



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

COLLEGE ROAD, AVADI, CHENNAI

600054

www.spcet.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

St. Peter's College of Engineering and Technology (SPCET), an Anna University affiliated Institution located in Avadi, Chennai, Tamil Nadu is run by the Lakshmi Saraswathi Educational Trust in the year 2008. The Institution aims to impart training to students to develop their Intellectual powers, identify and cultivate interest and talents, and train them to become responsible and eminent citizens of India. This institute provides various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics. Student life includes participation in sports, recreational, co-curricular and cultural activities. The institution is spread over a sprawling campus with its calm surrounding, creating a study atmosphere. The invigorative and serene milieu of the institution is conducive for higher education.

St. Peter's College of Engineering and Technology was established in the year 2008 with 4 UG programs, the college stands tall today by offering 9 UG and 3 PG programs. The College had implemented Choice Based Credit System (CBCS) with effect from the Academic year 2017-18. The SPCET is perched amidst a sprawling 10.29 acres green campus and is completely encompassed by a compound wall. SPCET is run by a team of eminent educationists whose dedication, commitment and expertise impart quality education, blended with a contemporary, yet pragmatic touch.

The Institution has been accredited by NAAC with A grade in 2016. Anna University, Chennai has granted "Permanent Affiliation" status to the department of Computer Science & Engineering (CSE), Information Technology (IT) and Master Business Administration (MBA). The Institution also has 12(B) and 2(f) status.

Vision

To emerge as a center of excellence by providing high quality education in Engineering, Technology and Management to contribute for the economic as well as societal growth of our nation

Mission

To impart strong fundamental and value-based academic knowledge in various Engineering, Technology and Management disciplines to nurture creativity.

To promote innovative Research and Development activities collaborating with industries, R & D organization and other statutory bodies.

To provide a conducive learning environment and training so as to empower the students with dynamic skill development for employability.

To foster entrepreneurial spirit amongst the students for making a positive impact on remarkable community development.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- ISO 9001:2015 Certified
- NAAC Accredited with 'A' Grade
- UGC recognition under sections 12(B) and 2(f)
- Permanent Affiliation (CSE, IT & MBA) by Anna University
- 41 University Ranks
- Visionary and proactive management
- Eco-friendly and conducive working environment
- State-of-the-art laboratory facilities
- Research ambiance to pursue funded research and Ph.D
- Career counseling and Campus placements
- Facility for sports and games
- Scholarships for Meritorious and Economically weak students
- Round the clock medical facilities
- Indoor Auditorium with a **1200** seating capacity
- Collaboration with ICT Academy for state-of-the-art technical skill upgradation to faculty members
- Outreach activities for societal needs
- Conduct of SlipTest at the end of lecture periods

Institutional Weakness

- Since the college is affiliated to Anna University, Chennai, the flexibility in the curriculum changes is limited.
- Student exchange program
- Departments are yet to get the research center status from the Anna University
- Collaborative research with Foreign University Professors
- Being a self-financing Institution, no funds from the Government
- Paid Internship for students need to be improved

Institutional Opportunity

- Collaboration with R&D institute/ industry
- Empowering the faculty members to undertake consultancy
- Improve the quality of placement through alumni linkage
- Converting the research outcomes towards societal needs
- Encouraging students to pursue higher studies through GATE
- Make-in India, Digital India, Startup India initiatives

Institutional Challenge

- Declined interest of students towards Engineering streams
- Quality of students in certain departments due to market demand and change in their preference

- Getting admission for the PG programme
- Declining charm of Engineering education
- Fluctuating market conditions for employment

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

SPCET provides the right learning opportunity for the students to make them industry ready engineers. The SPCET follows the curriculum prescribed by the Anna University, Chennai.

- Choice Based Credit System (CBCS) introduced in 9 UG programs and 3 PG programs
- The Institution abreast the faculty members through refreshers' courses, FDP, Seminars, Guest Lectures and Workshops
- The Institution has provided 54 Value Added Course (VAC) to students for developing skills to bridge the gaps in the syllabus
- About 57% of students participated in Certificate and VAC
- Institution is sensitive to gender, environmental issues, human values and professional ethics and Anna University has courses on the same.
- Departments organize Industrial visit, Implant Training, Guest lectures, Symposium, Seminars, Conferences, Workshops, Placement, Training etc.
- About 60.5% of students have undertaken the field projects and internship every year
- The IQAC academic coordinator monitors and assists the faculty members for effective curriculum delivery
- Department invites suggestion and feedback from students, teachers, employers, Alumni and parents regarding the curriculum and institution ensure its availability in the website

Teaching-learning and Evaluation

- Average 47.34% of seats are filled as per the applicable reservation policy
- More than 0.71 % of students are from other states and countries
- Institution conducts bridge programs for the students after admission. Based on the marks obtained in the previous exams and participation in the learning process, the students are categorized into advanced and slow learners
- The advanced learners are encouraged to participate in Hackathons/ Design/ Coding contests etc.
- As on date, no students from differently abled category registered in the Institution
- At the beginning of each semester, the college level academic calendar will be developed with all essential details viz., reopening and closing dates, internal examinations dates, holidays, college level activities
- The department prepares the academic calendar in alignment with the college calendar by including department specific activities and events. Each department distributes the calendar to all students and faculty members to plan their activities. The time table and the course plan are prepared well in advance
- The faculty members are assigned courses based on their competency, subject expertise and experience. Each faculty member prepares the structured lesson plan, detailed course materials, question bank for theory subjects and lab manual for practical subjects as per guidelines given by IQAC
- Faculty members incorporate the teaching pedagogy considering experiential learning, participative

learning and problem solving methods in content delivery during their preparation

- All the faculty members use ICT for an effective teaching-learning process. Each faculty member is assigned with 15-20 students for mentoring
- Institution has 19 faculty members with Ph.D degree
- Class Committee meetings are conducted thrice during the semester. The chairperson of the committee communicates the rules and regulations of the department, examination procedure, discusses the syllabus completion and collects feedback on academic and administrative difficulties faced by the students.
- Based on the feedback, appropriate remedial measures are put into practice to improve the performance of the students. The major decisions/ improvements done based on the feedback received are communicated to the students

Research, Innovations and Extension

Institution has a dedicated team of researchers headed by a Professor (R&D). A senior faculty member in each department has been nominated as research coordinator.

Faculty members and UG/ PG students are provided with adequate resources to pursue research in their respective field of interest. Students are encouraged to take up research projects under the supervision of the faculty members.

- Institution has received Rs. 16.035 lakhs rupees as a research grant fund from various government and non government agencies
- 57 workshops/ seminars are conducted on IPR & Industrial linkages
- The Institution has 19 Ph.D holders, 18 pursuing Ph.D. and remaining faculty members are working collaboratively
- The faculty members pursuing research are encouraged by providing them the required equipments, books, leave for research work, financial assistance for conferences / journals, e-resources, computer facilities, Wi-Fi etc
- The college provides incentives to the faculty for their research contribution. Research meeting is conveyed to discuss proposals to funding agencies
- 6 faculty members are recognized supervisors of Anna University and other Ph.D holders are motivated to obtain supervisor recognition.
- The faculty members who do not possess Ph.D degree are advised to register for research work
- The institution has a well-defined code of ethics to check malpractices and plagiarism in research. Institution honors the teachers who receive recognition and awards
- 107 research papers have been published in the UGC recognized journals. 23 papers have been presented in national/international conferences
- 3 books have been published by faculty members
- SPCET has an Industry Institute Partnership Cell (IIPC) which has signed 21 MoUs with Industries to carry out collaborative work in project development and consultancy
- 296 industrial linkage program such as internship, industrial projects, field trip, on-job training and research have been organized
- Faculty members and students are actively involved in 60 Institutional Social Responsibility activities through structured forums like NSS, YRC and Societies
- Many recognition and awards are received for various extension activities from University, State level agencies and NGOs

Infrastructure and Learning Resources

- Institution has 37 classrooms, 1 smart class, 2 seminar halls with ICT facilities
- The college has provided more than 294 computers with LAN and UPS facilities and 3 air- conditioned laboratories.
- The computer centers are equipped with high-end computers, accessories such as Laser, Inkjet and Dot matrix printers, scanners, LCD and OHP projectors
- The college has an in-house Computer Maintenance Cell. Adequate financial allocations are made for internal maintenance work of all infrastructures
- The campus is fully enabled with Wi-Fi at the speed of 150 Mbps. The college has licensed and open source software in various departments
- As per AICTE norms, 331 system and 15 printers are needed but college is equipped with 350 systems and 30 printers
- Computer and student ratio 1:4 in every department, ICT enabled classrooms are available with internet connectivity for supporting the teaching-learning process
- The college has 16 LCD Projectors to enhance the teaching and learning.
- CCTV cameras are installed in the college premises to monitor the campus activity and maintain security
- 1 smart classrooms with interactive boards are available interactive teaching-learning process
- The central library is automated with DelNet (a ILMS). The library is enriched with rare books, project reports, reference/ text books, e-resources, e-journal, Wi-Fi and CCTV for security
- Library could accommodate 100 students. 25% of teachers and students are using library on daily basis
- The library has 17 computers with internet facilities and 2 printers. The college main library has 24186 books and 197 journals.
- Separate gyms for boys and girls are provided in the hostels.
- Institution has Handball court, Basketball court, Kho-Kho, shuttle court, Cricket pitch, Kabaddi court etc
- Institution has in-house sport facilities like Carrom, Chess, Table-Tennis etc.
- The Institution has power house installed with Diesel Generators (125 KVA)
- 10 KVA solar panel is installed.
- 1000 lit/hr capacity centralized RO plant is installed

Student Support and Progression

Institution has 05 students from diverse backgrounds.

To meet the needs of the students, student support service of our college is administered through a faculty advisory system.

- The Department has a faculty advisor system where 15-20 students are allocated to each faculty member for counseling and to improve the academic performance of the students.
- The Institution offers scholarship and financial assistance to academically strong and economically weak Students.
- On an average of 61 % of students are benefited by scholarships provided by the government.
- 5% of students are benefited by the scholarship/ concession provided by the institution besides government schemes during 5 years.

- The Training and Placement Cell of the college extends its service in the form of career guidance, resume building, soft skill training, technical training etc. It also supports campus recruitment in the form of pre-placement talk.
- 4345 students benefited from the training.
- 76.47% of students benefited from the training over 5 years.
- 76.47% of students are benefited by vocational and training over the 5 years.
- Competitive exams are encouraged on campus. Library has materials for students who prepare for the competitive exams.
- Departments encourage students to participate in State, National and International level of curricular and co-curricular events.
- The NSS and YRC club of our institution motivate the students and staff to participate in the extension activities such as awareness rallies for Blood donation, Health camp and orphanage visits.
- 128 cultural activities and sports competitions organized in the campus during the last 5 years.
- Entrepreneurship Development Cell has been established through AICTE funding of Rs. 8 lakhs to bring out the entrepreneurship spirit among the students.
- Institution has a well-defined Redressal cell for addressing anti-ragging and sexual harassment. Anti-ragging and sexual harassment committees are established in the campus.
- Institution has an exclusive placement division under the headship of the Director.
- Institution has an alumni association which meets every year.
- All the passed-out students are members of the alumni association

Governance, Leadership and Management

- The Management has constant touch with the Principal to maintain cordial rapport to discuss the infrastructural needs, development, administration and appointments.
- Management participates in the college functions viz., Graduation Day, College Day, Sports Day, Conferences etc.
- The Principal is the Academic and Administrative head of the college and responsible for the implementation of the Vision and Mission of the college.
- Institutions/ Departments have a clear perspective/ strategic plan and it is deployed effectively. Each functional body is clearly defined with service rules and procedures.
- Institution has well defined procedures for recruitment and promotion. Institution has implemented e-governance in all the areas of administration.
- Various bodies/ cells/ committees are working effectively and regular meetings are called for the discussion and recorded.
- HODs organize Career Guidance Programmes, Workshops, Value Added Course, Symposium, Social Relevance Activities, Seminars and Conferences to enrich the knowledge and showcase the talents of students.
- 52.57% of teachers benefited with financial support for attending conferences/ workshops and towards membership fees of professional bodies during the last 5 years.
- 10 professional development/ administrative training programs organized in the campus for the benefit of teaching and non-teaching staff during the last 5 years.
- 82.09% of teachers benefited from attending professional development programs. Institution has implemented various welfare measures for teaching and non-teaching staff to keep them comfortable. The Institution follows rigorous Quality Assurance processes that pave the way for ensuring academic excellence.
- The IQAC is responsible for the effective implementation of the Quality processes. IQAC is conducting

quarterly meeting

- IQAC has submitted the AQAR to the NAAC.
- IQAC conducts the Academic and Administrative Audit and based on the observation of the report, quality recommendation is given.

Institutional Values and Best Practices

- To create awareness of gender equality, 04 gender sensitization and awareness programmes have been conducted for the last 5 years.
- The institution has undertaken numerous safety and security measures in the campus. The Institution is under CCTV surveillance to ensure safety and security of the students.
- The Department has a faculty advisor system where 15-20 students are allocated to each faculty member for counseling and to improve the academic performance of the students.
- 5% of annual power requirement of the institution is met by renewable energy sources like solar panels, LED lamps etc.
- 1% of annual lighting power requirement is met through LED bulbs.
- Institution has facilitated a solid, Liquid and e-waste management system to keep the campus green and hygienic.
- Rainwater harvesting systems prevail in the campus. The institution is landscaped with trees and plants. For carbon neutrality, vehicle pooling is practiced. 90% of day-scholars are traveling by college buses. Paperless office and Plastic free campus is in practice.
- Institution has facilitated the differently abled students with ramps, rest-rooms, scribes for examination etc.
- Institution is located in the industrial corridor. Institution has taken up 7 initiatives to the local community.
- Institution has a handbook which contains the code of conduct for students, staff, teachers, Principal, governing body etc. These details are displayed on the website.
- Institution celebrates the national and religious festivals encouraging national integration and communal harmony respectively.
- Birth anniversaries of great Indian personalities are being celebrated on campus.
- Remembering the great Indian personalities on their death anniversary is practiced. Every year, 3 programs have been celebrated on campus.
- Programs have been conducted to give awareness on fundamental duties and rights of Indian citizens. Human values and professional ethics are being taught to students as a course as per Anna University curriculum.
- Slip Test in Teaching-Learning Process and Industry-Institute Interaction are the two best practices practiced in the campus.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	College Road, Avadi, Chennai
City	CHENNAI
State	Tamil Nadu
Pin	600054
Website	www.spcet.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M. Chinnapandian	044-26558091	9444544290	044-26558091	principal@spcet.ac.in
IQAC / CIQA coordinator	R. Murugan	044-26558092	9444238907	044-26558091	drmurugan@spcet.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	18-03-2020	View Document
12B of UGC	03-02-2021	View Document

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	02-06-2022	12	

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	College Road, Avadi, Chennai	Rural	10.29	42090

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,Aeronautical Engineering	48	HSC	English	30	3
UG	BTech,Biotechnology	48	HSC	English	60	20
UG	BE,Civil Engineering	48	HSC	English	30	0
UG	BE,Electrical And Electronics Engineering	48	HSC	English	30	3
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	37
UG	BE,Mechanical Engineering	48	HSC	English	60	2
UG	BTech,Chemical Engineering	48	HSC	English	60	5
UG	BE,Computer Science And Engineering	48	HSC	English	60	51
UG	BTech,Information Technology	48	HSC	English	30	20
PG	ME,Computer Science And Engineering	24	UG	English	18	3
PG	MBA,Master Of Business Administration	24	UG	English	90	90
PG	ME,Structural Engineering	24	UG	English	24	5

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	12				17				111			
Recruited	10	2	0	12	9	8	0	17	55	56	0	111
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				25
Recruited	9	16	0	25
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				19
Recruited	14	5	0	19
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	2	0	2	3	0	2	0	0	19
M.Phil.	0	0	0	1	1	0	7	10	0	19
PG	0	0	0	0	0	0	58	44	0	102
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

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	364	6	0	0	370
	Female	202	0	0	0	202
	Others	0	0	0	0	0
PG	Male	88	1	0	0	89
	Female	84	0	0	0	84
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	23	15	25	10
	Female	15	9	23	14
	Others	0	0	0	0
ST	Male	1	0	1	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	96	73	115	117
	Female	62	37	67	48
	Others	0	0	0	0
General	Male	9	11	20	10
	Female	6	2	6	6
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		212	147	257	205

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>SPCET is affiliated to Anna University and it offers various Engineering and Management programs. Anna University recommended Choice Based Credit System (CBCS). Each course in a program has credits, which are classified as; Mathematics, Basic Science, English Communication, Core, Professional Electives, Open Electives, Ethics, Environment, Management and Employment Enhancement Courses. A course on Environmental Studies is included in the curriculum to imbibe the eco-conscious and environmental issues. The institution is anxious in promoting multidisciplinary approach among the student community thereby facilitating the young minds to fathom circadian societal problems. Teaching-learning process diversity includes experiential learning, differentiation learning, blended learning, game-based learning, student-centered learning, online learning. Experiential learning is incorporated through projects, industrial visit, internships and field trip. Teaching pedagogies are practiced in the Institution for better understanding. In open electives, students are permitted to register for a course in another branch of Engineering based on their interest. The converging technology plays a vital role in multidisciplinary/ Interdisciplinary work. Converging technologies are offered through special electives to the students. Inter-departmental, interdisciplinary projects are encouraged in the Institution. Students are encouraged to join the inter-disciplinary research work.</p>
2. Academic bank of credits (ABC):	<p>According to ABC, the credits awarded to students for one program from an Institution may be transferred/ redeemed by another Institution upon students consent. Credit transfer is the key to successful study mobility. Being an affiliated college to Anna University, SPCET has a limited option for the ABC system. However, students can transfer to other Institutions within the affiliated colleges by transferring their credits. Students are permitted to gain credits from a variety of Higher Educational Institutions (HEIs), registered online courses like SWAYAM and NPTEL and blended courses. Even faculty members are encouraged to do NPTEL and SWAYAM courses the completion of which is considered on par with FDPs. Besides the reference and text books recommended by the University,</p>

	<p>teachers and students have the liberty to use the online materials for their syllabus.</p>
<p>3. Skill development:</p>	<p>The Institution takes all the efforts for skill development of faculty members and students. To enhance the skills, the Institution conducts specialized skill development programs such as aptitude training, communication training, programming training etc. Life skill programs are also organized in the Institution. Capacity building and soft skills oriented training are offered to the students. Moral skill is instilled among the students by celebrating Republic Day, Independence day, Environmental day, Voter's day, National Integration day etc., along with competition on the respective theme. To encourage students' talents, the institution has NSS, YRC, Fine Arts Club (FAC) and Yoga. Anti-sexual Harassment Cell (POSH) committee organizes "Women's Safety and Hygiene" for girl students and lady faculty members. A tie-up with Infosys through NAAN Mudhavan Scheme (Springboard platform) could expose the students in the broader areas of machine learning, cyber security and full stack. Our institution imparts training to the students on Full stack development and Google cloud, with the support of Virtusa, AI and BI Data Analytics that facilitate them to become industry ready at the time of their graduation. The upskill of the students is enhanced from the current year of first semester through Cambridge English Course, an initiative of Tamil Nadu Government.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>India is land of cultural diversity. According to the Sapir-Whorf hypothesis in the subject area of linguistics, a person's language has an immense impact on his or her cognitive abilities. Studying in the native language results in higher participation in learning, self-motivation and increased confidence. Learning in a known language improves the quality of education for all learners across all age groups. Furthermore, it is believed that educating in one's own language can develop the foundation skills of a society like literacy and critical thinking. The institution conducts number of awareness programmes to the students on environment, sustainability, energy conservation, arts, culture and tradition of our country through the clubs such as Tamil Mandram and Fine Arts Club.</p>

<p>5. Focus on Outcome based education (OBE):</p>	<p>Outcome Based Education is followed in our institution. It emphasizes a clearly articulated idea of what students are expected to know and be able to do, that is, what skills and knowledge they need to have, when they complete the program. It creates transparency for both sides; the students know what to expect from a course, and the teachers know what to deliver or demonstrate through the course structure. OBE does not specify a specific method of instruction, leaving teachers free to teach their students using any method. Teachers will also be able to recognize diversity among students by using various teaching and assessment techniques during their class. Increased student involvement allows students to feel responsible for their own learning, and they should learn more through this individual learning. This helps students to accomplish the set goals. A potential employer can look at student records to determine what outcomes they have achieved to determine if the potential employee has the necessary skills for the job. The students can also analyze themselves against the job requirement and work on enhancing their skills.</p>
<p>6. Distance education/online education:</p>	<p>SPCET is an affiliated institution that offers only regular programs. It doesn't have the permission to offer distance education/ online education. However, during Covid pandemic, online teaching-learning and evaluation processes have been successfully accomplished through Google Classroom and Zoom platform.</p>

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Yes. We have an Electoral Literacy Club (ELC) in our Institution annexure with YRC</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes. We have students' coordinators along with faculty mentors to carry out the various awareness campaigns.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of</p>	<p>Electoral Literacy Club is a platform to engage students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the electoral process of</p>

<p>students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>registration and voting. To enable critical thinking on issues related to election rights, democracies and its processes. It develops a culture of electoral participation and maximizes ethical voting. It educates the future voters about enrolment, and other electoral processes like EVM/ VVPAT. The various ELC competitions were organized in our campus with the support of Tahsildar / officials from the Collectorate. Our students actively participated and received cash rewards, certificates and medals. Mrs.M.Mohanapriya, faculty coordinator actively involved with all the EL Club students and made them vibrant to spread the importance of voting among the rural people by conducting suitable outreach rally activities.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Students are encouraged to make the necessary awareness among the rural areas in the form of rally conduction with suitable pictorial sign boards. The Prototype Electronic Voting Machine (EVM) was developed by our students and demonstrated effectively among the public. As instructed by the District Collector Officer, every year our students actively participated in the awareness exhibition program.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The club collaborates with the District Collector office who is also the District Election Officer (DEO) periodically to participate and assign events to the club to create awareness on the importance of voting through various programs like rallies, surveys and conducting competitions. With the support of ELC, our first year eligible students are motivated to enroll their names in the electoral roll.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
703	867	1025	1289	1708

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 350

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
162	173	159	233	225

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
164.85	190.54	402.10	468.25	423.86

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Academic Calendar is prepared in each semester as per the Anna University guidelines which provides details of commencement of classes, assessment test dates, attendance and mark entry dates, commencement of end semester examination, date for theory and practical exams.

For each subject faculty prepares a lesson plan giving the content of the syllabus, delivery plan, pedagogy used, proposed dates of completion. Faculty maintain a log book where the topics discussed in the class each day is recorded. If there is any deviation, the reason for the same and the remedial measures are recorded.

Quality of teaching-learning process: content delivery, interaction, discussion, examples, applications and usage of modern ICT tools. The role of the faculty member is significant not only with knowledge sharing but also with inspirational engagement of the students through various instructional methods and pedagogical initiatives.

Innovative Teaching & Learning methodologies are adopted by the faculty members to create the best learning environment for students. Teaching and Learning methodologies include traditional (Chalk and talk) and technology enabled methods.

Video lecturing is provided by faculty members to explain the real world problem with industrial illustrations, design issues etc.

Invited expert lectures are arranged to deliver the content beyond syllabus for knowledge enhancement and value added courses have been organized for bridging the gap between Industry and Academia.

Tutorials/ E-learning classes are practiced for participative learning with peer group concepts.

Assignments are given to improve the knowledge beyond the syllabus.

Group Discussions and brainstorming are encouraged for participative learning .ICTACT collaborative learning methods are encouraged to both students and faculty members to enrich knowledge and certification.

Laboratory practices are mandatory to have hands-on experience.

Motivating students to do research work and present papers in seminars/conferences/journals.

Well stocked library with reference books and magazine.



The Unit Test cell (UTC) consists of Dean (Academics) as coordinator and senior faculty members. Based on the Anna University Semester plan, this UTC prepares a schedule for conducting Unit tests, Model Exam and this is circulated to all the departments. The responsibility of the UTC is to make hall arrangements, prepare the list of invigilators, conduct the Unit & model exams.

Monitoring system for curricular delivery

HODs and Dean Academic regularly monitor the delivery of curriculum. Formal and informal feedback have been taken from the students in a regular interval.

Entrusting the teaching faculty with the task of mentoring 15-20 students on academic and personal issues.

Class committee meetings are arranged where students' representatives can express their difficulties in the academics, administrative and facility issues.

Bloom's Taxonomy and OBE are adopted for the effective delivery of the curriculum, Question papers are designed to assess the attainments of the COs.

The performance of each faculty is reviewed by the feedback collection from the students and the teacher is asked to improve in the specified weak areas for the betterment of the student community.

Department identifies the slow learners and Advanced learners based on their performance in exams, classes and laboratories and different strategies are incorporated for the improvement.

Slow Learners	Advanced Learner	Economically Poor
Question Bank	Peer Leaders	Scholarship
Coaching Class	Mini Project	Fees Concession
Peer Group	Seminar/ Case Study	
Home Assignments	Conferences/ Journals	
Language Training	Internship	
Seminar		

File Description	Document
Upload Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years	
Response: 49	
File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years	
Response: 57.49	
1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years	

2021-22	2020-21	2019-20	2018-19	2017-18
402	518	504	793	998

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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:

The institution follows the syllabus specified by the Anna University, Chennai. The courses which deal with the issues related to Professional Ethics, Gender, Human Values, Environment and Sustainability are integrated into the curriculum.

Gender Equality: The institution has formed a “Women Grievance Redressal Committee” with one of the senior woman faculty members as convener and others women as members. This committee provides an exclusive platform for women employees and girl students to discuss their grievances in a common forum. It develops welfare schemes for them and establishes self-esteem and respect for women without any gender bias. It organizes special programs to empower them with their basic rights.

Environment & Sustainability: The institution being a green campus, is improving energy efficiency by conserving the natural resources for creating a healthy living and learning environment. The institution has been constructed amidst the lush green trees. The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by NSS. The Institution has implemented a rain water harvesting system to recharge ground water by collecting the rainwater from the catchment areas from the rooftop of buildings through organized trench . Sewage water has been treated and reused for landscaping. All the branches of engineering have subjects focussing on Environmental issues and sustainability in their curriculum.

Human Rights: The College has formed an Anti-Ragging committee with the Principal as the Chairman. This committee effectively controls ragging, which is a violation of fundamental human values and rights. At the beginning of every year, this committee forms an Anti-Ragging Squad for the control of ragging. The squad members are posted at the key places of the college campus to prevent the fresher from being ragged. The hostel committees (Boys and Girls) are formed to educate the students by peer group and avoid ragging menace. These activities control the unpleasant incidents caused by ragging and thus the college campus is declared “Ragging-Free Campus”.

Professional Ethics: Professional ethics encompass the personal and corporate standards of behavior expected by professionals. Anna University curriculum has “Professional Ethics” as subject to all the

branches of Engineering. The students are trained to use their professional knowledge to face the public. Students are capable of making judgments, applying their skills, and reaching informed decisions in situations that the general public cannot do because they have not attained the necessary knowledge and skills.

File Description	Document
Upload Additional information	View Document

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

Response: 60.74

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

Response: 427

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 34.58

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
212	147	257	205	455

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
552	612	672	798	1056

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 45.22

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

2021-22	2020-21	2019-20	2018-19	2017-18
193	132	223	181	411

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

2021-22	2020-21	2019-20	2018-19	2017-18
375	417	459	546	724

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

Response: 4.34

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 using ICT tools

Response:

St. Peter's College of Engineering and Technology (SPCET) is following student centric methods in the teaching learning process.

Experiential learning

Reinforcement learning among the students is achieved through model based/ practical oriented teaching.

Apart from the regular laboratory sessions, mini projects in theory courses enable the students to develop working models demonstrating the skills of learning.

Open House Exhibitions and Idea Presentation events conducted in the institution explore the practical potential among the students

Industrial visits are regularly arranged to enhance the practical knowledge of the students where they get an exposure to the industrial environment and relate the theory with the processes adapted in the industry.

Industry Institute Partnership Cell (IIPC) arrange the In-plant training and internships to the students during semester holidays to enrich their practical knowledge and industrial environment.

Field visits as part theory course are introduced to appreciate the real time learning among the students

SPCET is also an Institutional member of ICT Academy of Tamil Nadu. ICTACT provides training to

faculty members and students in information and communication Technologies. The core objective of ICTACT is to produce industry ready and immediately employable technocrats. ICTACT and SPCET jointly achieve this by collaborating in various faculty development programs, skill development courses, workshops, certificate courses, Entrepreneurship development and research publications.

Participative Learning

Students are encouraged to self-learn capability by offering one credit courses, value added courses, Swayam/ NPTEL courses, Massive Open Online Courses (MOOC) online courses and competitive examinations.

Departments gives group assignments, team work in laboratory sessions, mini-projects and major projects to practice teamwork

Promotion of creativity and critical thinking among the students is accomplished through Professional Societies

Students are actively participating competitions like HACKTHON, IDEATHON, Design Contest, Start Up Mania and have an opportunity to interact with peer members and industrial persons

SPECT has collaboration with industries for internship and equip the students for global competitions

Innovative and Activity based teaching–learning methods followed at SPCET: Model-based, Interactive Session, Jig Saw, Role Play, Video based, StoryBoard, Demonstration and Think Pair Share enable the students to shift from competitive to competent environment

To enrich participative learning among the students, various events like organizing symposium in the college and participation in intra-college events

Students participate in the Seminar, workshops, conference, symposium and guest lectures are encouraged.

The classroom lectures are interactive in nature. The students are encouraged to ask questions, clarify their doubts by participating in discussions and contribute in the classroom deliberations etc.

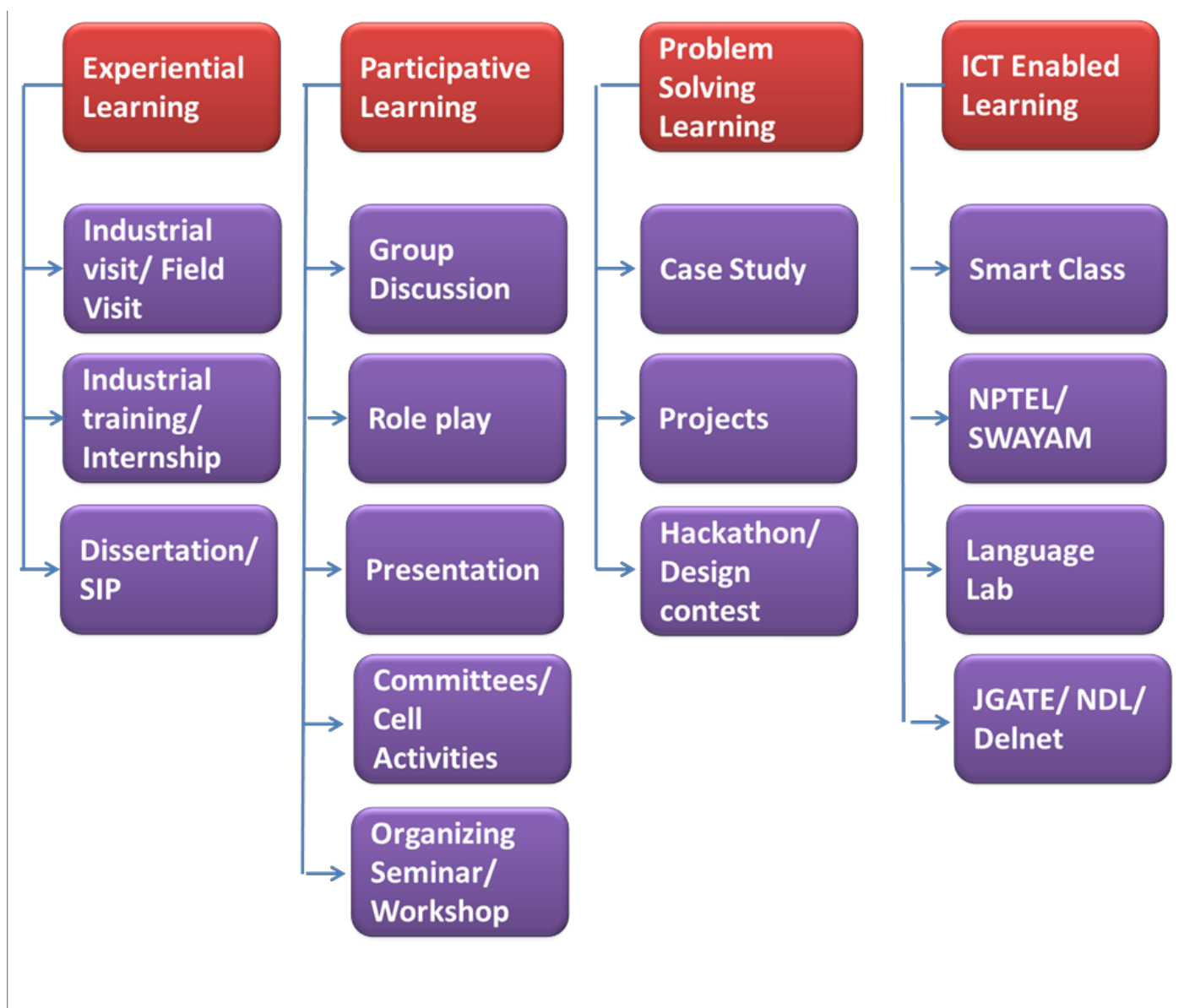
The lectures include the use of multimedia presentation, demonstration, group discussions etc.

Problem Solving Methodologies

Critical thinking is nurtured through objective type/ MCQ, Quizzes are given as tutorial/ other assessment

Assignments on content beyond the syllabus and case studies are encourage the students to find the solutions for real world problems

Simulation tools and Virtual labs are effectively used to provide hands on experience to students in analytical/ Problem Solving approaches



File Description	Document
Upload Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 92.34

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
164	186	180	246	255

File Description	Document
Upload supporting document	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ 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: 11.24

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

2021-22	2020-21	2019-20	2018-19	2017-18
19	22	24	20	22

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

SPECT has stringent quality control systems, which takes care of all the planned activities for enhancing the quality in evaluation process and reforms. Academic calendar is prepared before the commencement of the academic Year. The calendar provides the details of working days, holidays schedule for internal assessment tests and schedule for the class committee meetings. The calendar is distributed to the students. The semester plan for every semester is prepared by the Head of the department at the beginning of each semester. The faculty member of each subject prepares a detailed course plan giving the units of the syllabus and proposed period of completion of the unit. It also provides the information about the pedagogy to be followed, the text books and the books for reference. A course file is also maintained by faculty members for each subject. The course file consists of syllabus, lesson plan, time table lectures notes, OHP slides, softcopy of Multimedia presentations in CDs, assignments/tutorial question, question bank, University questions papers with keys and record of assessments.

- The evaluation pattern consists of continuous internal assessment and end semester examination with 20% and 80% weightage respectively.
- The internal assessment comprises 20 marks.
- Three internal assessment tests and one model examination are conducted.
- Retests are conducted for absentees and poor performers.

- The external end semester examinations are conducted by Anna University through its zonal office, with joint supervision of the faculty members of SPCET and from other affiliated colleges.
- The evaluation of the answer scripts and publication of the results are taken care of by the controller of Examinations of Anna University.
- The Internal tests are conducted by the Unit Test cell in coordination with the departments concerned.
- The question papers are set well in advance; the tests are conducted by the faculty members of various departments.
- The answer scripts are valued within five working days after the completion of the tests and the valued scripts are given to the students for verification. Discrepancies are corrected immediately by the concerned faculty member.
- The marks are then submitted to the university through its web portal. Anna University shares the marks awarded to the students through its student login id and thus ensures transparency in the process of continuous assessment. Students also can verify their marks periodically from the concerned class advisors.
- The continuous assessment aids in identification of the slow learners. Further counseling and special training are imparted to the slow learners to enable them to perform better in the Anna University Examinations.
- Students can express their grievances and feedback on the internal assessment in the class committee meeting.

File Description	Document
Upload Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

St. Peter's College of Engineering and Technology (SPCET), being an affiliated institution, the programmes and courses offered by us are designed and prescribed by Anna University. The college has clearly framed the learning outcomes for each programme. Anna University prescribes objectives and outcomes for each course in all the programmes. These are considered as learning outcomes for each course of every programme by the college.

Learning outcomes are monitored through the Anna University Exam Results, Internal Assessment Test, Assignments, Seminars, Case Study, mini-project and through the course end survey and program exit survey.

Attainment of POs and COs

OBE is practiced in each department to understand the attainment of each course delivery from the following. PEOs describe the career and professional accomplishments of a graduate and realized through

surveys after 4-5 years of student employment. POs and PSOs are to be aligned with PEOs and graduate attributes. PSOs are specific to each program. Both are related to Knowledge, Skill and Attitude of graduates as they progress through their graduation. COs are more specific statements to a particular course in the program to be attained at the end of each course.

Direct Assessment method is a measurable student performance indicator based on internal/ external exams, tutorial, assignment, laboratory, seminar, case study, mini-project etc.

Indirect Assessment method is a measurable student performance indicator based on student exit survey , alumni survey, employer survey and Course End Survey.

Attainment Procedure

The each questions of question paper is mapped with the COs

The mark is mapped with respect to the question and COs

Rearrange the maximum marks and scored marks with respect to COs

Fix threshold value (minimum pass percentage) for each CO in a subject (Example: 50%)

Define the level

If less than 50 % of Students scored more than set target (50%), then assign Level1

If 50% - 55% of Students scored more than set target (50%), then assign Level2

If more than 55% of Students scored more than set target (50%), then assign Level3

Define the level of CO attainment based on the percentage of students qualified above the threshold percentage.

As per Anna University regulation, for both theory and practical assessment, Internal marks weightage is 20% and external marks weightage is 80%.

$CO\ (Direct) = 0.2 * Internal\ attainment + 0.8 * University\ exam\ attainment$

The overall CO attainment values are calculated by considering 80% weightage to direct assessment and 20% weightage to indirect assessment

$CO\ (final\ attainment) = 0.8 * CO\ (Direct) + 0.2 * CO\ (Indirect)$

To measure PO in a direct method a CO/PO matrix is used

The weightage scale uses the scale 1-3: 1 = Low; 2 = Medium; 3 = High

$PO\ attainment = (CO/3) * PO\ weightage\ for\ that\ CO$

File Description	Document
Upload Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response: 87.61

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

2021-22	2020-21	2019-20	2018-19	2017-18
175	412	290	365	483

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

2021-22	2020-21	2019-20	2018-19	2017-18
189	413	297	493	577

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.98

File Description	Document
Upload database of all students on roll	View Document

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 in the institution during the last five years (INR in Lakhs)

Response: 16.04

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)

2021-22	2020-21	2019-20	2018-19	2017-18
15.485	0	0.075	0.075	0.4

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

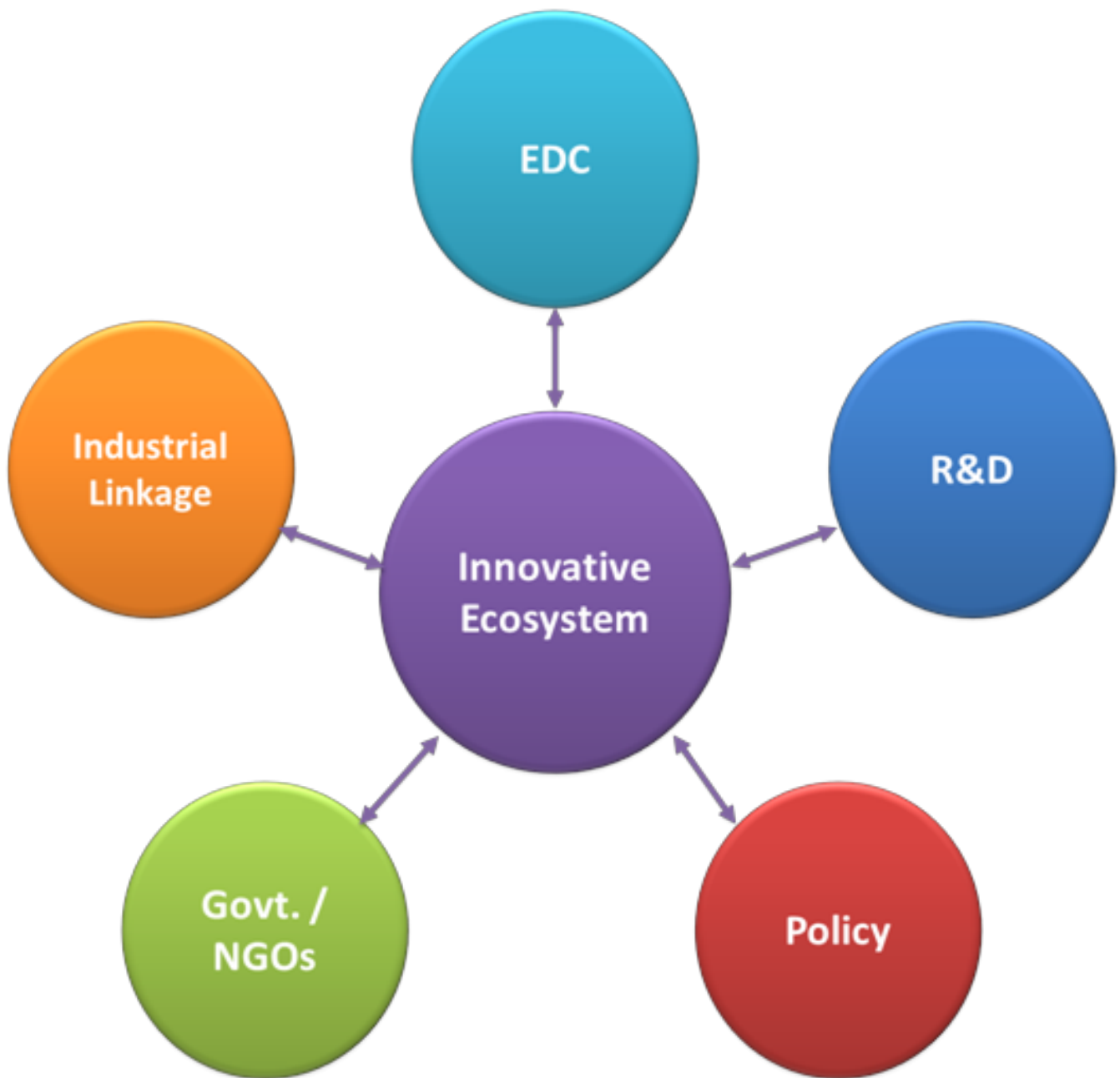
[View Document](#)

3.2 Innovation Ecosystem

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

Response:

St. Peter's College of Engineering and Technology has initiated various establishments to strengthen the ecosystem in the campus. The Institution promoted meaningful scientific industrial Research and Development (R&D) activities with a vision and mission to pursue and promote Research and Consultancy in Frontier Technologies with Institutions, Industries, Govt. and NGOs.



Research & Development Cell (R&D)

The R&D cell was established at SPCET to inculcate research and innovative skills among faculty and students. R&D Cell provides a platform for creativity and innovation to flourish young minds in the Institute. SPCET R&D cell has a nominated committee consisting of Professors from various programs of Engineering. This committee oversees the smooth and efficient coordination of R&D activities in the Institute, thus fostering overall growth. The R&D Cell will meet at least Two times per year.

Objectives R&D Cell

- To create an research ambience in the campus
- To create awareness on evolving technologies and industrial research.
- To create awareness about filing Patents & IPR
- To encourage, coordinate and implement R&D Programs (Workshops/ Seminar/ Trainings)

- To identify and inform researchers about the appropriate research opportunities announced by different academic, research, industry or government organizations.
- To encourage and facilitate the publication of the research work/projects in reputed academic journals and reputed conferences

Industrial Linkage

Industry-Institute partnership Cell (IIPC) has been functioning in the College from 2014. The function of the Cell is to promote closer interaction between the academic and Industrial fields. Industry Institute Interaction Cell is established to provide closer links with industries. The purpose of the cell is to find out the gap between the needs of the industry and the end product of the institute. The cell is the bridge between the industry, the real world and the institute. Industrial exposure of the Faculty is very much helpful to guide students about the latest industrial practices. Industries are able to know recent developments and inventions in their fields and implement projects for a technologically driven economy.

Entrepreneurship Development Cell (EDC)

Entrepreneurship Development Cell (EDC) was established in 2014 with a vision to bridge the gap between Industry and Academia. The cell undertakes several activities for student development wherein the student gets corporate exposure while studying and develops a spirit of entrepreneurship. This enables student capability enhancement as well as their alignment with Industry. Entrepreneurship development cell bridges the gap between ideas to the market product.

Objectives of EDC

- Generate the entrepreneurship skills among the students and to help them to channelize their goals to become a versatile entrepreneur.
- Gives exposure to the industrial sector to curious young minds to get a perfect idea of market needs and requirements.
- Supports businesses and innovators as they develop, launch, and commercialize their ideas and motivate the students to bring out their latent spirit of Entrepreneurship.
- Strives to narrow the gap between industry expectations and student capabilities.
- Organizing Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Organizing Guests Lecture, Seminars etc.

File Description	Document
Upload Additional information	View Document

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

Response: 57

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

2021-22	2020-21	2019-20	2018-19	2017-18
9	8	17	11	12

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.17

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
07	12	18	11	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2 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: 0.03

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

2021-22	2020-21	2019-20	2018-19	2017-18
6	2	2	0	2

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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:

Our Institution is an active participant in conducting various holistic extension activities to the students and to the nearby adopted villages. In this connection, NSS Unit - SPCET has conducted various health camps, awareness programs on usage of plastic waste, Sapling Plantation and Voting Awareness Rally at Annanur. The NSS Unit created awareness about the greenhouse effect and to safeguard our mother earth. With the intention to reduce the carbon footprint in nearby areas, sapling plantation camps were conducted in the adopted villages (Annanur, Konambedu, Avadi), through this event, the villagers were insisted on the importance of the afforestation. Villagers were very much keen and interested to listen to the set of awareness programs conducted by the institution. Besides, to imbibe the importance of physical and mental fitness in the modern techno-savvy world awareness program was organized on **Yoga - A Way of Life** on International Yoga Day by NSS to school students. NSS Unit also conducted various social wellness programs like Road Safety Rally, Sapling distribution to motivate the Annanur villagers.

Topics Addressed:

The NSS Programme Officer, along with staff members and volunteers actively participate in these programs. Our knowledgeable faculty members and resource persons gave thought-provoking awareness speeches on important issues in the current scenario. These include:

- Career Guidance
- Voting Awareness
- Sapling Plantation
- Swachh Bharath
- Yoga Awareness
- Dengue Awareness

Rally Programmes for Awareness:

To promote awareness on various issues and encourage community participation, a series of Rally Awareness Programmes were conducted in and around the following villages: Annanur, Konambedu, and Avadi

- Road Safety Awareness

- Health Awareness
- AIDS Awareness
- Dengue Awareness
- Environmental Awareness
- Voting Awareness

The institution has also been in the front line in times of natural disasters and crises. The college has sent various relief materials during the Gaja floods in southern Tamil Nadu (Trichy District, Virallimalai Village).

Impact & Sensitization:

The impact and sensitization resulting from the extension and outreach activities organized by the college are noteworthy. These activities play a vital role in sensitizing the students towards various social and legal issues with remedial actions on domestic violence, dowry, child abuse, beggars, female infanticide, victims of violence, old and infirm, refugees, and displaced persons, etc. Furthermore, these activities lead to imbibe social values like,

- To provide assistance and support to individuals in need and distress
- To meet the needs of underprivileged children and bring a difference in their life.
- To promote the importance of maintaining cleanliness in public spaces
- To develop an interest to acquire knowledge on environmental stewardship.

Learning Outcomes of the Activity:

- Acquisition of knowledge on societal issues and problems with the ability to find solutions
- Tie-ups with organizations/NGOs to carry forward humanitarian work in the future
- Develops brotherhood towards the community, affected people/animals, and destitute
- Enhances Problem-Solving Skills
- Develops interpersonal, managerial and leadership skills

File Description	Document
Upload Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

We at St. Peter’s College of Engineering and Technology (SPCET) have not only scored great accolades in academics but also in creating a holistic environment through extension activities. Our clubs are conducting various social awareness programs under extension activities. The college has actively engaged with NGOs, government schools and government affiliated bodies, for creating a more equitable society.

Awards from NGOs:

Janodayam Social Education Centre, a leading NGO promoting leadership and environmental awareness, has bestowed several awards and laurels upon St. Peter's College of Engineering and Technology.

Recognition from Government Schools:

St. Peter's College of Engineering and Technology has also been recognized by various government schools for its extension activities. Through the NSS Unit and faculty members, the college has conducted a series of programmes that have shed light on sensitive and critical issues. Avadi Municipality School (Annanur), Avadi Municipality School (Konambedu), Avadi Municipality School (Avadi), have acknowledged SPCET's efforts and appreciated its commitment towards creating socially responsible student community.

Benefits of Awards and Recognitions:

- Increases Motivation
- Shows Appreciation
- Encourage Friendly Competition
- Improve Productivity
- Creates a Positive Environment

File Description	Document
Upload Additional information	View Document

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

Response: 60

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

2021-22	2020-21	2019-20	2018-19	2017-18
16	4	10	15	15

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 44

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

The Institution has adequate infrastructural facilities for teaching-learning. It is spread out in a lush-green arena of 10.29 acres. The College has an adequate number of ventilated Classrooms, Smart-Class Rooms, Common Rooms, Laboratories, AC Computer Labs, Seminar halls, Auditorium, Library, Rest Rooms, Staff cabins, HOD cabins, Office and Library. The college has a Placement Cell, Training Division and Industry-Institute Partnership Cell.

The college has adequate infrastructure and physical facilities for teaching-learning. The following are the details of existing infrastructure pertaining to the same, 53 Classrooms, 122 Laboratories, 02 Seminar Halls, 01 Conference Hall, 01 Auditorium

We have 53 classrooms of which 37 classrooms are equipped with ICT facilities. Each class room measures 78.05 sq.m. The college has 2 Seminar Halls with AC facilities, adequate Public Addressing System, LCD Projection Systems, recording facility and lecture capturing facilities.

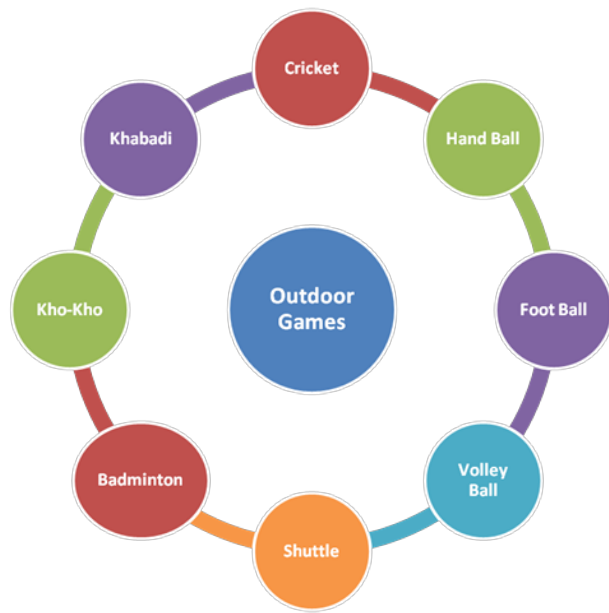
The Institution has 200 exclusive, well-ventilated hostel rooms attached with rest rooms for boys with an area of 4000 sq.m and 100 rooms for girls with an area of 2000 sq.m separately. The institution serves hygienic food (both vegetarian and non-vegetarian). The institution has a medical center with a doctor. There is an ambulance facility for medical emergencies. A reprographic center, canteen, and stationery shops are other facilities provided for the students.

The institution has adequate facilities for sports, games (Indoor-outdoor), yoga center and cultural activities.

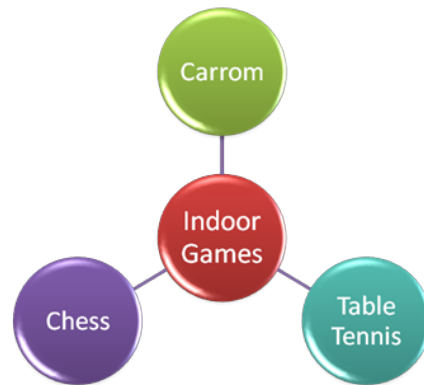
The Institution has a well established playground with an area of 8093.20 sq.m. The Physical Director trains the students on various sports activities. Every year various sports events are conducted prior to and on sports day. Institution encourages our students to participate in Sports & Games conducted in Zonal, Districts, State and National level.

Indoor and Outdoor games

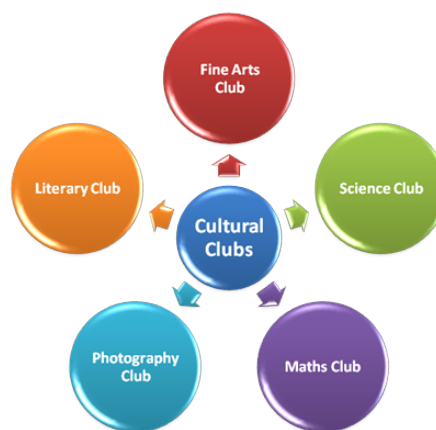
Outdoor games: The Institution has a spacious outdoor game facility. It has 1 Cricket ground, 1 Volleyball court, 1 Foot Ball court, 2 Badminton / Shuttle, 1 Handball court , 1 Hockey Court , 1 Kho-Kho court and 1 Kabadi court.



Indoor games: The Institution has indoor games facilities such as Table-Tennis Tables, Chess and Carrom Boards. Every day, the last hour i.e 3:00 - 4:00 pm is allotted for practicing and playing various sports. This rejuvenates the physical and mental strength of the students and helps them to be more active in curricular, co-curricular and extra-curricular activities.



Gym: The Institution has Gym facilities open from 5 am to 7am in the morning and 5 pm to 9 pm in the evening including Sundays & holidays. The college has a spacious yoga center with a capacity of 150 participants. Yoga center celebrates Yoga Day.



The institution has various cultural clubs namely Fine Arts Club, Science Club, Maths Club, Photography Club and Literary Club. Based on the interest of the students every Saturday, the last hour is allocated for conducting events and competitions by the clubs. Not only academics but also such extra curricular activities revived the interest among the students to accomplish both in academic and non-academic activities.

File Description	Document
Upload Additional information	View Document

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 23.66

4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
113.57	3.81	35.64	26.37	210.93

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

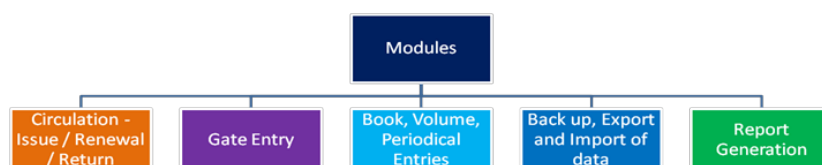
4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

The college has a well equipped, spacious library with a carpet area of 435 square meters. The library has a seating capacity of about 100. The library is always updated with the latest collection of books, titles, national and international journals and online resources for students and faculties. Textbooks and reference books are readily available in the library as per the requirements and regulation of the affiliating authorities. The central library is equipped with 24186 books , 6862 volumes, 197 national and international journals. The central library has also subscribed for IEEE, DELNET and NDL e-journals and printed journals.

The library is fully automated with the Library Management System (LMS) Software version 5.1. It is an integrated multi user system that fully automates the library. The software has different modules for,



All the books are bar-coded and bar-code scanners are used in circulation counters for book transactions. Scanners are also used for maintaining the staff and student entry details.

The library has remote access to e-resources with an Internet connectivity of bandwidth 150 Mbps. The digital library has about 15 computers that are connected to the internet and are available for the students and staff in the library. All the computers in campus can access the e-resources from anywhere within the campus.

The working time of the library is from 8.30 am to 5.00 pm on weekdays and 8.30 am to 1 pm on weekends. The Library Management System enables the generation of the average yearly, monthly or per day utility rate of the library. The average student and staff utility rate of the library per day for the year 2021-2022 is recorded as 24.13 %

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

The Institute has very good IT facilities for students and faculty. There are more than 350 computer

systems in the campus with LAN connection. The Institution updates and upgrades the computer facilities as per the requirement and intake of the students periodically.

The college has an internet connection of 150 Mbps bandwidth capacity. There are 4 Wi-Fi hotspots that extend internet access. The internet access is completely restricted and controlled with the help of a firewall. Also all the computer systems in the lab are connected to UPS supply to provide an uninterrupted power supply backup. Generators are also available to support the extended hours of usage during the exam time and placement.

There is a smart classroom connected to a computer with internet, speaker facilities for better teaching-learning process. Also the college has about 37 ICT enabled classrooms out of the total 53 classrooms.

The campus is under Microsoft Campus Agreement. All the labs are installed with the latest softwares as per Anna University syllabus. Both paid and open source softwares are used for practical classes.

E-governance softwares is used for planning and development, administration and student admission support. CCTV cameras are installed in the campus for ensuring security and safety of the students.

File Description	Document
Upload Additional information	View Document

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

Response: 2.38

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 296

File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 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: 25.98

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)

2021-22	2020-21	2019-20	2018-19	2017-18
67.38	79.49	82.37	100.97	98.42

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 74.86

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

2021-22	2020-21	2019-20	2018-19	2017-18
513	585	821	982	1285

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 74.89

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

2021-22	2020-21	2019-20	2018-19	2017-18
482	697	737	1075	1197

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 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 supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 57.39

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
130	213	164	259	224

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
175	412	290	365	483

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 100

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
5	11	6	6	4

5.2.2.2 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

2021-22	2020-21	2019-20	2018-19	2017-18
5	11	6	6	4

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 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) during the last five years

Response: 14

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	2	4	5	3

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

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

Response: 11.2

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
14	3	13	13	13

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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:

A registered Alumni association is active for the support of the institution. Alumni meet is conducted periodically. The alumni association is active in organizing guest lectures, placements, internships throughout the year based on the specific stream of the respective alumnus. Digital rapport was created through linkedin, facebook, instagram, emails and whatsapp. Every event organized in the institution was communicated to our alumni through digital mode to create a platform for our alumni that bridges them with the institution in all aspects. The placement coordinator and heads of the departments often interact

with alumni for conducting placement drives. List of eligible students will be prepared by the respective heads of the departments to shortlist the candidate for placements through alumni.

Alumni registration form will be given to the students in their final year to register their latest details for easing the alumni network. Alumni association conducts meetings with the office bearers regularly to strengthen the alumni network. Online alumni meetings were regularly organized for enhancing the institute's innovative interaction on technologies. The strong alumni network has supported in upskilling the mechanical engineering students with the help from our reputed alumni Mr.Md Zuhail and Mr.Md Ashik 2018 passed out batch of mechanical engineering. Their field of work is based on battery operated vehicles, which was inspired by many non-mechanical engineering students.

Alumni faculty members were a great contribution to the institution.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

(a) Governance, Leadership and Management

The institution has an organizational chart for achieving its mission and vision. The Management plays an active role in monitoring all the activities of the institution. The Governing Council meets once in every 6 months to review the progress of all the activities and also recommends new initiatives. The management approves and sanctions the needed fund for the faculty requirement, academic, research, infrastructure, etc.

(b) Perspective Plan for Development

The perspective plan of the institution tunes well with the mission and vision of the institution for effective leadership and governance. Ideas of the stakeholders and virtuous service of the decision making authorities brought an astounding growth and achievement of the perspective plan like

- Permanent affiliation of CSE, IT and MBA
- Eco-Friendly Infrastructure
- Online Competitive Examination Centre
- Skill and Personality Development Programme (SC/ST Students)

(c) Distinctive Characteristics of Mission

Based on the mission tomorrow's engineers are trained to be more competitive to hone employability skills to be responsible citizens of the nation.

(d) Decision Making Bodies

Tuning with the vision and mission of the institution, the governance mainly administered by

- Governing Council
- Planning and Monitoring
- IQAC

Decentralization

The institution follows decentralization and participative management during the conduct of internal examination. As per the directions of the Anna University, three unit tests and two model examinations for 2017 regulation students and Two Internal Assessment Examination (IAE) are conducted for 2021 regulation. Though regulation varies, a decentralized method of conducting the examination was carried out as per the guidelines of the management. The Exam Cell is decentralized into department level for the

conduct of the internal examinations.

The levels of participative team to conduct Internal Assessment Examination are

Administrative Level

Principal assigns the liberty to the Examination Cell coordinator and the Head of the Departments to conduct the Unit Test/ Model Examination productively and proficiently. Dean (A) prepares the academic calendar at the institution level by considering the uploading dates of internal marks in the university web portal. The examination cell coordinator prepares the schedule for the Unit Test/ Model Examination/ Internal Assessment Examinations which is reflected in the academic calendar. The hall superintendents are allocated for invigilation by the Head of the Department after as per the need. To curb malpractice, HODs act as the squad members.

Teaching Fraternity Level

Under the guidance of the HOD, faculty handling the subject prepares the question paper in their respective subjects as per the norms. The quality of the question paper is weighed based on syllabus coverage, pattern and knowledge level. Subject teacher evaluated the answer script within 3 working days. Evaluated papers are verified by the HOD. Subject teacher uploads the internal marks in the Anna University Portal.

Student Level

Grievances based on teaching –learning process, evaluation process could be addressed by the students during the Class Committee Meeting.

Outcome

Decentralization provides freedom to the departments for the conduct of Unit test/internal assessment examination. Faculty and students' grievances are sorted out immediately

File Description	Document
Upload Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

Functions of Various Bodies

1. Governing Council

The governing body (GC) is an integral part which steers the institution towards academic excellence with a holistic approach. The governance of the Institution is reflective of an effective leadership in tune with the vision and mission statements. The established policies in the Institute ensure the integrity and effectiveness of the governance and administration.

- The Governing Council acts as the authority to review and recommend the resources, viz., space, finance, infrastructure and human resources.
- Once in 6 months, the Governing council meets to discuss the performance and requirements of the institution. In the meeting the academic, research, placement and other important activities and events of the college are discussed. Suggestions for improvements, if any are provided by the members.
- The appointments and resignations of the faculty members are brought to the notice of members and are ratified in the meeting. The vacancies to be filled up in various departments are approved in the meeting.
- Before submitting an application to AICTE for increase in intake and introduction of new programmes, the need for the same is discussed and a decision is taken.
- The result analysis of University examinations of various classes is reviewed and the reasons for poor performance, if any are discussed.
- Development of infrastructural facilities, financial allocation to be considered etc., are discussed in the meeting and the recommendations are given.
- The reasons for poor admission to any programme are analyzed and suggestions are provided for improving the admissions.
- Budget proposal for the financial year is considered and approved.

2. Planning and Monitoring Board

- Assesses the academic and other activities of the college.
- Evaluates the progressions of faculty and students.
- Anticipates and frames perspective plans for the progress of the institution.
- Devises the schemes for resource mobilization through industry interaction, consultancy etc.
- Plans and promotes research and extension activities in the college campus.
- Ennobles teaching innovations and placement programmes.
- Plans for maintaining the quality education, quality improvement and accreditation of the college.
- Suggests schemes for promoting participation of academic departments in community development activities in the region.
- Analyzes the reasons for poor admission in any programme and provides suggestions for improving the admissions.
- Considers and approves the Budget proposal for the financial year.

3. Internal Quality Assurance Cell

IQAC was framed to assure and enhance the quality of Teaching-learning process, Research, Industrial linkage and governance. IQAC benchmark and monitors the academic development, students progression and faculty members progression in a systematic way. The IQAC comprises of following members to monitor the various parameters;

- Academic (Dean)
- Activity Coordinator

- Exam Coordinator
- Research Coordinator
- Industrial Linkage Coordinator
- Alumni Coordinator
- Training and Placement Coordinator

4. Staff Selection Committee

- Publishes advertisement in newspapers
- Panel conducts interview for eligible candidates as per the norms given by Anna University
- Transparency is maintained throughout the process

File Description	Document
Upload Additional information	View Document

6.2.2 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
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Welfare measures for teaching and non-teaching members are not only for the development of Faculty and Staff but also for organizational development. St. Peter's College of Engineering and Technology offers various schemes such as Leave, on Duty, Privileged Leave. The welfare measures are offered by the institute to all the employees with the motive to promote the efficacy.

The following are the welfare measures extended to the teaching and non-teaching staff of the Institute:

- Welfare Scheme for Teaching Faculty
- Financial Assistance is provided to the faculty as a token of appreciation and encouragement to conferences, workshops, faculty development programmes, seminars hosted by other reputed

institutions.

- The faculty members are also encouraged to register for Ph.D for their professional upliftment.
- On Duty
- Welfare Scheme Common for Teaching and Non-Teaching Faculty
- Free transport is provided to all the teaching faculty
- One week leave with salary is given for the marriage
- Employee Provident Fund (EPF) scheme is implemented to majority of the faculty members
- Group Insurance
- First aid and Ambulance service in case of emergency
- Casual Leave
- Summer and Winter Vacation
- Welfare Scheme Specifically given for Non-Teaching Faculty
- Employee State Insurance (ESI) scheme
- Trained for using new softwares and for operating new machines
- Encouraged to pursue higher studies as part-time candidates.

Majority of eligible teaching and non-teaching staff members have availed most of these benefits.

Performance Appraisal System:

A Self Appraisal system has been implemented to check the performance of the teaching and non-teaching members and befitting suggestions are provided for professional developments. Feedback system is effectuated at various levels.

Teaching Faculty:

Teaching being the primary function of the faculty, Performance appraisal is done by various methods. Information on quality of their teaching, course delivery, etc., is collected through the following mode,

- Results with Pass Percentage for every subject
- Question Bank Preparation with Answer Key
- Course Work
- Lab Manual
- Proof or Model for Pedagogy
- FDP/STTP/Conference/Seminars attended/organized
- Conduct of Special Classes
- Students Feedback
- Book Publications
- Papers Published in Journal (Scopus, Web of Science, UGC)
- Papers published in Conference
- Helping students to prepare for seminar/mini-project etc
- Arranging for Industrial Visit
- Counseling
- Maintaining of Student's Records (Attendance/Profile etc)
- Arranging Guest Lectures
- Funded Research
- Consultancy Work
- Patent
- Online Certification Courses
- Mentoring for participating in competitions both co-curricular and extracurricular

- Faculty members will be submitting the Self-Appraisal Form at the end of every academic year which will be assessed by the respective Head of the Department and forwarded to the Principal for recognitions and promotions.
- Non-Teaching Appraisal:
- Non-Teaching Faculty are appraised by,
 - Laboratory Maintenance
 - Administrative related work
 - Team work and dedication

The following were appraised by the respective HOD's followed by the Principal for promotions.

File Description	Document
Upload Additional information	View Document

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

Response: 56.09

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

2021-22	2020-21	2019-20	2018-19	2017-18
79	100	94	128	133

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 87.9

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
169	182	185	216	229

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
39	45	37	24	19

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

St. Peter's College of Engineering and Technology is an institution run by "Lakshmi Saraswathi Trust" in Avadi, Tamil Nadu. The noble Trust has lead the institute since its inception in 2008 and has established the college as a self finance college. The mobilization of funds is not an issue because the proper utilization of financial resources is planned at the beginning of every academic year and the fund is effectively used throughout the year.

The source of income is mainly generated from the students' fees. The fees collected from students are used for many academic development activities of the College. The hostel fee is collected from hostel students and used for operations and maintenance of Hostel.

Apart from these, there are other sources of fund mobilization ;

Sponsored Research Project obtained by the faculty members from funding agencies,

- Government grants offered for skill development programmes
- SC/ST Scholarships
- First Graduate Scholarship
- 7.5% School quota scheme
- Alumni Contribution

Every department submits the budget proposals based on their requirements for the academic year. It will be consolidated and submitted to the management for the approval. Based on the sanctioned budget, funds are released to the departments.

Finance department is responsible for mobilization of funds. Finance department takes the responsibility for the optimal deployment of the funds on the payment towards

- Salary
- Tax
- Suppliers
- Service Providers,
- Purchasing of Equipment
- Developing the Infrastructure
- Software Renewals
- Electricity Expenses
- Lab services
- Payment of affiliation fee to AICTE
- Consortium Fee
- DOTE Fee
- Anna University Affiliation Inspection Fee
- No Objection Fee
- Lab Consumables
- Computer and Peripheral purchases
- Construction and Maintenance
- EPF
- Purchase of Books and Journals
- Promotional Expenses (Digital Marketing/Websites)
- Internet Expenses
- Advertisements'
- Postage and Telephonic Expenses
- Students Welfare expenses
- Students Symposium
- ERP
- Bank Charges
- Traveling and Conveyance
- Security Service Charges
- Printing and Stationery

Every financial transaction is recorded and updated.

The institution has both internal and external audits done by qualified chartered accountants for every financial year. Last audit was done for the financial year 2021-2022. There is no audit objections pointed out and hence compliance does not arise.

File Description	Document
Upload 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The quality policy of the institution is to endeavor for implementing continual improvement in academic performance and professional skill in Engineering. It also strives to develop the ethical values of the students and to enhance their eligibility for higher studies and for becoming employable.

Internal Quality Assurance Cell (IQAC) takes the upper hand to ensure and enhance the quality of students' performance through a mentoring system continuously by Academic Administrative Audit. The institution upgrades the quality through the recommendations of the IQAC.

The IQAC is continuously ensuring various quality assurance steps at all levels of the institution functioning as mentioned below.

1. Teaching Learning process – Outcome Based Education (OBE)
2. Institute Innovation Council (IIC)
3. Utilization of ICT Tools
4. Industrial tie-ups
5. Research Publications and Patents
6. Feedback

Teaching Learning process – Outcome Based Education (OBE)

Outcome based education (OBE) system has been implemented towards strengthening the learning potential of students. Implementation of OBE has eliminated many deficiencies of traditional learning. Benefits of OBE,

- Flexible and holistic pedagogy applied for teaching -learning process.
- Significant skill development among the learners
- Avoids the gap between formal education and career training
- Measure of learner's actual performance
- Learner-centered classroom approach rather than Teacher-centric
- Activity-based curriculum in which the teacher performs and the learner manipulates

Institute Innovation Council (IIC)

The main objective of functioning of IIC includes, conducting various innovative and entrepreneurial activities, Organizing regular workshops, seminars, interactions through successful entrepreneurs, investors and offering a mentoring support for student innovators,

Utilization of ICT Tools

There are 37 ICT enabled Classrooms in St. Peter's College of Engineering and Technology that helps bind Teacher-Student interaction into the next level. Teachers can experiment with different learning techniques and directly check their impact by tracking students' performance through ICT.

Industrial Tie-Ups

MoUs with different industries creates a link between the student and the industry relevant to their specific branch and helps to to enhance their practical knowledge needed according to the needs and evolution in the industrial sector. Seminars and Guest Lecturers organized with the eminent personalities from the industrial sector inculcates the spirit among the students to acquire more knowledge on the needed sector and also motivates them to aim for better placements.

Research Publication and Patents

IQAC gives importance to research publications and patents as it evolves not only the growth of the institution but also it empowers the strata of the research personnel.

Feedback

Feedback is also obtained from the students through questionnaires, class committee meetings, alumni and other stakeholders. The feedback is used to improve the teaching-learning process. Our institution maintains its own reputation by communicating its quality assurance policies to both internal and external stakeholders by discussing the quality policy of the institution, maintaining the quality of education and proposing programmes for enhancement of the academic quality. Due consideration is given to the feedback received from alumni and efforts are taken to incorporate the suggestions.

File Description	Document
Upload Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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 and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

The concept of gender equity refers to “fairness of treatment for both women and men, according to their respective needs. This may include equal treatment in terms of rights, benefits, obligations and opportunities. Gender equity in education means that males and females have equal opportunities in terms of economic, social, cultural, and political developments. Focus on promoting the equal participation of women and men in making decisions; reducing enrolment gap between both the genders. Giving equality in the learning process, educational outcomes and external results and providing equal benefits for both sexes. If gender equity is exactly achieved, this will contribute to the development of the future of girls in all sectors on par with boys.

Gender sensitization is the process of raising knowledge of gender equality concerns and changing people’s attitudes and behavior towards other genders. Our Institution is very keen on maintaining workplace balance as well as promoting gender equality among all the students despite their sex. SPCET has organized various programmes every year to encourage and empower the students, teaching and non- teaching fraternities by creating awareness on safety related issues. Actions undertaken by the Institution include,

- Programs and activities to motivate, inspire, connect and celebrate women entrepreneurs.
- Health awareness orientation session on the need for a balanced diet.
- Awareness programmes to create Gender awareness and gender related challenges for young boys and girls.
- Freshers were briefed about gender equity and encouraged to assist deprived women to build self-confidence.
- Orientation program on Anti-ragging and Prevention of sexual harassment of women at workplace.

SPCET celebrates National and International days enthusiastically every year. All staff members and students gather in the college to celebrate these days. Every culture has a number of festivals and celebration has become a vital activity. Celebration of cultural and constitutional festivals is an integral part of college's co-curricular activities. The academic calendar is brimming with important events which show enthusiasm of this institution in celebrating many national as well as international days and commemorative events and festivals. Important days are celebrated by students through various clubs and cells to create integrity and national spirit

File Description	Document
Upload Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

The college's focus on promoting ethical, cultural, and spiritual values among the students and staff is crucial in today's society. As the world becomes increasingly diverse, it is essential to foster a sense of community and unity. By celebrating cultural, regional, linguistic, communal, and socio-economic days, the college can promote a shared understanding and respect for different cultures and traditions. Celebrating events like Teacher's Day, Youth Day, Induction Program, Rally, Plantation, Women's Day, Yoga Day, Pongal, Christmas, Ayudha Pooja, and more is an excellent way to encourage students and staff to come together and celebrate their shared values. These events provide an opportunity for students to learn about each other's customs and traditions and

appreciate the diversity of their peers. By celebrating together, students and staff can build strong relationships based on mutual respect and understanding.

The college's focus on promoting ethical values is equally important. By instilling values like honesty, integrity, and respect for others, the college can help students become responsible and ethical citizens. Such values are essential for personal and professional growth and are highly valued in today's society. The college's efforts to organize motivational lectures by eminent persons are an excellent way to encourage students to imbibe these values and become responsible citizens. In addition to promoting ethical, cultural, and spiritual values, the college's efforts to provide strong infrastructure for sports activities are also essential. Physical activity is not just important for good health but also for developing essential life skills like discipline, teamwork, and leadership. By providing students with opportunities to participate in sports and games, the college can help them develop these skills and become well-rounded individuals. Furthermore, the college's focus on promoting social and communal harmony is highly commendable. By celebrating events like Women's Day and Youth Day, the college can help raise awareness about social issues and promote gender equality. Such initiatives are critical in a society where discrimination and prejudice are still prevalent. The college's efforts to promote communal harmony are also essential in today's society. By celebrating events like Pongal , Ayudha Pooja, and Christmas, the college can help students appreciate the diversity of religions and promote religious tolerance.

In conclusion, the college's efforts to promote ethical, cultural, and spiritual values among the students and staff are highly commendable. By celebrating cultural, regional, linguistic, communal, and socio-economic days, the college can promote a sense of oneness and social harmony. The college's focus on promoting ethical values is essential for developing responsible citizens, while its efforts to promote spirituality can help students lead more fulfilling lives. Additionally, the college's provision of strong infrastructure for sports activities is essential for the physical and mental well-being of the students. The college's efforts to promote social and communal harmony are equally important in today's society. By fostering a sense of tolerance and harmony towards diversities, the college is paving the way for the creation of a healthy and moralistic environment that is accepting of everyone.

File Description	Document
Upload Additional 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:

Best Practice-1

Title of the practice:

• SLIP TEST

Objectives of the practice:

- **Assessment of students' understanding of concept on daily basis**
- **Improve the students' attention and doubt clarification during the lecture hour**

The context:

The continuous reading habits among the students have reduced. The students have the habit of reading the subjects only before the examinations. This has hampered the performance in the exams. Due to discontinuity in the regular practice, many students have lost interest in engineering. Faculty members were unable to predict the level of understanding of the knowledge delivered to them. The slip test is a method of daily evaluation of students to help the faculty members to understand the average understanding of the lecture delivered. This self evaluation on a daily basis enabled the students to know his gray area of understanding and suitable remedial measures could be taken.

The practice:

- **Slip test will be conducted 15 minutes at the end of lecture period twice a week**
- **The Question pattern will be descriptive/ objective/ analytic from the topic taught in that hour**
- **The gist of the lecture can be reviewed by this slip test.**
- **Further students may have better practice on recognition and recollecting memory skills.**

Evidence of success:

- **The performance of the students is improved in the internal assessment and end semester exams.**
- **It will reduce the burden of accumulating the subjects to study at the time of exams.**
- **The students' interaction in the classroom is increased**
- **The continuous learning/ reading practice is improved**
- **Students become more confident to appear for any competitive exams**

Problems encountered:

- Could able to spare 15 minutes to assess the students understanding
- Additional time to cover the syllabus is a challenge as the duration of semester is governed by the University.

Resource Required

- Required stationery have been provided by the Management

The image shows two pages of handwritten student work. The top page is titled 'ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY' and 'CLASS TEST - ANSWER SHEET'. It contains answers for 'fluid power symbols (choose)'. The student lists symbols for:

- direction pump: 1) fixed and in direction, 2) fixed and bi direction, 3) variable.
- meter: 1) fixed and in direction, 2) fixed and bi direction, 3) variable.
- cylinder: 1) single acting, 2) double acting, 3) double rod, 4) telescopic.

 The bottom page is also titled 'ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY' and 'CLASS TEST - ANSWER SHEET'. It contains a flowchart for the 'PAHL + BEITZ MODEL' with steps:

- classify the task, elaborate the specimen.
- specification
- Identify the essential problem + develop the solution
- concept
- develop the preliminary layout
- Preliminary layout
- optimise the form design + prepare part list
- draw to layout
- complete the detailed drawing layout
- produce documentation

 On the right side of the flowchart, there are labels for 'Preliminary design', 'Conceptual design', and 'Detailed design'. There are red annotations and a score of 8/10 on both pages.

BEST PRACTICE -2

Title of the practice:

INDUSTRY-INSTITUTE INTERACTION

Objectives of the practice:

- **To bridge the gap between the industry and Institute.**
- **To offer technical consultancy to the specific needs of the industries**
- **To offer courses on the latest developments in engineering and technology to practitioners**
- **To carry out development activities in collaboration with industries and governments**
- **To impart in-plant training to students and faculty members at industries**
- **To arrange industry and public sector sponsored project assignments for students**
- **To improve the campus placement**
- **To share the expertise between institutions and industry on mutual benefit.**
- **To organize Guest lectures, FDP and VAC for the students and staff.**
- **To promote entrepreneurship.**

The context:

Industry-Institute Interaction identifies the industrial expectation and promotes institutional preparation for meeting industrial needs by facilitating sponsored R&D projects, seminars, workshops and various other industrial training programmes. Industry Institute partnerships reflect in equipping faculty to latest practices and makes the students industry-ready by providing exposure to current industry practices, and hone their skills to adapt changing technologies. The primary focus of Industry-Institute Partnership Cell (IIPC) is to interact with elite industries in and around Chennai, and extend the efforts in establishing partnership with industries across the country in near future. Unfortunately, our syllabus is more theoretical rather than practical. This limits the practical knowledge enhancement among students and faculty members. To enhance the industrial skill in state-of-the-art technology for students and faculty members, the college has taken a prioritized approach to link the industries in various activities of the institution viz., collaborative seminars and workshops, industrial training, internship, industrial projects etc. One of the hidden outcomes of this venture is students' placement.

The practice:

Industry, Students and Society stand to gain a win-win partnership. In order to strengthen the Industry-Institute interaction, we have organized the following activities which benefited the students and faculty members.

- **57 workshops/ seminars are conducted on IPR & Industrial linkages**

- **Industry Institute Partnership Cell (IIPC) has signed 21 MoUs with Industries to carry out collaborative work in project development, training and consultancy**
- **296 industrial linkage programs such as internship, industrial projects, field trip, on-job training and research have been organized.**
- **76.47% of students benefited from the training over 5 years.**
- **For effective teaching-learning processes, 82% of faculty attended Professional Development Programs and gained exposure to modern industrial practices**

Evidence of success:

- **Developed and established a framework for end-to-end support of aspiring Entrepreneurs through collaborative approach with CED and Government nodal agencies.**
- **Established Entrepreneur Development Cell to support aspiring entrepreneurs.**
- **Faculties are encouraged to commercialize their Patents.**
- **Designed, developed and implemented training modules for enhancing the skills of students and society under the various State/Central government initiatives/Private & Public sector organization/NGOs.**



Vision Innovative Products

- **Vision Innovative Products is a manufacturer of battery operated vehicles & its spares. They Design, Analysis and Fabricate – E Rick Shaw (electric). It is the start-up of our Alumni Entrepreneur Mr. J. Mohamed Suhail Ahmed & Mr.Mohamed Asik of 2019 batch.**



Problems encountered:

- **Linking with global industries is a challenge**
- **Spending more time with industry for specialization in latest technology is not possible due to the semester duration constraints.**
- **High cost of Professional softwares and hardware to develop the industrial standard project in campus**
- **Procuring the platform of implementation according to the industrial requirements in campus**

resources required:

- **Professional softwares and hardware to develop the industrial standard project**

File Description	Document
Best practices as hosted on the Institutional website	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:

“Alchemize to Achieve” is the theme of the institute that binds and houses the spirit of every one to set his or her mind to alchemize the self from one level to another level. SPCET inculcates a vivacious attitude to kindle the spirit of tomorrow's engineers to overcome all the challenges and hurdles that prevent them to grow at various levels. From the admission to a specific course in the institution till the exit, the institution takes various steps to groom them in varied aspects, i.e., physically, mentally and emotionally besides making them competent engineers to face the global challenges.

Grooming Arenas

- **Induction Programme**
- **Internships and Projects**
- **Extra-Curricular Activities**
- **Skill Development Programme**
- **Soft Skill Training**
- **Placement and Training**
- **Entrepreneurship Training**

The prime motive of the college is to mould and empower the students in their pursuit of knowledge both physically and mentally so that they would become a holistic citizen of the nation.

Induction Programme

The Induction Programme is conducted before beginning of the regular classes to bridge the gap between the school and college environment. As per the guideline of the AICTE, the Induction Programme is conducted mandatorily for two weeks by AICTE trained faculty members. The purpose of this programme is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the people and society.

The following are the activities conducted under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

(i) Physical Activity

This would involve a daily routine of physical activity with games and sports, yoga, gardening, etc.

(ii) Creative Arts

Every student would choose one skill related to the arts whether visual arts or performing arts. Examples are painting, sculpture, pottery, music, dance etc. The student would pursue it everyday for the duration of the program. These would allow for creative expression. It would develop a sense of aesthetics and also enhance creativity which would, hopefully, grow into engineering design later.

(iii) Universal Human Values

This is the anchoring activity of the Induction Programme. It gets the student to explore oneself and allows one to experience the joy of learning, stand up to peer pressure, make decisions with courage, be aware of relationships with colleagues and supporting stay in the hostel and department, be sensitive to others, etc. It is best taught through self introduction, group discussions and real life activities rather than lecturing.

(iv) Literary Activity

Literary activity would encompass reading, writing and possibly, debating, enacting a play etc.

Internships and Projects:

An internship gives a student the opportunity for career exploration and development, and to learn new skills. SPCET provides a platform for students to expose themselves to the current industrial requirements. Through internshala most of the students have been benefited.



11210 /TVS-07/2021-22

Certificate

*This is to certify that
Mr. Harinughavan, A has
successfully completed
Virtual Internship Program on Electric Vehicle
conducted by TVS Training and Services Ltd.,
19th July to 26th July 2021*

A handwritten signature in blue ink, appearing to read "J. Induseelan".

Authorized Signatory

TVS Training and Services Limited

Plot No.81, Reddy Street, Athipattu-Venagaram Main Road, Ambattur Industrial Estate, Chennai-600058.

Ph: +91 44 26136600. www.tvsls.com

Our students actively participated in the SAE Collegiate Club to enhance and showcase their professional skills by participating in various zone and state level events. Our students participated in the BAJA vehicle challenge, Tractor Challenge, Efficycle challenge and Drone challenge.





Efficycle Designed by SAE club students

BAJA Vehicle Designed by SAE club students



Tractor Designed by SAE club students.

Extra-Curricular Activities:

Extra-Curricular activities encompasses sports and cultural activities that help the students to build a strong physical and mental ability. It also helps the students to be competent enough to face any competitions in inter-collegiate, zonal, State and National Level. Students are given a chance to practice all these activities one hour per day which includes the working hours of the college. Students show- case their talents in their own interests. It also helps them to take failures as stepping stones and build self-confidence to face the situation till they win. It also builds team-spirit and leadership quality which is an important component for job-recruitment. Many of our students developed this team spirit and exhibited it by bagging gold,silver and bronze medals and trophies in Anna university Zonal tournaments. Students of SPCET have won 8 gold, 6 silver and 8 bronze medals in the last five years. Nearly 120 students participated in zonal tournaments. Besides, extra-curricular activities conducted through Fine Arts Club help all students to showcase their talents.

SPCET facilitates and nurtures the self-responsibility, self-discipline and self-growth of students through NSS, YRC and EDC cell. NSS has facilitated 250 students to serve society, and YRC has enabled 250 cadets to serve the community.

• **Handball Championship**

- 2013 Silver Medal
- 2014 Gold Medal
- 2015 Gold Medal
- 2016 Gold Medal
- 2017 Gold Medal
- 2018 Silver Medal
- 2019 Gold Medal
- 2020 Silver Medal



• **Cricket Championship**

- 2019 Bronze Medal

• **Football Championship**

- 2013 Gold Medal
- 2014 Gold Medal
- 2015 Gold Medal
- 2020 Silver Medal



• **Hockey Championship**

- 2014 Silver Medal
- 2018 Bronze Medal
- 2021 Bronze Medal



• **Boxing Championship**

- 2013 Gold Medal

Sports Champions

Skill Development Programme

To be techno-savvy, 508 students have enrolled in skill based courses under NAAN MUDHALVAN Scheme. 54 value-added courses were offered in the past five years. Students are active members in professional bodies like IEEE, ISTE. SPCT organized the PMKVY scheme to train industry-relevant skills to economically weaker sections. Under the scheme, 102 candidates were trained on CNC Operator, Computing and Peripherals and Plumbing.



PMKVY CNC Operator certificate distribution

Soft Skill Training

Soft Skill training has also been offered in various fashions. Nearly 21 training programs have been organized for the benefit of 986 students. Software and core training have been organized for students to prepare them for placements. Training is given to improve the communication skills of our students. Furthermore, to develop their skills, foreign languages like Japanese and German were offered for interested students.

Placement and Training

Placement and Training cell facilitates training and placement activities for the students and ensures placement in industries and companies. Training refines the skills of the students and helps them become employable.



Personality Development talk by Dr.Radhakrishnan

Entrepreneurship Training

Entrepreneurship Development Cell (EDC) was established in 2014 with a vision to bridge the gap between Industry and Academia. The cell undertakes several activities for students to develop the spirit of entrepreneurship. This enhances their ethical capabilities needed to begin new ventures.



Entrepreneurship day activities

Outcome

- 5% of Entrepreneurs have evolved from SPCET in the past five years
- Many students have placed in reputed MNCs

File Description

Document

Appropriate web in the Institutional website

[View Document](#)

5. CONCLUSION

Additional Information :

1. The college implemented the NAAN MUDHALVAN Scheme which has Skill Based Courses & Value Added Courses successfully.
2. AICTE has sanctioned the fund for establishing the centre for Skill & Personality Development (SPDC) to improve the communication skill of SC/ST students
3. SPCET has successfully implemented PMKVY scheme for drop-out students.

Concluding Remarks :

St. Peter's College of Engineering and Technology (SPCET), an Anna University affiliated Institution located in Avadi, Chennai, Tamil Nadu is run by the Lakshmi Saraswathi Educational Trust in the year 2008. The Institution aims to impart training to students to develop their Intellectual powers, identify and cultivate interest and talents, and train them to become responsible and eminent citizens of India. This institute provides various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics. Student life includes participation in sports, recreational, co-curricular and cultural activities. The institution is spread over a sprawling campus with lush-green arena of 10.29 acres. St. Peter's College of Engineering and Technology was established in the year 2008 with 4 UG programs, the college stands tall today by offering 9 UG and 3 PG programs. The College had implemented Choice Based Credit System (CBCS) with effect from the Academic year 2017-18. The Institution has been accredited by NAAC with 'A' Grade in 2016. Anna University, Chennai has granted "Permanent Affiliation" status to the department of Computer Science & Engineering (CSE), Information Technology (IT) and Master Business Administration (MBA). The Institution also has 12(B) and 2(f) status.

As per NAAC guidelines, we have completed the first step of Assessment and Accreditation. The Institutional Information for Quality Assessment (IIQA) was approved on 13.02.2023 with Track Id TNCOGN26071. It gives immense pleasure to submit the Self Study Report of our Institution to NAAC, Bangalore for Second cycle of Re-Assessment. The report is an outcome of collective efforts of all faculty members and students. This report is prepared as per the guidelines laid down by NAAC.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	<p>Number of Add on /Certificate/Value added programs offered during the last five years</p> <p>Answer before DVV Verification : 54 Answer After DVV Verification :49</p>																																								
1.3.2	<p>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</p> <p>1.3.2.1. Number of students undertaking project work/field work / internships Answer before DVV Verification : 427 Answer after DVV Verification: 427</p>																																								
2.1.2	<p>Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>197</td> <td>134</td> <td>231</td> <td>189</td> <td>431</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>193</td> <td>132</td> <td>223</td> <td>181</td> <td>411</td> </tr> </tbody> </table> <p>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>375</td> <td>417</td> <td>459</td> <td>546</td> <td>724</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>375</td> <td>417</td> <td>459</td> <td>546</td> <td>724</td> </tr> </tbody> </table> <p>Remark : as per the documents</p>	2021-22	2020-21	2019-20	2018-19	2017-18	197	134	231	189	431	2021-22	2020-21	2019-20	2018-19	2017-18	193	132	223	181	411	2021-22	2020-21	2019-20	2018-19	2017-18	375	417	459	546	724	2021-22	2020-21	2019-20	2018-19	2017-18	375	417	459	546	724
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3.3.1	<p>Number of research papers published per teacher in the Journals notified on UGC care list during the last five years</p>																																								

3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
17	16	27	27	20

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
07	12	18	11	10

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**3.3.2.1. 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:

2021-22	2020-21	2019-20	2018-19	2017-18
6	4	9	4	6

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
6	2	2	0	2

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years**5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

5.2.1.2. Number of outgoing students year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
189	413	297	493	577

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
175	412	290	365	483

5.3.1	<p>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) during the last five years</p> <p>5.3.1.1. <i>Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 470 1046 604"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>4</td> <td>6</td> <td>9</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 683 1046 817"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>2</td> <td>4</td> <td>5</td> <td>3</td> </tr> </tbody> </table> <p>Remark : as per documents</p>	2021-22	2020-21	2019-20	2018-19	2017-18	1	2	4	6	9	2021-22	2020-21	2019-20	2018-19	2017-18	0	2	4	5	3
2021-22	2020-21	2019-20	2018-19	2017-18																	
1	2	4	6	9																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	2	4	5	3																	
5.3.2	<p>Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)</p> <p>5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1176 1046 1310"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>4</td> <td>31</td> <td>31</td> <td>31</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1388 1046 1523"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>3</td> <td>13</td> <td>13</td> <td>13</td> </tr> </tbody> </table> <p>Remark : as per the documents</p>	2021-22	2020-21	2019-20	2018-19	2017-18	31	4	31	31	31	2021-22	2020-21	2019-20	2018-19	2017-18	14	3	13	13	13
2021-22	2020-21	2019-20	2018-19	2017-18																	
31	4	31	31	31																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
14	3	13	13	13																	

2.Extended Profile Deviations

ID	Extended Questions										
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count): Answer before DVV Verification : 354 Answer after DVV Verification : 350</p>										
1.2	<p>Number of teaching staff / full time teachers year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="196 2042 986 2083"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18					
2021-22	2020-21	2019-20	2018-19	2017-18							

2021-22	2020-21	2019-20	2018-19	2017-18
164	186	180	246	255

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
162	173	159	233	225

2.1 **Expenditure excluding salary component year wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
164.85	190.54	402.10	468.25	423.86

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
164.85	190.54	402.10	468.25	423.86