curricular, Co-curricular, Extra-curricular and Training & Placement activities. Responsibilities are assigned to the students irrespective of gender. This helps the students to show mutual respect with the opposite gender.

- There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities through the celebration of Women's Day every year.

- The cell aims to enable lady faculty and girl students to explore their inherent potential in all aspects, providing a congenial working environment for them.

Professional Ethics and Human Values

Course of three credits on human values like "Professional Ethics and Human Values" and "Professional Ethics in Engineering" is offered subject to the students. This enables the students to learn human values, global issues, moral leadership, code of conduct and loyalty. This is encompassed in the following subjects in the curriculum of various programmes.

- MC7304   Professional Ethics
- GE6075   Professional Ethics in Engineering
- GE8076   Professional Ethics in Engineering

- The training and placement division trains the students to develop their soft skills. Every year, Mr. T. Ragunath, leading Psychologist conducts a motivational program on human values & life skills for first-year students to handle the problems they face in their course of study.

- Social development activities like working in NGOs, organizing blood donation camps, health check-up camps, hygiene and health workshops, environment awareness camps, river cleanliness drive, workshops on social issues, public health, gender issues etc. are executed and monitored by faculty in-charges.

- As an integral part of student engagement in social activities during their programme of study, college provides a chance to all the students to enrol themselves as NSS Volunteers. It aims at inculcating values, ethics and social responsibilities. As part of the program the students also organize street plays, awareness campaigns, debates etc.

Environment and Sustainability

PETEC is a green campus, focusing on energy efficiency by preserving natural resources for healthy living and a good learning environment. Rainwater harvesting system is implemented to recharge the groundwater by collecting the rainwater from catchment areas like building's rooftops. The RO Plant is established on the college campus to provide safe and sweet drinking water to all. Students learn several compulsory courses on Environmental Science to address the environment and sustainability issues. The courses are

- Environmental Science and Engineering
- Irrigation Engineering
- Irrigation and Environmental Engineering Drawing
- Water Supply Engineering

- Wastewater Engineering

- Water and WasteWater Analysis Laboratory

- Soil Mechanics
- Soil Mechanics Laboratory
- Renewable Sources of Energy
- Air Pollution and Control 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: 31.11

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

2020-21	2019-20	2018-19	2017-18	2016-17
126	131	127	134	126

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

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

Response: 44.61

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

Response: 368

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: A. All 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: A. Feedback collected, analysed and action taken and feedback available on website

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: 52.7

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

2020-21	2019-20	2018-19	2017-18	2016-17
239	224	263	411	387

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
468	588	588	588	648

File Description	Document
Institutional data in prescribed format	[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: 29.02

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

2020-21	2019-20	2018-19	2017-18	2016-17
109	82	119	163	96

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:

A well-laid out and streamlined mechanism is present for continuous monitoring and evaluation of the students. This system helps the teachers to identify advanced learners based on the performance in internal exams, attendance regularity and the performance in class tests, Assignments and Tutorials.

Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

- Encouraging the students to be active members or office bearers of various professional bodies and branch associations.

- To take up the latest technology in in-house projects.

- To identify the emerging technical areas and organize various events related to those areas. Special Coaching is imparted regarding paper publications and scope for higher studies in relevant areas.

- Encouraging them to prepare for competitive examinations like GATE, TRB, and ISRO.

- Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. for developing analytical, problem solving and presentation skills.

- Motivating to access latest online journals, reference materials which help them to understand the emerging trends in their field of study.

- Training to use audio visual aids like powerpoint for effective presentation.

- Motivating the students to participate in workshops, conferences, project expo etc.

- Encouraging the students to publish their project papers in International Journals and conferences.

- Responsibilities are entrusted to them to apply their creativity by organizing cultural programs, technical events.

- To bring out the hidden skills from Advance learners, events such as the Skill Assessing contest –Gem of PET are conducted every year. To find the best student among advanced learners Best Outgoing student & Best Outstanding student events are conducted.

Based on the performance in previous university exams, students with four arrears are identified as **slow learners**:

- Slow learners are identified after observing their performance in previous university exams and in class tests. After the first IAT, failures in any subjects are considered as slow learners.

- Such students are asked to explain their problems and the following measures are taken to reduce the dropouts.

- One faculty member is assigned as a mentor for every 14 students (depends upon strength of class). The faculty mentor assesses the nature of their problem. Students with psychological/emotional problems are also motivated in a friendly way to reach their academic goals.

- Spoken English hours are conducted for students deficient in language skills.

- Mentors develop a rapport with the concerned students through personal interactions and counseling is provided for the needy students.

- After each IAT examination performance of students will be informed to parents through Post.

- Mentors are informed to provide special attention towards the slow learners.

- Students are encouraged to attend the classes regularly, and the students with less than 75% attendance are intimated to their parents through phone and post.

Following measures are taken to achieve the same:

- Special coaching classes after the college working hours.

- Spoken English classes to boost the confidence level.

- For exploring the talents of the students, they are encouraged to participate in seminars, conferences and other events inside and outside the college.

File Description	Document
Past link for additional Information	[View Document](#)

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

Response: 7.78

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:

Learning is made more students centric by:

Traditional method of teaching for the understanding of fundamentals of the subjects, Interactive learning through regular classes supported with seminars, quiz. Independent learning is encouraged through assignments. Student's creative ideas are converted to projects and it is acknowledged through Project Expo.

Experiential Learning:

- The faculty members promote learning by engaging the learners in rich content of teaching through experience, teaching through demonstration, videos, project development, and student seminar presentation.
- The faculty members make learning interactive with learners by encouraging learners to partake in subject quizzes, discussion and questions and answers on related subjects.
- All branches have projects based Learning. The faculties guide the students in preparation of projects. All departments have project work in their 8th semester.
- Student seminars are conducted in the department, where seminars are presented by the Learners on modern topics to improve their knowledge and skill.
- Students are allowed for Industrial visit for all the years separately to enhance their practical knowledge in current technologies adopted in Industries.

Participative Learning:

- Workshops are conducted for the students to shape their career and nurture their knowledge from the fundamentals of their subjects to the essential requirement skills for the company.
- Students chapters like IETE, REC, Science club inauguration and activities are conducted every year to bring out the hidden talents of students by conducting various events like Best manager, Quiz, Connections, Paper presentation etc.
- Group Learning encourages the slow learners to develop problem solving abilities, Technical abilities, Solution Analyses, etc and to ensure quality in the learning process

Problem solving methodologies:

- Students are encouraged to participate in programming contests, software debugging, and circuit debugging etc which are conducted inside and outside the college.
- Aptitude and Programming training are given to the students for enhancing their numerical ability and software skills for performing better in the interview during placement.
- To get hands-on knowledge in their profession, they are allowed to attend Internship in the companies.

File Description	Document
Link for additional information	[View Document](#)

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

Response:

- ICT enabled teaching incorporates class rooms with projector, Smart Class rooms, E-learning materials, etc. The institution adopts an up-to -the-minute updating of knowledge in tune with up and coming trends to develop the teaching-learning process using the use of LCD projectors for Classes, Webinar, Seminars and Workshops.
- Online classes are conducted through Google classroom app. The performance of the students is evaluated through Quiz, Assignments, Tests conducted through the mentioned app. E-materials are posted by the entire faculty for the subjects handled by them and it is accessible to the students.
- Multiple choice questions type tests are conducted through Google forms. Once the students take their test, marks are also viewed by them.

E-Resources:

E-resources like National Digital Library, memberships like DELNET, Library e-journals from Science Direct, IEEE are provided to students to improve their learning experience. The college has a broadband internet facility to support the students for enhancing their knowledge for preparing papers for journals and updating themselves to gain knowledge about recent technologies.

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: 86

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: 107.93

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: 5.74

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**

2020-21	2019-20	2018-19	2017-18	2016-17
8	6	6	8	7

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: 5.42

2.4.3.1 **Total experience of full-time teachers**

Response: 574.33

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	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:

The HOD/Senior faculty verifies the pattern, quality and correctness of the question papers prepared for the unit tests and ensures that the question papers are sent to the examination hall in time, the answer papers are valued and handed over to the students within three days from the conduct of the examination. Student's Performance and Subject Analysis for each IAT are submitted to the Principal for analyzing the Academic strength of students.

An examination committee is constituted every year to coordinate external examination activities and communicate to the students, teachers and administrative staff regarding examinations. Also department wise internal examination activities are conducted by concerned departments for their students ensuring proper seating arrangement, students IAT attendance, question paper distribution, answer paper collection etc. For effective understanding of the evaluation process, the faculty members give class wise/course-wise instructions about unique features of internal/external evaluation of that course.

- The senior faculty members are identified by the University for setting the question papers.
- The college sanctions 'On duty' permission to the teachers going for central valuation of answer papers organized by the University.
- The institution creates awareness to the students on the procedures for revaluation through circulars and class tutors.
- Internal examination schedule is displayed on the notice board in advance. Three internal examinations are held per semester.
- Changes in schedules, patterns, methods if any, are immediately notified to the students through notice boards and also through classroom briefing by the concerned subject teachers.
- The IAT's seating arrangements are displayed on the department notice boards.
- The subject teacher briefs the students in the classroom about their attendance and performance in the internal examinations.
- It is a practice of the college to show internal examination answer books after evaluation to the students in the class for self-evaluation.
- Students are free to interact with the teacher to resolve grievances if any, regarding the assessment.
- Assessment marks are informed to parents through postal in regular basics.

File Description	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:

- Each department has nominated series test coordinators for their department for conducting Internal Examination. Institute maintains complete transparency in this process. The Head of the Department supervises the evaluation process to make sure that evaluation should be completed within a stipulated time frame (within 3 working days after the examination) and with no bias approach.
- As per the University directions, weight age is given to attendance, student performance in tests.
- After the evaluation in a transparent and fair manner, the marks are entered in the Anna University Web Portal as per the schedule.
- The evaluation system also makes space for Communication Lab, Presentation Skills, Technical Seminars and classroom participation of students.
- After each IAT students marks are intimated to their parents through Post. Students are advised to submit the mark statement to the senior tutor after getting a signature from their parents.

College level Grievance redressal mechanism:

- Systems are put in place for the students to approach the subject teachers in case of clarifications.
- The examination proceedings of each department are overseen by the HOD's and senior faculties who also take up the responsibility of redressing the grievances if any.
- Students can also approach the Principal in case of requirement
- If the student is absent/fails due to valid reason for a particular internal examination, retest can be conducted for that student .With the approval of HOD, senior tutor and subject in-charge retest can be taken by the student.
- Retest papers are evaluated immediately after the examination. During the Anna University web portal entry process for internal mark calculation, with the   performance of class test marks, IAT marks are boosted for the required students.
- The Chief Superintendent is appointed by the Principal to interact with the University regarding the grievances of the students if any need arises.

At University level:

- The students are entitled to apply for photocopy of answer scripts, this answer script will be evaluated by subject experts within the campus. If the student obtained pass mark or increase in marks after evaluation from internal faculty , he/she are advised to apply for revaluation for that subjects by paying the prescribed fee to the University.
- The University takes up all such applications and re-evaluates the scripts by competent subject teachers. However, if there is no improvement earlier marks will be retained.
- During 2020-21 academic year, Online Multiple choice question test was conducted for Nov/Dec 2021 by Anna University. In this examination, so many technical issues were faced by numerous students. As many representation of grievances reported to university, Re-examination is conducted for the students in the month of June –July 2021.

File Description	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:

All departments in the institute have defined their POs & COs along with vision, mission following a

particular mechanism.

Program Outcomes (Common to all programs):

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **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.
- **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.
- **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.
- **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.
- **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.
- **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.
- **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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.
- **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.
- Course outcomes are mentioned in the syllabus which is also copied in the course file for each course. Each faculty member prepares the academic plan for their respective courses at the very beginning of the semester. POs and COs are part of this academic plan.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[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 program outcomes and course outcomes are evaluated by the institution

Direct Assessment:

- Internal Examination:

- Semester end examination

This process includes the following three components:

- **Assignment & Tutorials:** The students are assigned to solve several problems related to respective courses; three assignments per course.
- The assessment will be done based on their performance.
- **Internal Examination:** This type of performance assessment is carried out during the examination sessions which will be held thrice in a semester. Two IATs are conducted for each 50 marks and one model examination is conducted for 100 marks. Those marks are entered in Anna University web portal, the wholesome will be converted to 20 marks as internal for students. Each and every internal examination is focused on achieving the course outcomes.
- **Semester End Examination:** Semester End examination comprising the entire syllabus of the course is a measure for assessing whether the entire COs are attained or not. University examination is conducted for 100 marks and it is converted to 80 marks after evaluation.

Indirect Assessment:

- Students feedback
- Course Assessment

Feedback from Students:

- Online feedback about overall teaching performance of each faculty member allotted to the respective class will be conducted during the mid of the semester.
- Analysis of the feedback will be carried out by the Feedback review Committee and chairperson of FRC, sharing it with faculty members through HOD.
- FRC will discuss in person with faculty members whose performance is not satisfactory and suggestions are given to them to improve their performance.
- All the questions from the feedback indirectly reflects the outcomes of the program and the response level for those questions shows the attainment level of POs and COs.

Course Assessment:

- At the end of the semester online assessment of learning of course outcomes for each subject will be conducted.
- Course Outcomes involved in the assessment process will be mapped with POs with indication of attainment level.
- POs and COs are mapped in all the three IAT question papers. Student's performance for the question papers shows the attainment of Program outcomes and Course outcomes.The Three IAT marks of a subject will be converted to 20 percent which is considered as internal marks and University examination Marks of 100 will be converted to 80 percent. The addition of two gives the total marks of 100 , if passed (Obtaining 50 marks) shows the attainment level of PO-CO in that corresponding subject.

File Description	Document
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 81.94

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

2020-21	2019-20	2018-19	2017-18	2016-17
317	260	233	309	375

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

2020-21	2019-20	2018-19	2017-18	2016-17
319	288	370	407	462

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<u>View Document</u>
Paste link for the annual report	<u>View Document</u>	

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process **Response:** 3.52	
File Description	**Document**
Upload database of all currently enrolled students (Data Template)	<u>View Document</u>
Upload any additional information	<u>View Document</u>

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: 0

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
List of endowments / projects with details of grants	[View Document](#)

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

Response: 0

3.1.2.1 **Number of teachers recognized as research guides**

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

3.1.3.2 **Number of departments offering academic programes**

2020-21	2019-20	2018-19	2017-18	2016-17
9	9	9	9	11

File Description	Document
List of research projects and funding details	[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:

Institute Industry Relationship

The Institution has signed MOUs with industries and created a platform for students and staff to exchange the technical ideas among them. Students are exposed to scientific and technological development in the industry.

ICTACT Academy

The institution has been with ICTACT since 2010 to create a platform for industry interaction. The Institution is tied with ICTACT and connected with Oracle Academy. This interaction has been used in skill development of students and staff, conducting certification programmes like Cloud computing International Certification, Autodesk Fusion 360 etc. Youth empowerment program, Research Publication etc

Entrepreneurship Development Cell:

An Entrepreneurship Development Cell was established in the year 2011 by getting a grant through IIPC. It conducts awareness programs to promote entrepreneurship skills

Project Expo.

Students are guided to do innovative projects in social and commercial applications. Students are insisted to present their innovative ideas in the District Science centre club and Hackathon contest

The institution has initiated various establishments to strengthen the innovation ecosystem on the campus for the transfer of knowledge.

- **Staff are encouraged to take part in professional bodies to share their knowledge of research.**

- **Encourage the staff to publish papers by providing appreciation awards for publishing in reputed journals.**

- **Students are encouraged to publish their final year project in the journal and expo competition.**

- **Faculty member visit the nearby industry to provide the technical solutions to the identified problems in the industry**

File Description	Document
Upload any 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: 4

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**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	1	3

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: 0.5

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

Response: 1

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

Response: 2

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)

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

Response: 1.12

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

2020-21	2019-20	2018-19	2017-18	2016-17
20	29	31	30	30

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: 0.24

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**

2020-21	2019-20	2018-19	2017-18	2016-17
6	12	7	4	1

File Description	Document
List books and chapters edited volumes/ books published	[View Document](#)
Any additional information	[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:

NSS and YRC volunteers of PET Engineering College were involved in various social benefit activities like.

Natural Food Habits

The importance of natural food habits was circulated to the students in the nearby 15 schools and Thirumalapuram village people. Awareness was created among the people. Pamphlets containing natural healthy food were distributed to the society. Nearly 1350 students are benefitted by this awareness program

Plastics Free Environment

In order to promote the plastics free environment, students participated in a plastic removal activity held in Tirunelveli. Also they visited nearby 15 schools to promote awareness on the school campus. Posters were placed in different venues of the college to create awareness among the students. Nearly 1245 students are given awareness about plastic free environment and instructed to keep their school plastic free environment.

Tamirabarani River Cleaning

The District Collector and Anna University Tirunelveli has organised a Thamirabarani River Cleaning Camp for two years. Students voluntarily involved in the cleaning activity. They cleared the Karuvelam tree on the banks of the river. Appreciation award was received for the activity

Women's Safety Program

Students visited nearby 15 schools to promote awareness about women safety. Information about women's safety apps on mobile was explained to the students.   Even boys are informed about the safety of women and equal treatment of woman. Nearly 1106 students are benefitted by the program

Awareness Program

Various awareness programs for Cancer, Diabetics, and Tobacco were conducted for the benefit of the nearby village people.

Covid Awareness Program

During earlier stage of pandemic, Corona awareness was created by conducting Rangoli competition and created awareness about the cause and effect of the virus. Later during pandemic period, following the protocol many student were involved and split in batches and visited villagers to create an awareness about the severity of the disease and precaution to be followed. Importance of vaccination is communicated to the villagers through students. Parents were given awareness to monitor their children during online classes

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: 7

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	2	1	1

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, Government and Government recognised bodies during the last five years

Response: 86

3.4.3.1 **Number of extension and outreached 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**

2020-21	2019-20	2018-19	2017-18	2016-17
20	25	20	11	10

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](#)

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

Response: 47.65

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**

2020-21	2019-20	2018-19	2017-18	2016-17
660	657	335	399	315

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

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 392

3.5.1.1 **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
65	133	73	76	45

File Description	Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	
Any additional information	

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 12

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**

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	3	2	3

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

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:

Yes

The campus is spread over an area of 36 acres with a built-up area of 34545sq. metre comprising buildings of high-standard, classrooms with proper ventilation and ICT facilities, numerous laboratories, auditorium and library.

Facility	Total Number	Total Area (Sq. m.)
Instructional Area		
Classroom	35	2748.82
Laboratories	44	5009.66
Research & Development Cell	1	75.60
Computer Center	1	150.00
Research Lab	1	84.19
Seminar Hall	4	860.75
Drawing Hall	2	416.78
Workshop	1	271.20
Library	1	504.82
Training & Placement Cell	1	83.17
Administrative Area		
Chairman Office & Board Room	1	69.03
Dean Office	1	25.73
Principal Office	1	31.06
Administrative Office	1	318.86
Controller of Examination	1	73.96
General Store & Book Store	1	461.19
Maintenance Office	1	52.25
Housekeeping Section	2	16.16
Security Guard Room	1	15.81
HOD's Room	8	193.72
Department Store Room	10	394.59
Department Library	7	234.30
Faculty Rooms	8	466.16
Physical Director Cabin	1	24
Multipurpose Hall/ Auditorium	1	525.82

File Description	Document
Upload any additional information	[View Document](#)

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

Response:

Yes

Facilities for Sports

S. No.	Description	Nos.	Area (Sq. m)	Size (m)	Year of Establishment
A	**Sports**				
	400 m track	1	19950	185 x 95	2000
	Long jump	1	19950	3 x 30	2000
	Triple jump	1	19950	3 x 40	2000
	High jump	1	19950	5 x 9	2000
	Shot put	1	19950	--	2000
	Discus	1	19950	--	2000
	Javelin throw	1	19950	--	2000
	Hammer throw	1	19950	--	2000
B	**IndoorGames**				
	Table tennis	5 Boards	61	10.1 x 6	2000
	Chess	10 Boards			2000
	Carrom	10 Boards			2000
C	**Outdoor Games**				
	Cricket Ground	1	19950	201 x 180	2000
	Footbal	1	19950	100 x 60	2000

	l Ground					
	Handball Court	1		2016	40 x 20	2000
	Volley ball Court	2		714	18 x 9	2000
	Kabaddi Court	2		660	13 x 10	2000
	Badminton Court	2		748	24 x12	2000
	Tennikoit Court	2		336	20 x 10	2000
	Throw ball Court	1		600	20 x 10	2000
D	**Gym - Gents**			55	10.2x5.35	2000
	Weight lifting Olympic rod	1				
	Normal bench presser rod	2				
	Zigzag bench presser rod	1				
	Dumbbell sets	20				
	Treadmill	1				
	Elliptical	1				
	Abdominal King	1				
	Cycling	2				
	Hydraulic bench pressure and squard	1				
	Horizontal bar	1				
	Parallel bar	1				
E	**Gym-Ladies**			55	10.2x5.35	2000
	Treadmill	1				
	Swiss ball	3				
	Cycling	2				
	Elliptical	1				
	Dumbbell sets	20				
	Stepper	1				
	Hip rotator	2				

Yoga Centre:

- Yoga helps the students and staff to perform well in their Academic endeavors.

- Our Institute is providing Yoga training by professional trainers from reputed organizations to the students & staff. Also, our college is celebrating International Yoga Day every year.

- Yoga teaches the importance of human body elements such as Brain, Conscience, Mind and Body.

Cultural Activities:

- These activities allow students and community members to come together to connect more deeply with the cultures of the world.

- A variety of fun events and activities designed to help students meet other people and connect with the university community.

- These events typically happen once a year and are a great opportunity to join together.

- Participation in cultural activities results in enhancement of the personal skills and experiences like confidence, self-presentation, teamwork and collaboration, time management and organizational skills.

File Description	Document
Upload any 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: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 40

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)

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

Response: 64.57

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

2020-21	2019-20	2018-19	2017-18	2016-17
86.79	90.2	132.06	149.10	146.14

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](#)

4.2 Library as a Learning Resource

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

Response:

Yes

Library is automated using INSPRO PLUS Software, Integrated Library Management System.

- Name of ILMS software : INSPRO PLUS

- Nature of automation : Fully

- Version : 6.1

- Year of automation : 2002

File Description	Document
Upload any additional information	

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	
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	

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: 8.26

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
1.91	6.61	6.27	6.195	20.33

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

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for

online access) during the latest completed academic year

Response: 10.42

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

Response: 97

File Description	Document
Details of library usage by teachers and students	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Yes

The college has adequate information technology facilities including Wi – Fi and internet connections well spread throughout the campus and it is updated frequently. The institution is equipped with 443 internet connected computers. The college has well-equipped smart class rooms and conference halls with all modern facilities like LCD projector.

The entire college campus is connected through a fiber optic network and each lab is well connected through a LAN facility, which ensures reliable connections all the time. Internet Facility is available in all departments and all the computing laboratories of various departments within the campus.

The campus has integrated software for various administrative and academic activities. The college uses various open source and license software which are upgraded periodically with the latest version.

System Administration Cell (SAC) is constituted to cater to the needs of IT related issues of the campus such as Software, Hardware and Networking, Website site designing and maintenance, Email, SMS solutions, etc.

All the computers are connected with uninterrupted power supply for safe operations and security is also ensured due to the usage of hardware firewalls. The various other computing facilities are like printers, software, database, dedicated lease-line of 50 Mbps bandwidth with Wi-Fi and Campus networking. Campus network enables remote learning, conferences, collaborative research, industry relations, alumni and remote recruitment, competitive examinations conducted by the Government.

Network Security

The Network Security is ensured through a dedicated Hardware Firewall subscribed. This is still working on our college campus.

- Cyberoam Feature Ready – CR200iNG Firewall

The institution has a private Local Area Network (LAN) which has been entrusted with the firewall. It also has a Dedicated Leased Link (DLL) of 50 Mbps from Arjun Telecom (Pvt.) Ltd., through AIRTEL services.

Storage Devices (Cloud Storage)

All the students and faculty members are provided with e-mail and group mail under Google G-Suite domain upto 1TB Storage through Google Apps.

File Description	Document
Upload any additional information	[View Document]()

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Student – computer ratio	[View Document]()

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 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: 64.57

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)

2020-21	2019-20	2018-19	2017-18	2016-17
86.79	90.20	132.06	149.10	146.14

File Description	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:

Yes

Introduction

Our institution has well established maintenance systems for maintaining physical, academic and support facilities.

Physical Facilities Maintenance

An exclusive housekeeping department takes care of the complete campus maintenance. The Class Rooms, Smart Class Rooms, Laboratories, Seminar Halls and Rest Rooms with Toilets are cleaned on a daily basis. This ensures the proper cleanliness of the campus. During the class committee meetings, students' feedback is taken on infrastructure maintenance complaints and suitable remedial actions are made. Infrastructure and Learning resources team Head and members ensures quality of maintenance of physical facilities in each block.

Academic Facilities Maintenance

All the equipment's instruments, machineries are properly used and maintained as recommended by the manufacturer to minimize the wear and tear. Our Institution has a list of genuine vendors for maintaining and up keeping the infrastructure. The stock verification is being carried out every semester and maintenance requisitions are invited from lab in-charges through proper channels.

Support Facilities Maintenance

The external agencies hired for the maintenance of fire extinguishers and generators. To maintain the internet connectivity and CCTV security system, a system administration team is appointed. 24/7 maintenance system was provided for effective maintenance of all works in the campus. Institution has an exclusive maintenance mechanism where students and faculty members can lodge their complaints on electrical and plumbing faults. The maintenance team will rectify the problems immediately on a 24/7 basis. There is staff to look after the maintenance and repair work of furniture and fixtures and other physical infrastructure.

File Description	Document
Upload any additional information	[View Document](#)

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: 64.6

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
580	551	733	795	872

File Description	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: 26.96

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
328	225	363	379	101

File Description	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: B. 3 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: 14.22

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**

2020-21	2019-20	2018-19	2017-18	2016-17
85	96	218	231	172

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	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: 42.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
85	96	218	231	172

File Description	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: 7.81

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

Response: 25

File Description	Document
Details of student progression to higher education (Data Template)	[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: 26.67

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**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	1	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**

2020-21	2019-20	2018-19	2017-18	2016-17
0	9	3	1	0

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: 22

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	4	8	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](#)

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:

- The Institute encourages participation of student representatives in various academics and administrative committees.
- Various committees are formulated involving students with the objective to promote a) leadership quality among students b) to equip them for becoming responsible citizens c) self-reliance, service to the people and duty towards development of the nations
- In the **Department advisory committee**, the student representatives contribute their suggestions regarding academic issues, latest requirements in the industry and necessary components in the curriculum.
- The Student representatives in the **IQAC cell** are involved in the academic planning and ensure matters related to the holistic development of the students.
- **Class committee** consisting of student members discusses the conduct of class work, delivery of lecture, internal result analysis and evaluation process for theory and practical classes.
- In the **library committee** the student representatives promote awareness regarding the advantages of using the library in addition to the multiple benefits of inculcating reading habit which is getting dwindled due to the proliferation of social media
- In order to develop technical skills, managerial skills and to bring leadership quality to our students the departments have formed **Associations** and conduct many symposiums, workshops and guest lectures every academic year. The association activities provide ample opportunities for updating the technical acumen and communication skill of students.
- The symposia especially are planned, organized and conducted by the students under the supervision of the faculty in-charge.
- The students organize **industrial visits** by framing a committee among themselves and allotting responsibility to each committee. The work demands significant planning which starts from gauging the student interest, gaining approval from college authorities, contacting industries, meeting parents and preparing itinerary needs.
- The students in the **anti-ragging committee** play a prominent role in creating a cordial and healthy relationship among the students without causing any physical or mental torture to the new entrants
- A separate Committee to attend to the problems faced by the students belonging to the **backward community** is formulated where the student representatives report the practical problem faced by them and guide their community to utilize the concessions provided by the government.

- **Women cell** composed of lady faculty and girl students aims at creating awareness among girl students and the problems faced by women due to gender issues.
- **NSS and YRC** in the institute, comprising two staff and student volunteers aims at arousing the social consciousness of the youth with an overall objective of personality development through community service. Various social service programs and awareness programs are conducted by the club.
- Students involve and organize blood donation camps, rural health and sanitation awareness programs in the nearby villages and schools
- In the **Hostel committee** the members play a major role regarding food quality, hygiene and also takes initiatives to bring forth academic improvement of the hostel inmates

The Students involve themselves in events such as **College day, Independence Day, Republic day, Sports day** and various activities of the college, Such involvement nourishes them socially, psychologically and intellectually.

File Description	Document
Upload any 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: 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**

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	2	2	2

File Description	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:

For the last two decades PETEC is heralding a decisive impact on society. The Alumni Cell serves as an interface between PETEC and the Alumni. It organizes alumni reunions. Notable alumni meets are held at Dubai, Chennai, Kerala, Ooty and other important places. Alumni who are now field experts bring their knowledge back to their alma mater through technical sessions, guest lectures and campus drives.

The Alumni Association of PET is registered with the Registrar of Society. The Alumni Association cell in coordination with Training and Placement cell organizes alumni meet every year. Senior Alumni also interacted with the students and guided them in preparing for the interviews in core and multinational companies. Alumni are also guiding the final year students regarding their projects.

The Alumni also contributes significantly through rendering their support to various committees formulated in the college for the integrated functioning of the institution. In certain committees like placement cell, department advisory committee, and the Alumni cell the alumni are involved directly and share their constructive and productive inputs to the comprehensive development of the college.

The Alumni of PETEC in collaboration with the Training and Placement cell has contributed to progression of the placement opportunities of the students. The Alumni association renders financial support which is extended to deserving students whose parents do not have a fixed source of income.

As a matter of pride for the alma mater, our Alumni occupying a prominent position in the society have been invited as chief guests on several occasions in the college. The alumni are an asset to our college. Also, successful alumni can be rolemodels.

OBJECTIVES:

- To communicate on regular basis with the members of the Alumni and the college keeping mutually informed the developments of the Alumni as well as the college
- To foster more extended relationships between alumni and present students, staff and others associated with the College.
- To organize, Seminars to the students to make them aware of the updated technologies with the guidance from alumni. Seminars provide the latest information about the things which are happening in engineering and technology.
- To encourage Alumni to act as ambassadors of the college and assist in the further development of the members and the College.
- To generate funds for the development and betterment of the College and also for the promotion of the objectives of the association.
- To institute prizes, scholarships to meritorious students and give financial aid to poor and deserving students of the college.
- To support the college with the resources it will need for its different activities.

Since the establishment of the Alumni Association regular meetings are organized & the former students enthusiastically attend these meetings. Various aspects of quality assurance sustenance & enhancement are discussed during these meetings & the necessary measures are seriously taken by the

Alumni Association. of this college to contribute towards the qualitative growth of the Institution

File Description	Document
Upload any additional information	[View Document](#)

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

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	[View Document](#)

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:

A. Vision and Mission Statement

Vision

- To contribute quality Engineers and Managers to our nation and remain a source of pride in this region.

Mission

- To generate human potential by providing inputs like competent faculty, infrastructure and laboratory equipment.
- To implement skill development programmes for Engineers / Managers to solve practical problems in the society.
- To provide avenues for developing entrepreneurial skills and to create an urge for higher studies in core and inter - disciplinary areas.

B. Nature of Governance

- The institution follows a democratic and participatory mode of governance with all stakeholders participating actively in its administration. The Governing Body delegates authority to the Managing Trustee, Secretary and Principal who, in turn extend the authority to the Heads of Departments, the Conveners of various committees and coordinators of different cells.
- Various committees have been constituted to assist the Principal in the administrative and academic matters. The College encourages faculty members to take active participation in various activities of the College.
- To create and sustain conducive teaching and learning ambience, the faculty members are constantly motivated to pursue research programs, publish papers in journals of high Impact factor and attend orientation programmes, refresher courses, conference and FDP, resulting in realization of full potential of the faculty member and transfer of higher knowledge to the students.
- The Management provides Scholarships to the economically deprived and socially backward students and creates an urge for higher studies in core and inter - disciplinary areas.
- To ignite and endow young minds with a deep sense of justice and fair play, truth and non-violence, patriotism and service, students are motivated to join various forums such as NSS, Rotaract club, Red Ribbon club, Youth Red Cross**.** Various activities such as Environmental awareness, Plastic ban and voters awareness rally road safety awareness women empowerment programmes river cleaning campaigns have been taking place periodically.
- Open opportunities are provided for the students to participate in co-curricular and extra-curricular activities.
- Guest lectures, short-term training programmes, value added courses, FDPs, conferences and

seminars are conducted for faculty members and students to make them highly educated. Training and Placement Cell has been established for offering corporate training programmes to impart soft skills, managerial skills to achieve a better track record in placement.

- Alumni Association has been established for networking the Alumni as they act as ambassadors of the institution.
- The collective efforts of the management, the principal, Head of the department, faculty coupled with the alumni, stakeholders and philanthropists have contributed to the effective and progressive functioning of the institution.

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 Management of the College empowers the Offices of Academics and Administration with the necessary powers to execute the tasks and contribute valuable suggestions for the betterment of the College. Prior authorization is sanctioned by the Management for arranging academic programmes like seminars, conferences and workshops. The Heads of the Departments and the Coordinators carry out their departmental activities independently under the guidance of the Principal, the faculty members and student representatives. Each department frames a committee for conducting the programs and the students are entrusted with responsibility to execute the different events to improve their team spirit, leadership skills and interpersonal skills.

- The Principal takes decisions in the academic frontiers in tune with the vision and mission of the institute as well as the regulations of the Anna University, Chennai.
- The Principal, HODs, Academic Coordinators, Physical Director and coordinators of various committees meet before the commencement of the academic year to prepare the academic calendar.
- Regular meeting is conducted every fortnight by Principal with the HODs to review the progress of the students, faculty, activities and assess the needs of the programs like lab equipment, calibration, consumables etc.,
- Inputs received from meetings with students, faculty and HOD play a pivotal role in the development of the institution. The suggestions are discussed and analyzed for implementation during the HODs meetings. The valid points are escalated to the top management during the Principal's meetings with the management.

- The Faculty members and Non-teaching staff members are the constituent members of various committees of the College. Students are also involved in the organization of clubs and associations.
- Class committee is constituted for every class/section of the college comprising at least 10% of student representatives, class advisors, mentors and the faculty members who handle subjects for that particular class. The committee will meet thrice every semester and discuss various aspects of

teaching-learning process. This meeting will facilitate both the students and faculty members to improve upon their functions. This type of individual participation at the core level has helped the college to create an academically strong atmosphere and produce better academic performances.

- Every year the Academic Planner is prepared at the closure of the previous academic year. Principal will convene the HODs' meeting.
- In the Planning phase, all departments submit the resource requirement request, if any, to the Internal Quality Assurance Cell (IQAC). IQAC collects the request and also verifies the infrastructure availability for smooth functioning of the forthcoming semester. College academic calendar of events comprising the reopening date, Internal Assessments date is framed before the commencement of the semester, based on the University academic schedule.
- The syllabus completion, the teaching methodology and feedback received from the students are regularly monitored by the Senior Tutor, Head of the Department and is further brought to the notice of the head of the institution. Similarly the student's attendance is maintained by the Staff in charge and monitored by the Senior tutor and the Head of the department.

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:

The institution had a humble beginning in the year 1998 and is witnessing an upward journey in creating and expanding infrastructure facilities. Though the needed facilities are in place as per requirements, they are enriched with the aim of fulfilling the goals in the strategic plans which go beyond the syllabus as well to make the student fraternity not only successful professionals but also responsible citizens of the nation.

Effective strategic planning requires identifying and implementing strategies that will move PETEC to a better desired future as an educational and research institution in Vallioor as well as in Tamilnadu. In the preparation of the Perspective Plan, the IQAC of the college has taken initiatives to obtain inputs from all the stakeholders viz, Management, Principal, faculty, administrative staff, students and parents.

The prime role of IQAC is to suggest quality measures for the betterment of an institution. While preparing a road map for future growth, the members of the IQAC have considered Feedback from all the stakeholders and the recommendations are specified in the meetings of the IQAC. Student feedback, self-appraisal of teachers, faculty training programmes arranged by the college as well as attended by teachers, encouraging teachers for research are some of the measures initiated with priority.

The Institution has plans for the development of Strategic/perspective plan for the period from 2018 -

2023.

- To get NAAC accreditation.
- To get NBA Accreditation.
- To motivate all the faculty members to register Ph.D by 2021.
- To become one of the premier technical institutes by 2023.
- To Improve the Employability skills of the students.
- To encourage the students participating in co-curricular/extracurricular activities.
- To get research centre recognition for eligible departments.
- To encourage faculty members to publish papers in reputed International/National Journal with a good impact factor.
- To offer more value-added certification courses in addition to the existing courses and provide coaching for competitive exams.
- To utilize R&D cell as a platform to disseminate scientific knowledge to the academic community by conducting international and national level conferences and workshops.
- Improving the number of MoUs with industries, national and international organizations.
- To start technologically strong incubation / Start-ups centre.

a. Deployment Procedure

The procedure which is framed by the top management and head of the institution, they are communicated to the faculty, staff, students and other stakeholders through meetings, emails, notice board, website and advertising media.

b. Case Study – Impact of Strategic plans in Training and Placement Cell

Students who are studying in this institution undergo personality and soft skill development training programmes from first year onwards to acquire skills needed for placement. MoUs and tie-ups have been established with reputed industries and institutions to promote training and placement. Students are encouraged to carry out project works, in-plant training in reputed industries to gain better practical exposure in their field of study. Through this planned activity of PET ENGINEERING COLLEGE, about 873 students were placed in reputed companies in the last five years.

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, service rules and procedures, etc.

Response:

The organization has a well-structured administrative setup with the Governing Council as the highest decision-making body in association with the principal, administrative officer, head of the department and 38 committees.

a. Functions of the Governing Body:

The governing body guides the college to fulfil the objectives for which the college has been approved by AICTE. All recruitment of Teaching Faculty/Principal is made by the Governing Body in accordance with the policies laid down by AICTE. It also approves the annual budget of the college submitted by the IQAC cell and performs other functions.

b. Roles & Responsibilities of Principal:

The responsibilities of a Principal is regulation of academic & general administration and monitoring the systems, policies, procedures and functioning of the institution so as to fulfil the expectations of the governmental monitoring bodies such as All India Council for Technical Education, Department of Technical Education and the University; along with the expectations of the top management; students and their parents.

c. Roles & Responsibilities of Administrative Officer:

Administrative officer (AO) is responsible for over-all administrative functions, Campus maintenance and Public relations among others. He is also responsible for day-to-day administrative functions and execution of policies, procedures, and practices of administrative activities. He serves as the liaison officer for government departments, authorities, and other stakeholders.

d. Roles & Responsibilities of Heads of Departments:

The heads of the departments coupled with the efforts of the senior tutors play a key role in the operation of the academic aspect. The co-curricular activities of the college and extracurricular activities are also planned and scheduled by the suggestions received from the different committee heads.

e. Service Rules of the institution

The college management formulates the terms and conditions of service for regulating the administration of the institution.

f. Procedure of Recruitment:

The recruitment and selection of staff are highly effective in terms of its rigorous adherence to the policy and procedures laid down by the Institution Management and norms of the statutory bodies. The process goes as follows:

- The selection committee comprising the Management, the principal and the head of the departments recommend suitable candidates based on the performance.
- The consolidated faculty requirement is then sent to Management and also submitted to the Governing Council for final approval.
- Applications for various posts are invited through advertisement in the newspapers, and the head of

the concerned department scrutinizes the applications and shortlists the candidates.
* The Principal finalises the date of the interview in consultation with the Management. The interview date is informed to the shortlisted candidates.

g. Promotional Policy:

The employees are promoted based on their completion of service, additional degree earned and appraisal of self-assessment forms.

h. Grievance Redressal Mechanism:

The Grievance Redressal Mechanism of the institution is an easy and readily accessible procedure for prompt disposal and remedy to the day-to-day genuine grievances of the staff and student so as to maintain a congenial atmosphere. Received grievances are addressed and sorted out confidentially by the authorities concerned.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[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](#)

6.3 Faculty Empowerment Strategies

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

Response:

a. For Teaching

- As per the provisions of provident fund act, institute contributes to Provident Fund and it is implemented to all eligible members.
- Group Insurance scheme for staff members.
- Immediate increments after earning Ph. D. Degree.
- Sanction ODs for the University assigned duties such as Exam invigilation, Central Valuation etc.
- Financial assistance shall be extended to the faculty members to attend conferences/FDP/STTP/Workshop.
- Sanction TA and DA for outstation conferences and symposiums for deserving staff.
- Granting permission to the faculty to attend conferences, symposiums and workshops to acquire knowledge on advanced topics at least once in a semester, by sanctioning OD.
- Permission to avail study leaves for doing Ph D, higher education, Training Programmes, and Faculty Development Programmes regularly for professional up-gradation of the faculty.
- Fee concession in the hostel facility for residential staff.
- Provision of 3 permission leaves per month (1 hour), 5 Medical leaves per year as well as 12 Casual Leaves per year.
- Grant of Maternity Leave to female staff for six months
- Provision to avail summer and winter Vacation for staff members.
- Special leaves for marriage and also for emergency reasons.
- Centralized canteen facility.
- Wi-Fi enabled campus to be utilized.
- Sports and Cultural Meet for teaching staff.
- Library facilities are made available.
- Recreation tour arranged for teaching staff.

b. For Non -Teaching

- As per the provisions of provident fund act, institute contributes to Provident Fund and it is implemented to all members.
- ESI Scheme is implemented to all members.
- Group Insurance scheme for staff members.
- Sanction TA and DA for outstation skill training programs for deserving staff.
- Provision of 3 permission leaves per month (1 hour), 5 Medical leaves per year as well as 12 Casual
- Leaves per year.
- Provision to avail summer and winter Vacation for non-teaching faculty.
- Grant of Maternity Leave to female staff for six months
- Fee concession in the hostel facility for residential staff.
- Sports and Cultural Meet for non teaching staff.
- Wi-Fi enabled campus to be utilized.
- Centralized canteen facility.
- Recreation tour arranged for non-teaching faculty.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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: 61.32

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**

2020-21	2019-20	2018-19	2017-18	2016-17
75	77	78	67	70

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: 6.2

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**

2020-21	2019-20	2018-19	2017-18	2016-17
5	7	5	7	7

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	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: 54.32

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**

2020-21	2019-20	2018-19	2017-18	2016-17
74	64	71	58	56

File Description	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:

a. Instructions to fill Self Appraisal Form for teaching staff:

Self appraisal form comprises two sections in which Part- A constitutes of Personal information as well as educational qualification and Part- B constitutes of Academic proforma. Here Part-B plays a vital role in the calculation of Academic Performance Indicator score and it is categorized into four sub parts. They are

CATEGORY I: Teaching Learning Evaluation and Related Attributes

A. Teaching, Learning & Evaluation related Activities

| Course files, University analysis for the respective classes taken should be based on verifiable records.

Mark will be awarded as mentioned below,

100%-80%- 20 Marks

70% -79% - 15 marks

50% -69% - 10 marks

Less than 50% - 5 marks | Max Sc |

B. Regularity and punctuality

| It should be taken based on the faculty's involvement in the department.

Very good -5 marks

Good- 4 marks

Satisfactory- 3 marks

Unsatisfactory- 0 marks | Max Sc |

CATEGORY II: Co-curricular, Extra-curricular, Professional development related Activities

A. Training Courses, Teaching learning Evaluation Programme, FDP programme attended.

| Faculty should attend FDP/ STTP/ Workshop / Training course / Induction programme minimum of 5 days per year : 20 marks

Less than 4 days : 15 marks

Less than 3 days : 10 marks

Other : No score | Max Sc |

B. Membership of professional bodies, editorship of journals etc., during the academic year

| ID card or relevant certificate proof | Max Sc |

CATEGORY III: Research, Publication & Academic Contribution related Activities

A. Published papers in journals / Conference

| Faculty should publish their research papers in relevant journals or submitted in conferences – Verify the certificate proof with ISSN /ISBN no. (minimum a paper should be published per year) | Max Sc |

B. Books /Articles / Chapters published

Faculty should publish a book or article (Either Author or Co-Author) – Verify the ISBN / ISSN no. and publisher details (minimum a book /article should be published per year)	Max Sc

C. Research Guidance

Guidance of research scholar by Doctoral faculty (minimum 2 scholars)	Max Sc

CATEGORY IV: Faculty Contribution in Academic activities & Student's Feedback

A. Faculty Contribution in Academic activities

Involvement and contribution of faculties in college activities.	Max Sc

B. Student's Feedback

It should be taken based on the feedback form filled by the students. Excellent -5 marks Good- 4 marks Fair- 3 marks	Max Sco

b. Instructions to fill Self Appraisal Form for Non-teaching staff:

The Self appraisal form for non- teaching staff comprises ten parameters based on which the reviewer has to make his/her assessment

S.No	Parameter	Excellent (5marks)	Very Good (4marks)	Good (3 marks)	Need Improvement (2 marks)	
1	Regularity					
2	Eagerness in Learning					
3	Knowledge Upgradation					
4	Responsibility					
5	Taking initiatives					
6	Attitude towards team work					
7	Behaviour with					

	Students							
8	Behaviour with Faculty							
9	Laboratory Maintenance							
10	Maintenance of records and files							

The above appraisal form has been approved and issued by IQAC towards the performance appraisal of both teaching and non-teaching staff.

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:

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. The accounts of the college are audited by chartered accountants regularly as per the Government rules. The Internal Auditor looks after daily opening balance, receipts (fee collections), payment vouchers and collections. These payment vouchers and receipts are recorded in a cash book and are brought to the external audit wing. Internal audit is conducted monthly by the internal financial auditor of the institution. The committee thoroughly verifies the income and expenditure details and the compliance. The report of internal audit is submitted to the management of the institution and the external audit is conducted once in every year by an external agency.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

- Principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments to the management before the commencement of every financial year.
- Recurring expenses such as salary, electricity, internet charges, maintenance cost, stationeries, other consumable charges etc., and non – recurring expenses like laboratory equipment purchases, furniture and other development expenses will be included in the college budget.
- The expenses will be monitored by the accounts department as per the budget allocated by the management and the depreciation costs of various things purchased in the preceding years are also worked out.

a. Process of the internal audit:

All vouchers are audited by an internal financial committee on a monthly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the management. The same process is being followed for the last five years.

b. Process of the external audit:

The accounts of the college are audited by a chartered accountant regularly. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. The external audit is also undertaken in the Administrative Office in order to examine the financial records and statements of the College. The overall audit is undertaken during the period following the completion of every financial year so as to verify the fair scrutiny of financial documents. If any queries, in the process of audit it would be attended immediately along with the supporting documents within the prescribed time limits. The institution has not come across with any major audit objection during the preceding years.

All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for 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: 18.12

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

2020-21	2019-20	2018-19	2017-18	2016-17
3.86	3.36	3.47	6.93	0.5

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:

- The institution has a comprehensive resource mobilization policy in place. Popular Education Trust was formed for the purpose of imparting quality education to the economically and socially deprived sections of students hailing from rural and suburban area. Tuition fee and development fee collected from the students is the main source of income for the Institution.
- The institution coordinates and conducts online examinations for private and government sectors via TCS, C-DAC, National Test Agency. The revenue collected from these examinations are utilized to upgrade the infrastructure of the institution.
- Moreover, no extra charge in the name of donation is collected from the students. Students are availing scholarships from the College Management and the Government. As far as the optimal utilization is concerned, the college has directed the revenues received from the students, philanthropists, alumna in the form of building of infra-structure, general maintenance, construction of laboratories and extension of library facilities, maintenance of ground for sports and purchase of sports equipment and provision of fee concession and financial aid to the deserving students. Adequate funds are allocated for effective teaching-learning practices that include orientation programmes, workshops, and inter-disciplinary activities training programmes that ensure quality education.
- The types and methods of resource mobilization are discussed in Staff meetings, meetings and are approved by the Governing Body of the college. It is also discussed in the Alumnae Association meetings. Budgeted expenses are compared with projected revenue and necessary modifications are done as and when required. So far, no situation of deficit has occurred.
- Every year the management allocates the budget in tune with the budget submitted by each department under the supervision of the respective HOD'S duly signed by the principal which is then sent for approval to the IQAC cell. After being approved by the IQAC cell, it is submitted before the Governing council. The Management also allocates budget to create and upgrade the infrastructure.
- 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 the society. The institute is committed to provide excellence in research.
- The R & D cell of the institution organizes seminars, conferences and other co curricular activities for which the budget is allocated and approved by the Governing Council through the management.
- Green ambience is created in the campus for which separate funds are allocated and judiciously utilized. To maintain biodiversity various tree plantation programs are being organized at college campuses and surrounding villages through NSS.
- The college utilizes the funds generated for various social service activities like blood donation camp awareness programs in schools and villages, Cleanliness programs etc.

The main motto of resource mobilization is to put PET Engineering College on a bench mark in tune with quality and teaching and unique growth of students.

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:

Yes, the College is having its IQAC Cell.

This Cell was established and functions on the basis of the guidelines set forth by NAAC. It works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure and offering suggestions for the new courses. IQAC has an effective and efficient internal coordinating and monitoring mechanism.

The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every semester to plan, direct, implement and evaluate the teaching, research and publication activities in the College and the sub-committees of the respective departments implement the IQAC guidelines.

Student feedback mechanism, self-appraisal by teachers, introduction of teachers training programmes, faculty improvement programmes, establishment of staff academy, encouragement to teachers for research are some of the measures taken for quality sustenance and enhancement.

Most of the decisions of the IQAC have been approved by the Management. Our College has become fully aware of the need for quality and keeping in line with ISO certification has been obtained. To sustain and grow in this competitive world, it is imperative to adopt uniform standards to facilitate our efforts for providing the best possible education to our students.

To improve the quality our college has started a separate placement cell to source companies for recruitment of the students on campus and place them appropriately, based on the recommendation of IQAC. This cell strives constantly to have a better connectivity between the job seekers and the job providers. Every year a team of faculty members such as TPO and DPO, a part of placement cell identifies the qualified students from each Department and provides necessary guidance and support for placing them. This team coordinates effectively with the placement cell officer to make all required arrangements such as preparation of prospective list of students, scheduling interview dates, provision of computer labs for online mode of exams and follow-up of appointment letters, etc.,

As a quality measure our college started an R & D cell to flourish and enrich the quality of faculty and organize various research activities. The R&D cell encourages and motivates the faculty and students to take part in conferences, seminars, innovative projects, publication of papers, organize guest lectures, webinars, online quiz programs, training for competitive programs etc., it also promotes the staff and students to do research and higher studies.

The Alumni cell of the institution has been functioning effectively like conducting Alumni meet, organizing workshops and seminars by alumni, conducting placement drives and also giving financial aid to the deserving studious economically backward students. The IQAC plans to promote the initiative of starting an Incubator Cell by the alumni association.

Though we have memorandums with several institutions like ICT academy, Tamilnadu, Reem International Pvt.Ltd, Sakthi Automobile industries, Agape technology, Nellai Polymer, Face it App, SA constructions, Hifi Technologies, Banu constructions the College aims to collaborate with other reputed institutions and universities.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for 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:

The Academic Schedule is prepared by the Principal with the guidance of the University Academic Calendar. The Academic Schedule is verified by the Management and the Governing Council.

a. Proper Subject Allocation

- Subjects are allotted to the faculty based on their qualifications, expertise, experience, willingness and skill matrix. Time-table for the entire semester is framed with the provision for Library/NPTEL Lecture, project hours and technical training.
- Students are also encouraged to use various online portals like MOOC, Udemy, NPTEL etc.
- Students are motivated to participate in national and international competitions such as TCS Code Vita, ICTACT youth talk, Syntel Hackathon etc.

b. Preparation and Review of Lesson plan and Notes of Lesson

- Lesson plans and notes of Lesson in the course file are prepared by the individual faculty for their

subjects. The   course files are further verified and approved by HOD, Principal and by the Internal Audit committee.

c. Maintenance of attendance in each section, department and College

- Student's attendance is maintained and monitored through the Senior Tutor and Tutor system weekly and a monthly report is generated and displayed in notice boards.
- The class committee meeting is conducted before every internal assessment tests to monitor the progress of course lectures as per lesson plans and to discuss issues related to academics.

d. Evaluation of Teaching and learning Process

- Review meeting is conducted by the Principal with the HOD and the Class Advisors regarding the result in the Internal Tests. Decisions are made in that meeting for further improvement in the subjects.
- Coaching Classes and Practice tests are conducted for the slow learners to improve their Academic performance. Slow learners are identified based on the results obtained in the previous semester and current internal assessment tests. Extra classes are conducted for those students for further improvement in their academics.
- And also for weak students we are provided with minimum scoring method notes by providing important questions from each unit for all subjects. Attendance sheets and the marks statement of the Practice test and Coaching Classes are verified by the Head of the Departments and the Principal.
- Seminars are conducted by students on the topics assigned by faculty members either as oral presentation or by using ICT tools. Assignments are given to students to improve their skills of application on their related subject.
- Feedback from the students is received through the Class Committee meetings regarding the improvement required for the Teaching-Learning process. Then the feedback is analyzed and evaluated. And the total score is shown to the faculty along with suggestions. Further, faculty members are counseled by the HOD and Principal if required. The feedback mainly focuses on various teaching skills like presentation, communication, knowledge transfer, teaching methodology content covered, innovative practices followed etc. The Principal also receives the feedback by interacting with a selected group of students from each class.

Further to ensure quality assurance ISO auditing has been conducted for the last five years.

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 intitiatives 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

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:

PET Engineering College makes sincere efforts to empower women faculty and students. Vishakha committee (Women Cell) is working towards women empowerment. The cell takes care of the grievances of girl students and female staff members related to gender discrimination, violence and sexual harassment on the campus. In the campus, CCTV Cameras are installed at different locations to ensure the safety and security of the students. Each laboratory is provided with fire extinguishers for the safety of the students. Anti -ragging committee has been formed inside the campus for monitoring ragging incidents. For every single incident of ragging, a FIR shall be lodged without exception by the college authorities with the local police.The major objective of the counselling is to facilitate Academic, Emotional, Social and cognitive development of the students hence to empower them in their learning and personal development. Counselling is an integral part of the total educational enterprise. Other than students, parents and teachers are also getting benefits from the counsellor in order to pave a path to the students inside the campus and in their homes.

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](#)
Link for annual gender sensitization action plan	[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: A. 4 or All of the above

File Description	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:

PET Engineering College believes in "Let's go green and keep our campus clean; pivotal operations have very less impact on the environment as the institute is very conscious of generating less waste and recycling it by passing it through a system that enables the used material to be reused ensuring that less natural resources are consumed. Environmental initiatives like use of renewable energy, Rain water harvesting, Zero water discharge, No smoking zone, waste management system etc have been implemented. Environment consciousness is embodied in the heart of the college by tree plantations from every year which is the predominant motive of the management to maintain the pristine purity and beauty of the college and also to provide a congenial atmosphere for the academic and non-academic pursuits.

File Description	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
Link for 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
Link for any other relevant information	[View Document](#)

7.1.6 Quality audits on environment and energy are 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: A. Any 4 or all of the above

File Description	Document
Link for 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. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for 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: B. 3 of the above

File Description	Document
Link for 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:

Institution provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities organized inside the college promote harmony towards each other. Institute has a code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal

socioeconomic and other diversities.

Several programs are conducted which establishes positive interaction among people of different racial and cultural backgrounds.

- **Trekking Program**

- **Awareness Program on "Plastic Free Environment"**

- **Awareness Program on "Natural Food Habits"**

- **Diabetes and Benefit Camp**

- **Blood Donation Camp**

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[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:

Values are our guidelines for our success - our paradigm about what is acceptable. Human behavior depends on the characters defining the identity, choosing the values and establishing the beliefs. Human values includes morals, integrity, peaceful life, respecting others, honesty(Truthfulness and trustworthiness), caring, kindness, courage, sharing, time management, adjustment(co-operation), self confidence, commitment, spirituality and Service-learning a teaching method which combines community service with academic instruction as it focuses on critical, reflective thinking and civic responsibility.

Ethics is an activity which concerns the investigation of moral values in moral issues. As an Engineer is concerned he/she should have an ethical as well as a social responsibility to himself, to his subordinates and to his society. The set of standards adopted by professionals is called Professional ethics. Every profession like teaching, medicine, law etc has its own professional ethics. The set of ethical standards that are applicable for an engineering profession is known as Engineering ethics.

In our college we are conducting several programs related to Human Values and Ethics to enhance the character of the students. It is hoped that because of this effort made by the Institution towards Human Values and Ethics we ensure that the students are made aware of the problems and their possible solutions through self exploration. Also we ensure that the students internalize the fact that they have to respond to situations instead of reacting. At the same time, the Institution will facilitate

the students to identify their societal responsibilities. Through the activities conducted an effort is made to rid society from the ills prevalent. Further through these programmes we ascertain that the students realize that they have a lot of potential which when realized will propel the society forward in a positive direction.

The following programs are conducted to enhance the character of the students:

- **Rights and Responsibilities of Voters**

- **Awareness Programme on Measures to control Cyber Crime**

- **Awareness Programme of Mobile Addiction**

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	

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: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	
Any other relevant information	

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

Response:

The college believes in celebrating events and festivals in college. It is an integral part of learning

and building a strong cultural belief in a student. The College makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year

Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. The institution practices a pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

Our institution is committed to promote ethics and values amongst students and faculty to encourage the same by organizing the National festivals as well as Anniversaries for the great Indian Personalities.

- Teachers day (5th Sept) As birthday of great teacher Dr.Sarvapalli Radhakrishanna

- Engineers day (15th Sept) The Birth anniversary of Sir. M. Visvesvaraya the great Engineer of the country.

- International Women's day (8thMarch)

- Youth day(12th January)

- Independence day(15thAugust)

- Republic day(26thJan)

- World environment day(5th June)

- World Cancer day(4th February)

File Description	Document
Link for any other relevant information	[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:

The institution has implemented various best practices like internship program, experiential learning for the development of theoretical and practical knowledge of the students in their subject area. Workshops and guest lecturers were given by the Alumni of our institution to promote the

idea regarding corporate requirements and future challenges.

The institution motivates the staff and students for their accomplishments with rewards and recognition. The staff as well as the students needs different levels of motivation. The staffs are motivated for producing good academic results, best senior tutor, best department, appreciation for publication in journals and books. The students are encouraged by giving awards for academic toppers, university rank holders, regularity in attendance, extra and co-curricular activities, participation in other college events, best outgoing student, Gem of PET, award for proficiency in English language, active participation in clubs etc. The institution encourages the participation of students in NSS and YRC units to develop their social and civic responsibility and mould them into responsible citizens.

File Description	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:

As a distinctive practice, the college 'GEM OF PET' has set the most coveted award which is conferred to one boy and one girl who exhibit exemplary performance in academic, sports, co-curricular activities, personality development and upright ethical behavior.

The GEM of PET award is earned after mounting several hurdles and marching ahead gloriously amidst tough competition. The GEM of PET, the most prestigious award of PETEC specifically for pre final year students adheres to certain eligibility norms and rules to participate in the competition. The candidate should have good academic record with no history of arrears and an aggregate of 80% attendance in all the previous semesters. The candidate should not have been suspended or punished either by disciplinary action committee on account of disobeying any of the college rules or malpractices in Anna University examination. The GEM of PET competition comprises of nearly eight to thirteen rounds. The students undergo rigorous test in each round and finally one boy and girl emerge successfully with the highest score. It is imperative that the students should also posses social responsibility and should have active participation in social activities organized by NSS,YRC and other social clubs of the college. GEM of PET is a much sought after dream of every PETEC student. The seed for this aspiration is sown in the hearts of the students right from the first year. Preparing for this incredible achievement attained in the third year boosts their self confidence and grooms them for bright career prospects.

File Description	Document
Link for any other relevant information	[View Document]()

5. CONCLUSION

Additional Information :

Our Core values

- Professionalism, Commitment, Integrity, Team Work, Innovation

Concluding Remarks :

The self-study report has attempted to provide as extensive and objective a picture of the PETEC as possible. The SSR reflects the evolution of the college since the last cycle of accreditation, the current thinking and practices of the college, as well as its plans and aspirations. It represents an attempt to undertake an analytical and critical introspection by the college which has led to an enhanced understanding of many issues, concerns, potential and insights. Our College is open to all the innovation and progressive ideas and programmes to improve the ability of the students by exposing them to the latest and the best material available in the field of knowledge. It has achieved benchmarks and is always engaged in renewed endeavor to achieve newer bench marks.

In a fast changing academic environment the college is well poised to take on future challenges of higher education. The college strives to maintain and sustain standards of teaching- learning, process and innovation which continue to guide curricular and co-curricular thrusts of the college. One of the major strengths of the institution is its Alumni association- which is a registered organization of Ex-Students. The Governing Body of the college works in close cooperation with the Principal, Staff and different committees to regulate and maintain an amicable and scholastic environment.

The institution is a torch bearer in innovations and best practices. It lays greater emphasis on environmental awareness. Every measure is taken to reduce the consumption of energy. The College aims to enhance its memorandums and establish collaborations with reputed Institution. It strives to formulate its strategies towards augmenting the activities of the research and development cell.

 The institute has all processes in place and required infrastructure to excel and achieve its mission. It is hoped that the SSR will serve well the purpose of providing a comprehensive overview of the college.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification

1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year**
	
	   1.3.3.1. **Number of students undertaking project work/field work / internships**
	    Answer before DVV Verification : 368
	    Answer after DVV Verification: 368

2.6.3	**Average pass percentage of Students during last five years**
	
	   2.6.3.1. **Number of final year students who passed the university examination year-wise during the last five years**
	    Answer before DVV Verification:
	
	<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>318</td><td>260</td><td>233</td><td>309</td><td>375</td></tr></table>
	    Answer After DVV Verification :
	
	<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>317</td><td>260</td><td>233</td><td>309</td><td>375</td></tr></table>
	   2.6.3.2. **Number of final year students who appeared for the university examination year-wise during the last five years**
	    Answer before DVV Verification:
	
	<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>320</td><td>288</td><td>370</td><td>407</td><td>462</td></tr></table>
	    Answer After DVV Verification :
	
	<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>319</td><td>288</td><td>370</td><td>407</td><td>462</td></tr></table>

3.2.2	**Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years**
	
	   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**
	    Answer before DVV Verification:
	
	<table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>39</td><td>24</td><td>26</td><td>21</td><td>26</td></tr></table>

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	1	3

Remark : Edited as per clarification

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**

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**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
7	12	7	8	3

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
6	12	7	4	1

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

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.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	3	3	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	3	2	1	1

Remark : Observation noted and edited accordingly

3.5.2 | **Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**

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**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	2	3	3

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	3	2	3

Remark : Edited as per data provided considerering year ending on 31st march evey year

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** Answer before DVV Verification : A. Any 4 or more of the above Answer After DVV Verification: B. Any 3 of the above Remark : Observation noted and edited accordingly
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)** 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)** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2.023	6.91	6.27	6.41	20.33

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1.91	6.61	6.27	6.195	20.33

Remark : Observation accepted and edited accordingly

4.2.4	**Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year** 4.2.4.1. Number of teachers and students using library per day over last one year Answer before DVV Verification : 931

	Answer after DVV Verification: 97
	Remark : Observation, not accepted value calculated is 484 for 5 days
5.1.1	**Average percentage of students benefited by scholarships and freeships provided by the Government during last five years**
	5.1.1.1. **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**
	Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
580	561	715	797	872

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
580	551	733	795	872

Remark : 1.Edited as per clarification 2.Year-wise list of students benefitted in each scheme not provided

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**
	Answer before DVV Verification : A. All of the above
	Answer After DVV Verification: B. 3 of the above
	Remark : Observation noted and edited accordingly
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)**
	5.3.3.1. **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**
	Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
42	70	67	76	72

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	2	2	2

Remark : Observation accepted and edited accordingly

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).** 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** Answer before DVV Verification: {{TABLE1}} Answer After DVV Verification : {{TABLE2}} Remark : Observation accepted and edited accordingly

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
82	68	77	63	59

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
74	64	71	58	56

Remark : Observation accepted and edited accordingly

7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Divyangjan friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for 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** Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: B. 3 of the above Remark : Edited as per data provided

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of full time teachers year-wise during the last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17

| 106 | 101 | 110 | 147 | 160 |

Answer After DVV Verification:

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
| 106 | 101 | 111 | 147 | 160 |