



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

## **PONJESLY COLLEGE OF ENGINEERING**

PONJESLY COLLEGE OF ENGINEERING, ALAMPARAI, NEAR  
PARVATHIPURAM, NAGERCOIL KANYAKUMARI DISTRICT

629003

[www.ponjesly.ac.in](http://www.ponjesly.ac.in)

**SSR SUBMITTED DATE: 04-03-2024**

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**March 2024**

# 1. EXECUTIVE SUMMARY

---

## 1.1 INTRODUCTION

Ponjesly Charity Trust was founded in 1991. Shri. Pon Robert Singh, a young dynamic enthusiastic, able administrator and an industrialist with visionary zeal founded Ponjesly Filament Private Limited in the year 1989, Ponjesly Public Higher Secondary School in the year 1996, Ponjesly Engineering College in the year 2004, Ponjesly College of Education in the year 2005 and Ponjesly Public School (CBSE) in the year 2019 and Ponjesly Super Specialty Hospital was started in the year 2021. The main objective of the Trust has been focused on starting the Educational Institutions Schools, Engineering Colleges, Teacher Education Colleges, Medical Colleges, Law Colleges, and Arts and Science Colleges to provide quality education to the entire student community at all levels.

Ponjesly College of Engineering is committed to provide quality technical education to all, and to prepare the students with requisite knowledge, skills and competency to face the challenges of the changing world of tomorrow. The institution has the best-in-class infrastructural facilities with regard to the Project Lab, Workshops, Drawing Halls, Digital library, Computer centers, Auditoriums, Conference Hall, Seminar Halls, Canteen and hostel. The college bestows an excellent Sports Internet facility, RO Plant as well as extra-curricular activities like YRC, Ninja coding club, Women empowerment cell, Innovation cell, Fine arts club, Ensav Clubs etc.

The college has seven UG (CSE, ECE, EEE, MECH, IT, CIVIL, AI & DS) Programmes, Six PG Programmes in Engineering and one PG Program in Management Studies, with 129 full time teaching faculties and 57 non-teaching staff. The institution has produced 119 University rank holders during the last 5 years as well as we have a good placement record every year. This incredible progress of the institution is because of the meticulous planning and long term vision of the management.

### **Vision**

To become a center of excellence in the field of engineering through futuristic technical education with high moralistic values, to empower students to achieve their full potential to withstand the global competition.

### **Mission**

To provide an outstanding technical education that combines rigorous academic study to experience learning success and become lifelong learners to practice sustainable development.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### **Institutional Strength**

- The college possesses an impressive infrastructure and exceptional facilities that cater to students' needs comprehensively.

- The institution consistently upholds a strong track record in university rankings, successful placements, and outstanding academic results.
- The college is equipped with cutting-edge research centers specializing in Electrical and Computer Engineering, and Mechanical Engineering.
- Management motivates the students, who excel in academics, with rewards and by exempting their full fee.
- Students' attendance is done digitally through PONJESLY APP for easy and effective monitoring.
- Dedicated and committed faculty members with an average of 9.74 years of teaching experience with staff student ratio of 1:13.
- Staff reviews are conducted every week to strengthen classroom teaching and constantly monitor the student's performance for Effective mentoring and counseling system.
- Industrial visits are regularly arranged for our students in organizations like Akamai Technologies, INFOSYS, HATSUN, ISRO, Ashok Leyland, Indian Institute of Space Research, Nuclear power plant kudankulam, etc.
- Every year, workshops, conferences, seminars, symposiums, and management meetings are organized.
- Provision for Personality Development and Career improvement of the students through Co-curricular and Extracurricular activities.
- Sports facilities have been established for both indoor and outdoor games. Indoor games include badminton, table tennis, carom, chess, swimming, and shuttlecock. Outdoor games include Cricket, Football, Basketball, and Volleyball.

### **Institutional Weakness**

- Students are from rural areas, so the communication skills and general knowledge of students are weak.
- Flexibility in curriculum is not possible. (Being an affiliated institution delays arise in executing curriculum planning wherein the new technologies could not be followed with regards to the curriculum).
- Challenges in getting Research Funded projects.

### **Institutional Opportunity**

- The most needy rural-based students are provided with quality education.
- Alumni association is formed and it is active in improving the standards of students and the Institution as a whole.
- Orientation programs are organized to develop entrepreneurial skills among students.
- Opportunities to carry out research projects and any other research initiatives.
- Achieve autonomous status.
- Emphasis on solar based renewable energy sources and use of Power saving appliances.

### **Institutional Challenge**

- Declining interests among students in joining engineering programs as they prefer are diverted to other professional courses.
- Global recession in employment scenario.
- Changes in the attitude and aspiration of the students.

- To fulfill the gap between institution and Industrial needs.
- Reorienting the students from rural background with local language as medium of instruction towards English.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

Ponjesly College of Engineering is affiliated to Anna University, Chennai and it follows the University prescribed curriculum and syllabi. The Academic Calendar is prepared based on the Anna University Academic schedule provided for affiliated colleges to ensure proper teaching learning processes and continuous evaluation. The curriculum delivery is ensured by a lesson plan which is prepared by faculty members. Course file is maintained by each course teacher, which is evidence of the record of curriculum delivery. The effective curriculum delivery is ensured by the evaluation process by tutorial and internal tests. All examinations are conducted according to the Academic Calendar. Remedial / Special classes are conducted for slow learners. Record of the regular attendance, mark lists and progress of the students are maintained by the respective departments.

Attendance of each student for both forenoon and afternoon sessions and marks scored for all assessments are sent to the parents through Ponjesly App. Every teaching staff will act as a mentor for a group of students and monitor the students in their progress and motivate them. Class committee meetings are conducted thrice in the semester to monitor the progress of curricular and extracurricular activities. Students are encouraged to attend events like workshops, symposium etc., on and off the college to enhance the knowledge of the curriculum.

To become more competitive in the present environment, our faculty encourages students to enroll in NPTEL courses and add-on courses. Students are encouraged and motivated to attend various internship programmes to gain practical knowledge and obtain real-world experience and to learn about the opportunities and nature of employment in industries. The quality of teaching-learning and evaluation process is improved by obtaining Feedback from students, teachers, employers, alumni and professionals at the end of the year by the institution, which are discussed with the appropriate bodies and corrective actions are made, if needed.

### Teaching-learning and Evaluation

The most important thing in the teaching learning process of this institute is the ability of its teachers to create enthusiasm and generate curiosity among the students. Being a minority institution, 50% of the students admissions are done through Anna University Counseling following the government reservation policies, remaining 50% seats are filled by Management following the government policies. Well qualified teachers are recruited as per procedure and for the current year, the student-full time teacher ratio is 13:1. ICT tools are used for effective teaching and learning processes. The teachers are encouraged to participate in conferences, seminars, orientation and refresher courses to make their teaching more innovative and effective.

Classroom teachings are supplemented through seminars, workshops, industrial visit, internship and e-courseware (NPTEL). Faculty members are encouraged to do research and at present 36 doctorates are available in this institution. The department will carry out internal assessment on all subjects and practicals are conducted based on the syllabus prescribed by the Anna University. The students are made aware of the evaluation procedures, well in advance.

Moreover, parents are informed about the internal assessment test marks and Attendance through Ponjesly App. Our College has clearly defined learning outcomes which are stated in terms of the Vision, Mission and Goals of the college. Each department also has Vision, Mission and well defined Program Outcomes which reiterate the learning outcomes. The performance of Students and their attainment are observed by means of internal exams, laboratories, projects, assignments etc.

### **Research, Innovations and Extension**

Our institution is located in an eco-friendly campus and our management encourages staff and students to carry out research projects that give practical solutions to problems. Our college research center is approved by AICTE and Anna University Chennai for ECE and Mechanical departments. Our Innovation cell is functioning effectively and our faculty members and students have published a number of research papers in journals and conferences. Our faculties have filed and published patents in various fields. We are conducting workshops, seminars and conferences in our institution. Our students are actively participating in the Smart India Hackathon.

Our management team encourages social welfare activities like laying of public roads, road safety and maintenance programs etc. As we are Engineers, managers and vigilant citizens of India, we know the importance of energy conservation and we are trying to make the people realize the importance of energy conservation. Our Ensav club members are actively participating in energy conservation programs. We are using decentralized energy generation and distribution for conserving electrical energy in our campus.

Our institution, including management, staff and students are actively participating in public welfare programmes through Youth Red Cross, NSS etc. Our institution has received rewards and recognition for the extension activities. Our students and staff team participated in free medical camp, first aid training program, dental camp , Eye camp etc.... Our college has signed MoUs with various organizations in India to improve student's knowledge.

### **Infrastructure and Learning Resources**

Ponjesly College of Engineering is affording essential infrastructure facilities for quality technical education. The college has 49 lecture halls, 8 tutorial halls, 5 seminar halls, 1 drawing hall, 1 conference hall, 4 examination halls, 2 auditoriums and 38 laboratories. Students and faculties are aided with college transport facilities. Resource persons, guests are taken care of at the guest house. Sports facilities have been established for both indoor and outdoor games. Indoor games include badminton, table tennis, carom, chess, swimming, and shuttlecock. Outdoor games include Cricket, Football, Basketball, and Volleyball. Separate and spacious hostels are provided inside the campus for both boys and girls.

The average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years is approximately 31.24%. The Central library spreads over an area of 1141.74 m<sup>2</sup>. It has an extensive collection of books continuously augmented. Circulation of books is done through the Barcode system. The library subscribes to numerous numbers of popular periodical, National and International journals, e-journals such as IEEE, ASME, ASCE and holds membership with DELNET, N-List, NDL, ICTACT. It has about 33,882 books, 1,781 international e-journals and 87 printed journals. 190 rare books such as Encyclopedias, Handbooks, Dictionaries and Costly Books. 117 competitive exam preparation books are available in the library. The average annual addition of books is about 472 volumes. A wide collection of 1165 non book

materials CDs is available. The central library book bank for SC/ST students has 3,280 books.

The AT Broadband service facilitates internet connectivity for 428 computers at a speed of 100 Mbps..The college has a structured system for maintaining and utilizing the facilities available. The average percentage of expenditure for the last five years for physical maintenance and academic maintenance excluding the salary component is 45.35%.

### **Student Support and Progression**

Student welfare is always at the heart of the college's vision and governance. The institution comprehensively chalks various student welfare programs in inclusive admission policies, infrastructural facilities, curricular, co-curricular and extension activities. Economically backward students are identified and helped with fee concession and scholarship assistance. The college ensures and supports the students for submitting the procedural applications of various scholarships provided by the state and central Government of India.

College gives special focus on coaching for competitive examinations, soft skill development, career counseling, remedial coaching, personal counseling, yoga, meditation and bridge courses. Language lab helps in improving students' communicative English. Remedial coaching is provided for slow learners, Tamil medium students and vocational students. Personal counseling is a core activity of every teaching staff as a mentor. Orientation programs, career counseling and guidance programs are organized to familiarize students with curricular, co-curricular, extra- curricular activities and career opportunities. Some students have cleared national level competitive examinations and have progressed to higher levels of learning or employment. Grievances pertaining to students are redressed by the Grievance Cell. The Anti-Ragging Committee and Anti-Sexual Harassment Cell took ample measures to prevent untoward incidents in the campus. The centralized placement cell assists students for career identification and employment. Placement services are offered in the college for the outgoing students and possess a continuous track record of high recruitment by renowned firms

The Sports and Cultural Committee provides all round development by organizing and encouraging students' participation in inter and intra college level extra-curricular activities. Sports and cultural activities are being conducted to facilitate holistic development of the students during the last 5 years. Several students have excelled in sports out of which one is a bronze medalist in state level wrestling. The Women Empowerment Cell empowers the girls through various awareness programs on health, legal, social and career prospects. Apart from formal counseling sessions the girls are encouraged to have informal meets with faculty members of their own choice in needy times. This institution has a vibrant alumni association that contributes financially and non - financially for college activities.

### **Governance, Leadership and Management**

Our Institution aims at providing a center of excellence in the field of engineering through futuristic technical education with a well-defined vision and mission. The governing council, comprising distinguished members from management, esteemed academicians, renowned industrialists, and prominent educators, oversees the institution's operations. Regular meetings between the Chairman, Director, Principal, faculty, cells, and students are conducted, embodying a participatory management culture.

Critical to our institution's ethos is the autonomy granted to Heads of Departments (HODs) for comprehensive departmental improvements. Collaborative faculty discussions with HODs ensure collective proposals are

rigorously scrutinized during sessions with the principal. Faculty members actively contribute to institution committees, injecting diverse perspectives for enhanced outcomes. Our commitment to quality education is reinforced by a robust Performance Appraisal system. The Appraisal team, consisting of the Principal, HODs, and senior faculties, assesses faculty performance across teaching, research, teamwork, and engagement in co-curricular and extracurricular activities. Financial support is extended to faculties of ponjesly for attending conferences & professional development programs in the last five years. Emphasizing inclusivity, our institution has supported students from Jammu & Kashmir through the Prime Minister's Special Scholarship Scheme.

Over the past five years, over 100 students secured Anna University Ranks, with merit scholarships rewarding academic excellence (CGPA 9 and above). A proactive internal academic audit system, in collaboration with the IQAC, ensures continuous improvement in examination questions and monitors student projects through a dedicated project review committee. Our commitment to quality in professional education is unwavering through IQAC.

### **Institutional Values and Best Practices**

In our institution, more than 65% of the faculty members are women, who are in major positions like HODs and Coordinators of club activities. CCTV cameras installed throughout the college premises. Separate Common room is available for girls on every Floor. Separate canteen and stairs is available exclusively for girl students. The institution celebrates national and international commemorative days, events and festivals like Republic day, Independence Day, Onam, and Diwali. Extension activities also have been organized beyond the campus. We have a full time health center inside the campus for the health and well being of the students and staff.

The institution has initiatives for alternate sources of energy like Solar and Wind Energy Conservation Systems and an effective waste management system to dispose of the wastes. Provision has been made in the college campus for rain water harvesting. The runoff collected is directed to the nearby ponds. Bore well pump, Drinking Water RO Plant equipped with water purification system provided to meet the water needs of the institution. Green practices are followed with restricted entry of automobiles and the Campus is situated in a green landscaping and has facilities for Disabled-friendly and barrier free environment.

Quality audits on environment and energy like Green Audit, Energy audit, Environment audit, Clean and green campus initiatives are followed. The best practices namely 'Mentoring and Counseling', 'Enhanced Inter-Department Competency' are being practiced to improve the personality development of students and make them ready to face the challenges in the industry. To improve the academic quality of students, the institution focuses on holistic development of students with regular staff review, one to one coaching, tutorial test, sports and extracurricular activities. As an outcome, more faculties have secured centum results in the university examination and many students secured ranks in university examinations.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	PONJESLY COLLEGE OF ENGINEERING
Address	Ponjesly College of Engineering, Alamparai, Near Parvathipuram, Nagercoil Kanyakumari District
City	Nagercoil
State	Tamil Nadu
Pin	629003
Website	<a href="http://www.ponjesly.ac.in">www.ponjesly.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	G. Natarajan	04652-259680	9489986220	-	ponjeslyce@yahoo.co.in
Professor	R. Isaac Sajan	7010-669696	9791380960	-	ponjeslyisaac@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular



<b>Recognized Minority institution</b>	
If it is a recognized minority institution	Yes <a href="#">Minority Status.pdf</a>
If Yes, Specify minority status	
Religious	CHRISTIAN
Linguistic	
Any Other	

<b>Establishment Details</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Tamil Nadu	Anna University	<a href="#">View Document</a>		
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>		
2f of UGC	02-11-2018	<a href="#">View Document</a>		
12B of UGC	24-05-2019	<a href="#">View Document</a>		
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	02-06-2023	12	Renewed every year

<b>Recognitions</b>	
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

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Ponjesly College of Engineering, Alamparai, Near Parvathipuram, Nagercoil Kanyakumari District	Rural	20.33	46000

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/ Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering,Civil Engineering	48	HSC	English	30	12
UG	BE,Computer Science And Engineering,Computer Science And Engineering	48	HSC	English	120	120
UG	BE,Electrical And Electronics Engineering,Electrical And Electronics Engineering	48	HSC	English	30	21
UG	BE,Electronics And Communication Engineering,Electronics And Communication Engineering	48	HSC	English	60	59
UG	BE,Mechanical Engineerin	48	HSC	English	60	49

	g,Mechanical Engineering					
UG	BTech,Information Technology,Information Technology	48	HSC	English	60	60
UG	BTech,Artificial Intelligence And Data Science,Artificial Intelligence And Data Science	48	HSC	English	60	60
PG	ME,Civil Engineering,Structural Engineering	24	HSC	English	18	17
PG	ME,Computer Science And Engineering,Computer Science And Engineering	24	B.E	English	18	6
PG	ME,Electrical And Electronics Engineering,Power Electronics And Drives	24	B.E	English	18	0
PG	ME,Electronics And Communication Engineering,Applied Electronics	24	B.E	English	18	0
PG	ME,Electronics And Communication Engineering,C	24	B.E	English	18	7

	ommunicatio n And Networking					
PG	ME,Mechani cal Engineeri ng,Thermal Engineering	24	B.E	English	18	0
PG	MBA,Master Of Business Administarti on,Master of Business Ad ministration	24	ANY UG DEGREE	English	60	60
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Commu nication Engineering,	48	ANY PG DEGREE	English	6	6
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering, Mechanical Engineering	48	ANY PG DEGREE	English	6	1

**Position Details of Faculty & Staff in the College**

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	22				14				88			
Recruited	9	13	0	22	6	8	0	14	25	63	0	88
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				44
Recruited	41	3	0	44
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				22
Recruited	13	9	0	22
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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.	9	13	0	6	8	0	0	0	0	36
M.Phil.	0	0	0	0	0	0	0	9	0	9
PG	0	0	0	0	0	0	25	54	0	79
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	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	

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	286	0	0	0	286
	Female	107	0	0	0	107
	Others	0	0	0	0	0
PG	Male	28	0	0	0	28
	Female	61	2	0	0	63
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	5	0	0	0	5
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	5	7	10	8
	Female	4	5	3	4
	Others	0	0	0	0
ST	Male	0	1	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	271	243	205	218
	Female	143	142	116	163
	Others	0	0	0	0
General	Male	15	22	20	24
	Female	18	13	20	18
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
<b>Total</b>		<b>456</b>	<b>433</b>	<b>374</b>	<b>435</b>

### **Institutional preparedness for NEP**

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The Vision of National Education Policy is to provide high quality education to develop human resources in our nation as global citizens. The key principles of NEP such as diversity for all curriculum and pedagogy with innovative ideas in teaching and learning will be initiated and fit the learners for encouraging logical decision making and innovation, critical thinking and creativity. PJCE is affiliated to Anna University wherein the academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses through Naan Mudhalvan, Add-on courses and electives, institute has started offering these electives to students. All the courses offered by institute are Choice Based Credit System</p>
--	---



	(CBCS). All programmes are designed in such a way that students can get maximum flexibility to choose elective courses.
2. Academic bank of credits (ABC):	PJCE has already offers credit-based courses and projects as per the curriculum and organizes community engagement and social service activities for the fulfillment of the programs. The college has sufficient collaborations and MoUs testifying to its satisfactory state of standard education. The college has acquainted its faculty with the procedures to offer online courses through various platforms and faculty in curriculum design and pedagogy is enhanced through formulating a curriculum for certificate courses.
3. Skill development:	The vision of PJCE is promoting Value-Based Quality Education, hence the college takes efforts to inculcate positivity among the learners. The college also celebrates National festivals like Independence Day and Republic Day. Observing various programmes like World AIDS Day, Environment Day, observing the Death and Birth Anniversary of our National leaders which help in imbining the good qualities of the students. Mentoring students is also one of the practices of the institution that enable the mentees to explore future employment pathways after graduation, and help them to get the most of their studies. PJCE's curriculum has introduced UG and PG students to undergo internship in industry to enhance / upgrade their technical skills to know the trending technologies in their domain area to cater to the socio-economic needs. It includes courses which integrate crosscutting issues relevant to Professional Ethics, Human Values, Environment and Sustainability. Ability Enhancement Courses offered by the college for UG students are aimed at providing hands-on-training, competencies, value based skills, etc. Final year students are encouraged and motivated to take up project works related to societal problems and to execute the project work.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Located in a multilingual region, PJCE promotes the exchange of linguistic and cultural traits of heterogeneous groups. Students can get an opportunity to develop their multilingual capacity in Tamil, Malayalam, Hindi, and English alike. The college offers 'Heritage of Tamil', a paper in semester-I as a part of curriculum for the learners to

	<p>appreciate legacy of this state. Preservation and promoting of languages is one of the target of the College in future.</p>
5. Focus on Outcome based education (OBE):	<p>PJCE has adopted OBE in teaching-learning process. Outcome Based Education (OBE) which is a student centric instruction with a clear statement on what Knowledge, skills and attitudes the Graduate Engineer will be able to demonstrate after having acquired on successful completion of a 4 year program of study. Vision and Mission of the Department are framed in line with the Institute's Vision and Mission. Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) are also framed by every department to achieve its vision and mission. Course Outcome (CO) statements are framed for every course and are mapped to Program Outcomes (POs). Based on formative and summative assessments, the set target levels and set attainment levels for a program, attainment levels of POs and PSOs of all the courses of a program are computed. To bridge the curriculum gap and to address all the POs, site/industry visits, symposium, Management games, seminars, workshops etc. are conducted by every department and to check the effectiveness of teaching-learning process and to take necessary actions for further improvements are performed at the department level by Internal Quality Assurance Cell (IQAC) of the Institute.</p>
6. Distance education/online education:	<p>Due to Covid -19 pandemic, educational institutions in the country has increasingly involved in using digital platforms for engaging in classes and conducting conferences and meetings. Keeping aside the negative impact of the lack of face-to-face learning, online education has broken the geographical barriers creating interaction between experts and students from distant geographies. PJCE offers study materials and lecture notes to students via the Ponjesly App, Google Classrooms, Zoom, Google meet using videos as teaching and learning aids. Group collaboration Smart classrooms and blended learning are encouraged in PJCE and we encourage the students and faculty members to register online courses offered by NPTEL and SWAYAM platforms.</p>

**Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Established in the year 2022.
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?	YES, Student Coordinator and Coordinating faculty members are appointed by the college and ELC is well functioning in the campus. ELCs are representative in Character.
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 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.	Voter Registration camp for the eligible students in the campus. Voter awareness rally conducted at Nagercoil, Kanyakumari district. Voter awareness guest lectures conducted for in-house students. Recently, "GO ELECTION TAMILNADU 2023" was conducted by Government of Tamilnadu in association with Ponjesly Electoral Literacy Club.
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.	Research is been carried out in Secure and Transparent Blockchain-Based E-Voting with Cloud Integration by PJCE Research scholar & Faculty.
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.	Voter registration drive conducted at Institute for above 18 yrs of age students

## Extended Profile

---

### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1572	1543	1628	1803	1954

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

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

Response: 250

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
129	143	151	205	202

### 3 Institution

#### 3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
405.6	473.42	441.31	791.53	727.05

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 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:**

Ponjesly College of Engineering is affiliated to Anna University, Chennai and it follows the University prescribed curriculum and syllabi. The college plans to deliver the curriculum in most effective way. The curriculum delivery and the internal assessment schedule are prepared in advance in the form of academic calendar. The college academic calendar is based on the university's academic schedule meant for affiliated colleges.

The college adheres to academic calendar to ensure proper teaching–learning processes and continuous evaluation. The course teacher is identified based on expertise and interest of the faculty member. The course teacher develops the lesson plan and the lesson plan is developed in a structured format to have uniformity. The lesson plan not only has the time frame for covering the syllabus but also it has the ICT use info. Course file is maintained by each course teacher and the evidence of the record of curriculum delivery is maintained.

In addition to regular lecturing process, the course teachers are encouraged to use various ICT tools and other innovative techniques like conducting seminars, quiz, group discussion. The students are given assignments too on new and challenging topics.

The continuous internal evaluation is followed to ensure effective teaching – learning process. The evaluation process consists of periodic tutorial tests, internal tests and model examination.

The effective curriculum delivery is ensured by Evaluation process which is done by tutorial test, internal test, and model-examination. These are conducted to check whether the students have acquired the knowledge as outlined in the objectives of the curriculum. All examinations are conducted according to the Academic Calendar.

The effective curriculum delivery is ensured by offering Remedial classes. Tutorials are held daily to monitor the progress of the students. Remedial / Special classes are conducted for slow learners. Record of the regular attendance, mark lists and progress of the students are maintained and preserved by the respective departments.

Class committee is constituted in every class. The students and all course teachers are the members of the class committee. The committee meeting is held three times in a semester to monitor the progress of academic activities including performance of internal examination. The remedial action like conducting extra classes, improvement examinations is decided in the class committee meeting.

The students' attendance to the classes is crucial and same is recorded for both the forenoon and afternoon sessions. Attendance report along with marks secured is sent to parents to keep parents in loop for academic activity of their wards. The teachers are not just the course instructors but are mentors for the students. The assigned mentees freely discuss with their mentors for their difficulties and progress.

The college arranges events like workshop, symposium etc. and the students are encouraged to attend and participate in such activities to improve their learning. Effective delivery of curriculum including conducting internal evaluation is done in a planned manner, which are recorded, maintained and documented by each department.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 128

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### Other Upload Files

1

[View Document](#)

### 1.2.2

***Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years***

**Response:** 95.66

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1514	1481	1551	1713	1872

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1

***Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum***

**Response:**

The Institution follows Anna University curriculum which includes courses Environmental Science and Professional Ethics. The efforts created by the Institution to integrate cross cutting issues related to Gender, Environmental Education, Human Values and Professional Ethics into the curriculum are as follows:

#### **1. Gender:**

The institution has a strong secularism and unity culture, which is demonstrated by the peaceful coexistence of students from different religious, racial, and socioeconomic backgrounds. The Institution offers Co-education and equal opportunities for both girls as well as boys in terms of admissions, employment and training Programmes. Both genders are encouraged to work together in various curricular, co curricular and sports activities. There is no discrimination in offering representative posts of various committees amongst girls and boys. The College encourages women faculty and female students to become members in all the committees. The Women Empowerment Cell was framed to redress the grievances of the female students and women faculty to promote leadership qualities. Every year women's day celebration was conducted in our college to recognize their achievements without regard to divisions, where national, ethnic, linguistic or cultural. Motivational Programmes and Seminars are also conducted by the Women Empowerment Cell which aims to understand their strength and



potential.

## 2. Environmental and Sustainability:

Anna University has prescribed Environmental Science and Engineering as one of the core courses for students of all branches to learn about environmental conditions, pollution, resource conservation, social issues, rain water harvesting, global warming etc. N.S.S. promotes environmental protection through tree plantation and other sustainable development programs. Green day was celebrated periodically for societal welfare. It was celebrated on 31.05.2022 by planting trees in the Ponjesly Super Speciality Hospital premises to provide an eco-friendly environment and to enrich the environmental awareness among the students. Sanitation Camp was organized by NSS under the Swachh Bharat scheme during the year 2022-2023. Through the Ensav club, energy audit and energy conservation program was conducted periodically. The college is also keen on maintaining environmental protection by rainwater harvesting, sapling plantation, solar energy harvesting, windmill and vermicompost.

## 3. Human Values and Professional Ethics:

PJCE has an active National Service Scheme and Youth Red Cross where various community development activities like Blood donation camp, Fitness medical camp, Yoga camp, Cancer Awareness Programme, Health Awareness Programme. As per curriculum Environmental Science and Engineering (GE3451) is a mandatory course for all B.E./B.Tech. students in all disciplines. In addition, courses on Air Pollution and Control Engineering (OCE551), Geographic Information System (OCE552), Principles of Management (MG8591), Intellectual Property Rights (GE8075), Strategic Human Resource Management (BA4015) etc. are offered to raise the awareness about the efficient use of natural resources for a sustainable environment.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

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

**Response:** 96.18

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

Response: 1512

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 62.68

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
443	423	370	435	435

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

2022-23	2021-22	2020-21	2019-20	2018-19
588	588	588	678	918

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 62.14

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
179	183	159	178	230

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

2022-23	2021-22	2020-21	2019-20	2018-19
261	261	261	296	416

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

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

**Response:** 12.19

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

The role of our college which is affiliated under Anna University is to provide world class engineers.

- For this, our college takes several steps to modulate the students to become a good citizens as well as good engineers in our society.
- Our college takes various measures to mentor the students to be best in their academics.
- Experienced and qualified staff members are friendly to the students and help them to cope up with their studies.

**Experiential learning:**

- ICT tools enabled classrooms are established for enhancing student's subject knowledge via multimedia teaching tools (PPTs, videos) and that are included in everyday teaching.
- To access technical resources, Wi-Fi facility is enabled inside the campus.
- Extension activities, internships and trainings ensure experiential learning for students.

**Participative Learning:**

- For the students, to attain knowledge beyond their syllabus, guest lectures, seminars, webinars and workshops are organized by the respective departments by calling experts from various industries and academia.
- Students are given individual projects and class assignments, which helps them on self-study and independent learning.
- Class room discussions, debates, presentations by students, brain storming activities, creating mind maps, role play, facilitate participative learning
- Along with this, soft skill trainings like C++, JAVA, Python and CISCO have been given to the students by the experts. Students are motivated to participate in events conducted by inside/outside colleges.
- Industrial visits are also arranged for the students to provide industrial experience.
- Students are encouraged by the college to participate in activities conducted by YRC and ENSAV club to show their responsibility on the society.
- Faculty members and students are motivated to register for NPTEL online certificate courses for improving their subject knowledge.
- Well-equipped laboratories and library enriched with e-resources are available in the campus. Incentives are given to the class toppers in every semester, by the management.
- Achievers are honoured by circulating their achievements to all classes and by displaying their names in website, banners etc. Rank holders are honoured by rewarding them during Graduation day.
- Students are given projects/dissertations to find creative solutions to the real-world problems and challenges of organizations they work with.
- We have developed several support systems for the students and teachers, that expand the learning environment like the library, and computer resource center.
- ICT and multi-media-based learning are extensively used in class room processes. Opportunities are provided to foster better learning among students.

**Problem Solving Methodologies:**

Tutorial-based learning is being followed to improve students' problem-solving abilities. Students can interact one-on-one with faculty members to clarify doubts, which results in better outcomes and supports students for finding solutions for problems. Moreover participation of students in various events guides them to analyze and solve technical problems.

ICT tools facilitate instructors' and students', access to journals and additional information and improve teaching and learning experiences.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

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

**Response:** 100

**2.4.1.1 Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
129	143	151	205	202

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***

**Response:** 22.89

**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	42	39	40	30

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:**

The following procedures are adopted to ensure transparency in the assessment

- Academic calendar is planned well in advance. Examination timetable are informed to students, well in advance through circulars, as well as information is printed in the Academic calendar.
- A centralized schedule is prepared so that all classes take up the internal assessments tests on the same day .This enables the exam cell to make hall plans in such a way as to assign invigilators to the students in the ratio 1:25.
- To ensure thoroughness and to minimize human errors, internal and model exam questions are set by concerned staff assigned for each department. Concerned Staff member's handover two set of questions to IQAC. IQAC select any one question set and handover to exam cell.
- Based on the key & scheme of evaluation prepared by the teacher, prior to correcting the answer scripts forms the basis for marking the answer scripts.
- Before distribution of answer scripts to students, the, HOD ensures randomly that the scripts have been evaluated based on the scheme of evaluation.
- The answer scripts of examinations are shown to the students after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the necessary corrections are carried out.
- After every internal assessment test, the marks are displayed in the notice board.

- The college also conduct meeting with parents to tell them how their wards are performing in the academics and other activities. Internal Marks are being communicated to Parents periodically through Ponjesly APP.
- For lab courses, the marks scored by the students for each experiment is indicated in the observation/ record.Consolidated laboratory results are displayed in notice board.

**Grievance redressal for internal Assessment:**

- Internal assessment test marks and attendance are uploaded in the Anna University web portal.
- Suitable explanation is offered by the course teacher in case of any clarification asked for/ discontent expressed by any student.
- If the student is still in need of assurance, clarification will be given by the HoD of the concerned department.
- Further clarification, if needed, will be provided by the exam cell coordinator and finally by the Principal

**Grievance redressal Mechanism for summative Assessment by the University:**

The current procedure for addressing grievances expressed by the students regarding valuation for the end semester examination scripts is as charted below:

Step: 1

- Publication of results
- Online access to grades obtained - if found dissatisfactory

Step: 2

- Apply for photocopy of answer scripts on payment of stipulated fee.
- Revaluation of answer scripts by the course teacher on receipt of photocopy.

Step: 3

- Apply for revaluation based on the recommendation by the course teacher and on payment of stipulated fee
- Await for revaluation result.

Step: 4

- Further apply for 'Challenge Valuation' if still dissatisfied



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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*

#### **Response:**

The Programme Outcomes (POs) and Course Outcomes for all programmes are defined and they are the driving force for effective teaching – learning process. They are disseminated widely to ensure that all stake holders especially the students and teachers are aware of these and work towards achieving them. The POs and COs are the reflection of Vision and Mission of the Department and the College.

The College has several programmes and Programme Specific Outcomes (PSOs) are already defined. Course Outcomes are defined based on PSOs. These are the basis of Outcome Based Education. The college is committed to provide best education system to produce most competent engineers and responsible citizen of the country.

Each course has well stated course objectives and course outcomes which are made available to the students along with the syllabus or by the course teacher at the beginning of the semester. The course teacher is involved in developing the course objectives and the primary responsibility of achieving lies on the course teachers. The course teachers are sensitized to achieve course objectives, the course outcomes.

The Vision and Mission of the college are prominently displayed in strategic points in the college campus such as front office area, main lobby, each floor corridor, canteen and hostels, visible for students, faculty and other visitors to read and imbibe.

The college website also carries this information in its home page. The Program Educational Objectives and the Program Outcomes of each department are put up on the department notice boards, laboratories and in the vicinity of the class rooms. These are also posted in the departmental pages of the college website. The course teachers refresh the students' memory by recalling the Vision and Mission of the college and of the department.

Course Outcomes are statements that define the knowledge, skills and attitudes that the students would be able to develop at the end of the course. Course Outcome statements are specific and measurable. The POs reflect the ability of graduates to demonstrate knowledge in fundamentals of basic sciences, humanities, social sciences and engineering sciences and apply these principles in understanding and practically apply the knowledge in professional core subjects, electives and projects which enables the graduates to be competent at the time of graduation.

The graduates are sensitised to adhere to professional and ethical responsibilities in the pursuit of their careers and also for the benefit of the society. These outcomes also enable the graduate to pursue higher studies and engage in research and development for a successful professional career.

Program Outcomes and Course Outcomes are not only displayed for information and persuasion but also analyses the achievements.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

#### **Response:**

The college has outlined POs and COs for all programmes and courses. The college takes all possible steps to achieve these objectives. The attainment of POs and COs are evaluated by direct and indirect methods.

Infra structure facilities and faculty competency in the department are crucial in the attainment of these objectives. Analyzing University Curriculum, Identifying the gaps in POs and Delivering content beyond syllabus to bridge these gaps are significant steps in attainment.

#### **Direct Methods:**

- The performance of Students and their attainment are observed by means of tutorial exams, internal exams, laboratories, projects, Assignments etc.
- The college conducts three internal exams for all courses and analyzes the performance of students in the faculty review meeting and steps to be taken for enhancing students' performance are discussed.

**Program Educational Objectives (PEOs)** describe the career and professional accomplishments that programs are preparing graduates to attain within a few years (3-5 years) of graduation. It is purely based on alumni survey.

**Course Outcomes (COs)** -- Course Outcomes are statements that describe what students are expected to know, and be able to do at the end of each course. These relate to the skills, knowledge, and behaviour that students acquire in their matriculation throughout the course.

**Assessment**– Assessment is a process, which collects data for evaluating the achievement of Programme

Educational Objectives and Programme Outcomes.

**Mapping** – Mapping is the process of representing, preferably in matrix form, the correlation among the parameters. It may be done for one to many, many to one, and many to many parameters.

All the subjects in the degree programme are different in nature; some are fully theoretical, some with theoretical and practical sessions and some with fully practical sessions. In order to attain the COs of such subjects with different natures as well as to attain POs, direct and indirect tools are used by faculty members.

### Course Outcome Assessment Methodology

For CO attainment, faculty members write the course outcomes for their respective subjects.

After this, correlation is map between COs and POs as well as COs and PSOs on the scale of 0 to 3. i.e., for no correlation 0, for low correlation 1, for medium correlation 2 and for high correlation it is scaled as 3.

Next, COs-POs mapping, is formed for all the courses in the program. Finally, a program level CO-PO Matrix and CO-PSO matrix is formed by merging all the mapping matrices of COs-POs of all the subjects.

Direct Methods include:

- Internal Exam I, II, III
- Assignments
- Laboratory work
- Project work

### Indirect Methods

- Course exit survey
- Student Exit Survey
- Alumni Survey

For the above tools / methods, different weightages are assigned for calculation.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3****Pass percentage of Students during last five years (excluding backlog students)****Response:** 93.68**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
406	397	561	572	523

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

2022-23	2021-22	2020-21	2019-20	2018-19
454	426	561	574	610

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.96

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## 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:** 15.04

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

2022-23	2021-22	2020-21	2019-20	2018-19
4.94	3.70	2	4.4	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Availability of facilities is the precursor for motivation to the students and teachers for venturing into innovative work / research. Realizing the need of appropriate ecosystem, the college has established several cells:

**Institute Innovation Cell (IIC):**

The Institute Innovation Cell is formed as per directions stipulated by Ministry of Education Innovation Cell (MIC) during the academic year 2018-2019 and is committed to support activities suggested by MIC. IIC aims to engage large number of students and staff in various innovation and entrepreneurship related activities such as Ideation, Problem solving, Proof of concept development, Design thinking, IPR, Project handling and management at Pre-incubation/Incubation stage. Students and faculty members are motivated to attend Webinars, Seminars, and FDTPs organized by the cell.

**Intellectual Property Rights (IPR) Cell:**

The IPR cell was established in the year 2022. IPR cell not only educates the teachers and students on need of protecting IPR but also supports the stake holders to take steps to protect various forms of Intellectual Property: Patent, Copyright, Trademark, etc. The cell aims to help the researchers / faculty members to file and obtain patents.

**Research and Development (R&D) Cell:**

Research cell has been started in the year 2014 with the aim of promoting research culture among the faculty and students. The R&D Cell provides a platform for creativity and innovation to flourish in young minds. It creates a healthy environment for faculty as well as students to think, explore and develop new ideas.

The cell encourages students and faculty members to carry out research in the field of Engineering with innovative ideas.

R&D cell encourages collaboration across industries and motivate faculty members and students to publish research papers and apply for patents for novel inventions. R&D cell coordinates Research and Development activities among departments, faculty members and research students of the institution. Under Graduate and Post Graduate students improve their research skills through group projects, research discussions, research paper writing and research article writing.

R&D Cell has developed a culture of honoring faculty members for their research publication in Science indexed and Scopus indexed journals. It has conducted seminars / lectures to improve publication skills of teachers and students.

A notable achievement is the award of Ph.D degree to 22 research scholars of the Department of Electronics and Communication Engineering and Mechanical Engineering. The affiliating Anna University has recognized these departments for research activities.

**Entrepreneurship Development Cell (EDC):**

Entrepreneurship Development Cell is a center to facilitate entrepreneurial skills among the students. EDC has been encouraging students and teachers since 2019, by conducting various programs like awareness and idea generation programs; conducting idea and innovation competitions, hackathons, workshops and seminars.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**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: 62**

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
15	8	9	17	13

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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: 0.29**

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

2022-23	2021-22	2020-21	2019-20	2018-19
13	24	6	11	18



<b>File Description</b>	<b>Document</b>
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 0.22

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
26	5	16	1	6

<b>File Description</b>	<b>Document</b>
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.****Response:**

Ponjesly College of Engineering excels not only in academics but also in extension activities. It aims at holistic growth of the students. It takes up many community oriented activities sensitizing the students on their responsibilities to the community. The extension activities may be viewed as repaying to society. The students and faculty members have been actively participating in various extension activities benefiting the neighboring community.

Free medical camps provide valuable health services to communities that may have limited access to healthcare facilities. They include general health check-ups, consultations, and screenings for common health issues. Such initiatives can have a significant impact on public health by identifying and addressing health concerns at an early stage. Ponjesly College of Engineering in collaboration with Ponjesly Super Speciality Hospital conducted free medical camp in 7 different places during the academic year 2022-2023.

Anti drug awareness programme, for the youngsters were conducted regularly. Ponjesly College of Engineering in collaboration with “Dina Thanthi” conducted a counseling programme for the benefit of Higher Secondary students to choose their future courses to uplift students. NSS Volunteers arranged a Sanitation Camp in Paechiparai.

The students have actively participated in Energy Conservation in various areas in the district and educated the public about the importance of energy conservation. Students and faculty members participated in Disaster Management Training arranged by Youth Red Cross. A Cyber awareness programme was conducted in connection with cyber crimes. Ponjesly College of Engineering is conducting awareness programme every year to school students in choosing their higher studies.

MBA students planted trees on the World Environment Day to promote eco-friendly environment for the future generation. Ponjesly College of Engineering joined hands with Tamil Nadu Cricket Association for the Blind to conduct First Ever Women Blind Cricket Triangular Series. Students from YRC acted as Volunteers for Mega Vaccination Camp. Ponjesly College of Engineering in association with Tamil Nadu Health department conducted free Covid’19 vaccination camp for the local people. Around 500 people benefitted from that day. Several food camps and online awareness campaigns were conducted during the Covid’19 pandemic days from the institution. Student Volunteers guided the school students in science exhibition. Ponjesly College of Engineering has laid public road for the benefit of people through YRC. NSS conducted free Eye Camp. YRC Volunteers actively participated in Healthy Heart awareness program. Planting trees is a long-term but a very rewarding investment in the environment. Nature Club of the institution is regularly participating in tree plantation inside and outside the campus for an eco-friendly environment in the society. IT department organized “One tree one student” camp to create an eco-friendly campus. Awareness programme about road safety is conducted every year.

The students, the faculty and Management team actively participated in levelling Parvathipuram Channel Road (Panchayat Road) which otherwise may create fatal accidents. The improved channel road benefited the locals.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2

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

##### **Response:**

Ponjesly College of Engineering is conscious of its responsibilities to the society. It contributes significantly to the welfare of the society and is getting recognition from various levels of the society for its countless activities. Some of the societal recognitions are:

- Received Appreciation from the organizer, Kumari Arivial Peravai Young Scientist 2023-24, for conducting an innovative webinar .
- Received award, shield and appreciation from Indian Association for the Blind (IAB) for the amazing commitment towards voluntary contribution for the empowerment of the blind. This is a regular achievement.
- Received appreciation from the Principal, S. T. Hindu College, Nagercoil for delivering a Guest Lecture in the U.G. Economics Association meet 2022.
- Received appreciation from panchayat president of Thenkarai for organizing free medical camp at Karavilai.
- Received appreciation from Chairman of Reethapuram Town Panchayat for conducting free medical camp at Government Middle School, Saravilai.
- Awarded with appreciation letter and gift from Sacred Heart Church, Pallikonam, for organizing free medical camp.
- Received appreciation letter from the Coordinator of Bishop Gnanadason, C.S.I Matriculation School Thittuvilai for the institution's effort in improving health of the community members.
- Received appreciation letter from Parish Priest for conducting free medical camp at St. Peter and St. Paul Church, Kadiyapattanam..
- Received appreciation from Vidhya Arts and Sports Club, Chemparathivilai for organizing free medical camp where community is largely benefited.
- Appreciation received from Panchayat President of Erachakulam for organizing free medical camp at Government High School, Erachakulam.
- Received appreciation from the Managing Director, Ponjesly Super Speciality Hospital for planting trees in the Hospital premises.
- Appreciation received from Tamil Nadu Cricket Association for the Blind to the NSS volunteers for organizing Two days Triangular cricket series for the blind.
- Received appreciation from Principal, Grace College of Engineering, for delivering a key note address for online virtual National Conference.
- Awarded with appreciation letter from the Principal, for the outstanding contribution as a session chair in the International Conference .
- Awarded with appreciation letter from the Principal, Annai Vailankanni College of Engineering, as the Professor from Computer Science and Engineering Department had acted as session chair

for the International Conference in the academic year 2020-21.

- Received appreciation from HR Manager, Titan Eye Plus for the Eye Camp conducted by NSS Volunteers .
- Received appreciation from the General Manager, Global Campus Hiring Head for hosting Elite National Talent Hunt 2019.
- Awarded with appreciation letter from George Muller Children Home for the service of NSS volunteers .

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 51

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

2022-23	2021-22	2020-21	2019-20	2018-19
17	9	2	10	13

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** 31

<b>File Description</b>	<b>Document</b>
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

#### Response:

Ponjesly College of Engineering spreads over 20.33 acres of land of eco-friendly, clean environment at Alamparai, 5 km from Nagercoil. It is a self-sustaining campus with a total built-up area of 46,000 sq.m. Adequate supportive infrastructure is provided for the effective functioning of curricular, co-curricular and administrative activities. Classrooms, laboratories, workshops, library, seminar halls and air-conditioned auditoriums are housed inside various blocks. The details of the facilities available are described:

#### a. Teaching – Learning Facilities

In our campus 49 classrooms with LCD facilities, 8 tutorial halls, 38 laboratories, 5 seminar halls, and 2 auditoriums and a drawing hall are available. The institution hosts 38 laboratories under various disciplines of study. These facilitate staff and students to gain knowledge of the concepts learned.

#### b. ICT Facilities

In our campus 49 classrooms with LCD facilities and 343 computers with internet connections are available in computer laboratories. Smart classes are also available. Students can access to video lectures and e-study material through the Ponjesly App (LMS). Assignment questions, question banks and marks scored in various examinations are posted on the app.

#### c. Other Facilities

Inside the campus, all blocks are facilitated with ramp and lift facilities. The institution has solar panels and windmills for generating electric power. A guest house is located in campus for the visiting professors, placement recruitment teams and other eminent resource persons. There they are treated with hospitality. Three cafeterias are located for providing healthy and hygienic foods.

The central library functions in an area of 1141.74 sq.m and has subscriptions for online resources such as e-journals, e-books, Databases, etc., in addition to regular books, journals, magazines and newspapers.

#### 1. FOR CULTURAL ACTIVITIES

The auditoriums and the open ground are utilized to conduct cultural programmes. The students perform various cultural and traditional events inside the campus and also participate in cultural competitions hosted at other institutions. Several competitions are conducted and winners are honoured during Fine Arts programmes, to promote cultural activities.

## 2. SPORTS

The Institution has sufficient facilities for both indoor and outdoor games for the students to practice and conduct Inter-Collegiate tournaments, Intramural Sports and Coaching Camps.

### 2.1 Facilities for indoor games:

Indoor games are available inside the campus including table tennis, badminton, carom, chess and swimming.

### 2.2 Facilities for outdoor games:

The infrastructure for outdoor sports includes a Football Ground, a Volleyball court, two Basketball courts, a Throw ball court, Ball Badminton courts, a Kho-Kho court and a Cricket Ground. Athletic track space for field events like javelin throw, shot put, discus throw etc. is available. State-level tournaments are being conducted on the Basketball courts periodically.

## 3. GYMNASIUM

An exclusive gymnasium with sufficient equipment is available for the students and faculties. It provides an arena for bodybuilders and interested students.

## 4. YOGA CENTRE

The yoga club is functioning inside the campus and hosts different training programmes periodically. Yoga centre is also available in our campus with an area of 93.24 sq.m.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 4.1.2

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 31.24

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
19.77	67.94	88.11	365.94	345.24

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.2 Library as a Learning Resource****4.2.1**

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

**Response:**

The Central library is located inside the campus, considered as the treasure house of Ponjesly College of Engineering. It was inaugurated along with the college in 2004. It has an extensive collection of books, scientific and technical journals, e-Books, e-Journals, Back Volumes, Project, Reports, magazines, CDs and On-line databases that are augmented continuously. It has a total of 33,882 books, 1,868 (87 Journals & 1781 e - journals) and 2124 e-Books. An average annual addition is about 472 volumes of books. 87 International journals are being subscribed annually.

The Library issues three library cards for Undergraduate students and five library cards for faculties and postgraduate students. The period of borrowing the books is fifteen days for students and three months for faculties, books can be renewed after the due date.

The book bank scheme functions exclusively for SC and ST students, with 3280 textbooks and reference books reserved only for their usage. A total of 190 rare books such as Encyclopedias, Handbooks, Dictionaries and special books are available in the library. A Collection of 1165 Non



Book Material, Content beyond Syllabus CDs is available. 117 Gate and competitive exam books are available for supporting Engineering Aspirants. The average annual addition of books is about 472 volumes, Percentage usage of library by faculties and students per day is 22%. 8 surveillance cameras are installed to monitor library activities.

### **SPACE**

The Library spreads over a total carpet area of 1141.74sq.m. It functions with a spacious reading area, text book, journals section and circulation counter over an area of 333.6sq.m in ground floor and first floor comprises of reading area, reference section, digital Library, SC/ST book bank section, rare book section over an area of 808.14sq.m.

### **CIRCULATION METHOD**

Circulation (i.e. issue and return of books) takes place through the Barcode system. All details of the library collections are fed in the computer and the Online Public Access Catalogue (OPAC) is provided to users for easy access.

### **SOFTWARE**

Central library is fully automated by Techfocuz Digital library software 3.02. This ILMS software improves the efficiency of the library services, makes it easier to access, thus increasing housekeeping operations of the library including issue, return, renewal, cataloguing and information retrieval process easier without physical going.

### **SUBSCRIPTION TO E- RESOURCES**

Based on convenience, relational mobility, low cost of content, provision has been given for our users to access e-resources through subscription, consortia basis and freely available/ open e-resources like e-ShodhSindhu, e-Shodhganga, SWAYAM, Virtual Labs etc. The library is the member of DELNET, National Digital Library (NDL), National Library and Information Services Infrastructure for Scholarly Content (N-List) and ICT Academy of Tamil Nadu (ICTACT).

### **DIGITAL LIBRARY**

Digital libraries provides online access to a wide range of e-resources, rare, expansive collection of materials, lecture videos of NPTEL and out-of-print materials that are difficult to locate in text books. The accessibility and versatility of digital libraries is an invaluable resource for faculties and students seeking knowledge on the latest developments in the Engineering field.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1

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

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

#### **COMPUTING RESOURCES**

Ponjesly College of Engineering has excellent IT facilities for students and faculty. 482 computers are available in the campus with a LAN connection. The highly configured system is available with Dell i5 processor with 8 GB RAM and 1 TB HDD. There are 5 servers available in the server room to provide network connectivity in the campus.

#### **WI-FI AND INTERNET**

Internet facility is provided through AT broadband with a speed of 100 Mbps. By estimating the volume of data transmission, the bandwidth will be further increased during an ad-hoc situation. The computers in the different blocks are interconnected with LAN through switches. The entire campus has various Wi-Fi access points to access educational resources through the Internet and service.

#### **E-SERVICES**

Ponjesly app is effectively used as a Learning Management System by faculty and students for the teaching-learning process. Class notes and assignments are uploaded in the Ponjesly app. Attendance maintenance is also done by Ponjesly app. The college website provides all the essential information for the stakeholders. Updates in technology are shared by faculty as blogs on the website. In case of emergency, Google Classroom is used for teaching-learning process. In an ad hoc situation, the class notes and assignments are uploaded in Google classroom. A bulk SMS facility is also available to communicate important messages to all students and faculty. Faculty create videos on important topics in a subject and they are uploaded in the YouTube and links are uploaded in the Ponjesly app.

#### **UPDATING THE IT FACILITIES**

Based on the gradual increase in the intake of the students, the number of systems in all the laboratories is updated. As per the AICTE norms, the student-to-computer ratio is maintained as 4.58:1. Based on the requirements, necessary software and hardware devices, computer systems and peripheral devices are

purchased. AT broadband is being updated once in a year. Recently, it was updated from 5th April 2023 to 4th April 2024

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.3.2

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

**Response:** 4.58

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

Response: 343

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 45.35

**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)**

2022-23	2021-22	2020-21	2019-20	2018-19
217.48	188.9	169.34	359.42	352.44

  

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 81.76

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
1274	1355	1350	1465	1506

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*Following capacity development and skills enhancement activities are organised for improving students' capability*

- 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
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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:** 62.27

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
953	959	682	1679	1020

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4

***The institution adopts the following for 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
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** 71.96

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

2022-23	2021-22	2020-21	2019-20	2018-19
281	275	412	430	491

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

2022-23	2021-22	2020-21	2019-20	2018-19
454	426	561	574	610

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 5.03

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

2022-23	2021-22	2020-21	2019-20	2018-19
3	6	4	7	17

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:** 148

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
40	15	8	15	70

**File Description****Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[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:** 34.4

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

2022-23	2021-22	2020-21	2019-20	2018-19
45	44	11	46	26

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

- The alumnus forms the major strength of the institution. The Alumni Association was formed in the year 2019 under the title The Ponjesly alumni association. The Institution maintains its alumni network through Alumni Meetings, their visits to the college and college website.
- The alumni meet is hosted by the management generously and the alumni are honoured with mementos. Such meetings are mutually beneficial for the Institution and the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge and insights.
- The alumni meet is conducted once in a year, where the alumni from different branches of the undergraduate and postgraduate programs share their views and give suggestions for the betterment of their junior students. Alumni interact with the current batch of students to offer valuable insights about corporate culture, corporate expectations, organizational functioning and challenges faced in work situations.
- Alumni interact with the respective HODs and give them information regarding current trends and practices in the industries in which they work, so that suitable improvements in the infrastructure facilities can be made in the institution.
- Feedback of alumni is sought on the relevance of the curriculum to the industry needs and the suggestions are considered while designing internships and projects.
- Alumni also interact with the final year students and guide them in preparing for campus interviews in core and IT companies.
- The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from the alumnus are invited to talk on their success stories at various occasions of <https://sites.google.com/view/ponjesly-alumni/alumni?authuser=0>the institute.
- The alumni also help the final year students of the various streams of engineering, business administration and computer streams to get their project placements and summer internship in their companies or to assist them get it through their reference.

- They also assist the students for placement in public and private sectors and the regular alumni association meetings pave the way for the successful placements of the students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### **Response:**

Ponjesly Charity Trust, established in 1991 by Shri. Pon. Robert Singh, encompasses Ponjesly Public Higher Secondary School (1996), Ponjesly Engineering College (2004), and Ponjesly College of Education (2005) in Nagercoil, Kanyakumari District. It aims to offer quality education across all levels, including Schools, Engineering Colleges, Teacher Education Colleges, Medical Colleges, Law Colleges, and Arts and Science Colleges.

Governance involves a structured council with members from management, academia, industry, and education sectors, ensuring holistic oversight. Regular meetings at various levels facilitate effective communication, decision-making, and the initiation of new ventures. The Principal collaborates with department heads to devise action plans, aligning with the National Education Policy (NEP) principles of diversity and innovative teaching methods. Stakeholder engagement is prioritized, with faculty members contributing to decision-making committees.

NEP's vision of high-quality education aligns with the institution's goals. PJCE, affiliated with Anna University, offers multidisciplinary courses, electives, and choice-based credit systems (CBCS) to enhance flexibility and student choice.

Administratively, the institution follows a hierarchical structure led by the governing body and the Internal Quality Assurance Cell (IQAC). Rules for academic and administrative operations are established, with stakeholders providing input on vision, mission, plans, and goals. Faculty and support staffs undergo training and engage in team-building activities to foster a positive work environment. Management encourages faculty involvement in institution committees, supporting their ideas for growth and improvement.

Campus committees cover various aspects like Anti-Ragging, Discipline and Welfare, Grievance Redressal, and Women Empowerment, showcasing a commitment to comprehensive governance. Staff involvement is promoted to ensure a vibrant academic community. The institution's leadership and governance aim to establish it as one of the premier engineering colleges, providing holistic opportunities for students.

The institution focuses on increasing publications in journals and patents, motivating students for NPTEL participation, forming international MOUs, achieving excellent placement records, obtaining recognition as an Anna University research center, and involving alumni in workshops and talks.

The institution is dedicated to achieving significant milestones to enhance its academic standing and

global recognition. These goals include obtaining NAAC and NBA accreditations for all departments, securing a notable NIRF ranking, and attaining Autonomous Status. Furthermore, the institution aims to foster collaborations with foreign industries while continuously striving to improve the quality of teaching and learning.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### Response:

#### Institutional bodies

The institutional policies, administrative setup, appointment and service rules of teaching and non-teaching are framed focusing on the attainment of the Vision and Mission of the institution to benefit the SOP status. Various campus committees, including Anti-Ragging, Discipline and Welfare, Grievance cum Redressal, Internal Complaint Cell, SC/ST, OBC, Minority, Intellectual Property Rights, Internal Quality Assurance, Training & Placement, Exam, Women Empowerment, Research & Development, Innovation, and Sexual Harassment, reflect the commitment to comprehensive and inclusive governance. The college actively promotes staff involvement, ensuring a vibrant and supportive academic community.

#### Perspective plan

The Institution's development is guided by a well-thought-out strategic strategy. A strategic plan is being developed to meet the Institutions academic and research development, extracurricular activities, sports, culture, and infrastructural needs. Effective strategic planning is carried out with the goal of orienting the institution's teaching and research components towards a futuristic inventive environment at national level. It is a continuous process that includes planning, implementing, assessing outcomes, and applying results and inferences produced for future strategy development, revision, and modification, among other things.

- The inputs from Stakeholders like Management, Principal, Faculty, administrative staff, parents, students, alumni, and employer are considered by the institution's Internal Quality Assurance Cell (IQAC) while preparing the perspective plan.
- IQAC subsequently employs the stakeholder's expectations in the institution's management

policies, vision, mission, and quality policies to improve the institution's welfare.

- IQAC is responsible for making suitable proposals regarding quality measures that will lead to the institution's improvement. Priority is given to quality criteria such as faculty performance appraisal, student feedback, training programs attended by faculty in other institutions and training programs developed for faculty members in our institution.

### Strategic/Perspective Plan Development (2024 - 2029)

- 1.To get NAAC Accreditation
- 2.Increasing Government funded projects
- 3.Enhancing Admissions by Strategies
- 4.Improving the quality of teaching and learning possible
- 5.Achieving 100% Placements
- 6.Achieving Academic excellence by curriculum enrichment and fostering experimental learning through ICT-Vision
- 7.Improving Institutional awards
- 8.Get Research center approval for all departments
- 9.Improving Internal support systems
- 10.Enhancing Academic Autonomy
- 11.To actively participate in community based programs like Swatch Bharat, Medical camps, NSS activities etc
- 12.To get Autonomous status
- 13.To organize at least International/ National Conference every year
- 14.Strengthening the Consultancy projects
- 15.Promoting social consciousness
- 16.To establish center of excellence in each department
- 17.Collaboration with foreign industries
- 18.To get NIRF Ranking
- 19.Upgrade infrastructure wherever possible

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.2.2

*Institution implements e-governance in its operations*

- 1.Administration
- 2.Finance and Accounts

**3.Student Admission and Support****4.Examination****Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3 Faculty Empowerment Strategies****6.3.1**

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

Performance Appraisal is a critical step in achieving the best from an employee. It is method to reward the best performing and also to identify who needs assistance to improve. Rewards motivate them for further improvement and encouraged them to climb up in the career. A holistic view of 360 degree is taken for performance evaluation. The college has performance appraisal system in place for teaching and non-teaching staff.

**I] Performance Appraisal System for Teaching staff**

The faculty appraisal system defines several areas of performance from classroom teaching to administrative responsibilities.

**A. Faculty (Teaching staff) appraisal consists of the following aspect (Numbers in the bracket indicates the maximum score allocated to evaluation criteria.**

- University Exam pass % (Max 60)
- Innovation in Class room Teachings (Max 10)
- Students feedback (Max 10)
- PhD Pursuing /Completed ( Max 5)
- Project Guiding/PhD Guidance (Max 10)

- Patents/Books published (Max 5)
- Attending FDP/Workshops/Training Programs/Online Course (Max 10)
- Faculty Organizing Events (Seminar/Training/Workshop/Gate Coaching to students- Dept Activities/Cultural)- (Max 5)
- Consultancy/Funded projects (Max 5)
- Conducting Remedial Classes (Max 10)
- Journal Publications /papers published (Max15)
- Course file Completion (Max 20)
- Syllabus Coverage (Max 10)
- Practical Classes Coverage (Max 5)
- Lab classes handled (Max 10)
- Leave & Punctuality (Max 10)

The faculty appraisal report consists of the above points along with HOD and Principal Remarks.

**B. Non-Teaching Staff Appraisal: The methodology followed for non-teaching staff is as follows**

1. Knowledge about the lab
2. Improvement in skills
3. Conduct and performance

The non-Teaching Staff appraisal report consists of the above points along with HOD and Principal Remarks.

**II] Welfare Measures**

**1. In General**

- Staff members are granted duty leaves for attending conferences, seminars, symposiums.
- Casual leave and two one hour permissions
- ODs, Vacation leave, maternity leaves are allowed for staffs.
- The institute offers the Employees Provident Fund (EPF) and ESI for eligible staff members.
- Sabbatical leave.
- Special leave for religious festivals.
- ATM facilities
- Canteen Facilities for staffs
- Medical coverage is provided to ensure employees' health needs are taken care of through Ponjesly Super Specialty Hospital with 10% discount on medicinal expenses.
- Free wifi available

**2. Awards / Incentives:**

- Department level best performing faculty are identified and awarded with Certificate and cash prizes of Rs.5000.
- Staffs publishing papers are also appreciated with reward.



**III] Career Development Progressions**

- Encouraging staffs to publish papers, journals
- Providing Sponsorship for attending FDPs, Workshops and Conferences.
- For the career development staffs are asked to learn various online courses on their specifications  
Eg. NPTEL, University conducting classes.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**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:** 59.64

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
75	94	97	115	114

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3.3

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

**Response:** 83.02

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

2022-23	2021-22	2020-21	2019-20	2018-19
146	175	192	200	211

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

2022-23	2021-22	2020-21	2019-20	2018-19
58	57	56	56	56

<b>File Description</b>	<b>Document</b>
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 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:**

Ponjesly College of Engineering is self financing educational institute and it understands the value of resources. It concerns not only on generating finance for operating the activities but also optimally utilizing it for sustainability.

#### **Mobilization**

The following are the source of finance for the college:

- **Corpus Fund Creation:** The corpus fund can be created for generating donations and other contribution. Every year, budget should allocate funds for this purpose. The institute may consider seeking income tax exemption for donors.
- **Creation of Endowments:** The alumni and other donors can be requested to contribute towards creation of endowment. The college needs to formulate separate policy for such activities. Endowment funds can be used for rewarding meritorious students through medals and /or cash prizes.
- **Main Source of Revenue** is the tuition fees and other fees. Fees are fixed by the government through pay fixation committee. The fees are to be collected as decided by the management.
- **Fund for research and development:** The teachers are encouraged to apply to various funding bodies like AICTE, UGC, etc.

#### **Optimal Utilization**

It develops the need based budget for optimizing expenses.

- Procurement: Pooled procurement is to be followed for stationaries and other common items.
- Procurement of equipments, computers and other items: The college's policy is to be followed which may be procurement through open tender or through negotiable prices.
- The annual budget showing the allocation and proposed expenditure is to be followed as far as possible.
- SOP may be prepared and shared with all concerned for optimal compliance to avoid financial irregularities.

### Audit

Periodic audit is conducted to ensure financial discipline.

- Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects.
- During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliances of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations.
- The copy of the internal audit report covering all matters related to maintenance of accounts is preserved.
- Subsequently, External Statutory Audit is conducted by the auditors and the final audit report with audit findings are submitted to the Management.
- The consolidation of the findings of the Institutions with Trust Central office has been completed and the annual returns have been submitted to Income tax Authorities, Registrar of Societies Tamil Nadu and to the other relevant authorities concerned.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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:**

A quality assurance cell has been established to ensure that students receive high-quality education and to maintain effective teaching-learning process.

**QUALITY ASSURANCE STRATEGIES**

- To create a systematic process in academics and administration
- To provide quality education to students that promotes employability, research and development
- To fulfill the stakeholders by satisfying their requirements
- To foster the skills and talents of the budding engineers through training and placement activities
- To create engineers of high quality to the society to meet the industrial needs and Standards

**PROCESS IN ACADEMICS AND ADMINISTRATION**

- An academic calendar has been established and distributed to all stakeholders at the beginning of every year.
- Meetings of the class committee have been planned and carried out. IQAC has handled the complaints and the remarks made during the meeting.
- Sports Day, along with other events and activities, follow the schedule on the calendar. Holidays are also noted.
- Students receive counseling on a regular basis, and IQAC also responds to criticisms made in reports.
- Additionally, online feedback have been scheduled on a regular basis and timely collected.
- Based on the feedback from students, faculty members have been directed properly to overcome the issues.
- The IQAC performs audits and assessments on a regular basis.
- Every year, orientation programs are held to help first-year students to adapt themselves to the systematic process of the institution.
- FDP is being conducted every year for teaching and non-teaching faculty, which helps them to enhance their skills in various ways.
- Tests for internal assessment are conducted on a regular basis in accordance with the academic calendar. Periodically, the question paper and the response scripts are audited.
- Every course concludes with a survey to find out how satisfied students are with the instruction and learning process in each subject.
- To guarantee that everything in each department runs smoothly, a monthly faculty meeting is arranged.

**PROCESS FOLLOWED AND IMPROVEMENTS**

- To help the weak students to get pass marks in all subjects, one to one coaching is being given to students. These support students to learn easily and enable them to clear subjects in semester examination.
- Students with more number of arrears are given special attention during tutorial hours. Three to four faculty members having enough knowledge on concerned subject, engage the tutorial hours for effective outcome.
- Additional teacher are also allocated for tutorial hours for analytical subjects.
- Apart from the arrear subjects, for regular subjects, based on the internal assessments marks,

- Special coaching classes have conducted beyond regular working hours.
- As the outcome of the effective tutorial hours, the results have been improved.
- In order to have good career in future, various events, activities and placement classes are being conducted. More number of eligible students got placed in reputed industries.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.5.2

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

**Response:** A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

The Ponjesly College of Engineering is concerned of gender equity in the society. Its concern is well reflected in faculty strength where more than 65% are women. The women are in many key positions of the college like Head of the Departments and Coordinators of various clubs and activities. Exclusive facilities and security provisions are created to support women students, teachers and other employees.

#### **Facilities for Women:**

- Wash room for women and girls.
- 24-hour security through surveillance: 24/7 surveillance is done with CCTV cameras installed at important points.
- Deployment of Security Guards all around the campus to create a secure environment in the campus. A visitor's record is maintained by the Security Guard to ensure that only authorized persons can enter the college campus.
- Well established hostel facilities for girls exist on the campus. Behaviors of students are monitored and the grievances of hostel students are addressed by conducting meetings with wardens at regular intervals.
- In our coeducational institution, as an effort to give female students privacy and comfort, we have separate common rooms, canteen, stairs and restrooms with all the amenities needed exclusively for girls.
- Health centre with a qualified doctor and nursing staff is available in the campus to provide medical care to the girls.
- To ensure better hygiene and well-being of female students, napkin vending machine is available near the restrooms.

#### **Empowerment of Women:**

Women Empowerment cell aims at empowering and orienting women to recognize their true potential and to help them attain their own stand in a competing world hence women's cell plays an important role in PJCE.

All the students are encouraged to participate in various National level and State level technical symposiums, talkathon without any gender discrimination.

Awareness for Staff and Students about issues like Health, Education, and Gender Equality is done via

Workshops and Seminars.

### **KaavalUthavi App:**

All the girls are instructed to download the KaavalUthavi App, a part of the Tamil Nadu State Police Master Control Room initiative, which is used to trigger and send Emergency alert to control rooms to seek immediate help by the general public in case of any distress/emergency.

### **Protection against Sexual Harassment:**

The college has formed a Prevention of Sexual Harassment Committee in accordance with UGC and Supreme Court in order to give the students a safe and healthy environment. The committee was established to protect female students from rape, sexual assault, and other similar offences.

### **Anti-Ragging Squads:**

In PJCE Anti Ragging committee members keep a vigil eye to stop the incidences of Ragging, if any, happening / reported in the places of Student aggregation including, Classrooms, Canteens, Buses, Grounds, Hostels etc.

### **Complaint and Suggestion Box:**

College has complaint and suggestion boxes in which students can drop their grievances. The grievances can be addressed by the women grievance cell or the counsellor.

Students are encouraged through free transport to participate in inter-collegiate competitions and also to attend placement drives around the district.

PJCE is completely above gender biasness.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **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

<b>File Description</b>	<b>Document</b>
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 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

<b>File Description</b>	<b>Document</b>
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.4

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

**and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

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

Ponjesly College of Engineering has no discrimination against any sorts of biasness. It has students from different geographical regions with different religious and linguistic background. The college provides an inclusive environment so that the students with diverse background can live in harmony.

The college realizes cultural diversity in the campus and cultural tolerance as a key to social harmony. The College conducts various programmes like fine arts day, Christmas, Deepavali, Onam, Pongal, and various indoor and outdoor sports events, etc. During the Pongal festival all the faculties and students come in traditional attire. The main challenge on this day, for all the departments, is to make the best Pongal. After this, all the faculties and students enjoy participating in different traditional games including rangoli etc.

The college has a good NSS team, which creates opportunities for every students to mingle together with each other irrespective of caste and religion and various society oriented programmes are conducted. The college conducts free medical camp in collaboration with sister concern, Ponjesly Super speciality hospital, for the benefit of socially, economically downward people in the society throughout the district. The college encourages the staff and students to inculcate values, rights, duties and responsibilities of citizens by giving awareness about Voters rights by taking Pledge for staff and students on Voters Awareness Day.

Independence Day and the Republic Day are celebrated by the college every year vibrantly. On those days Students are given platforms to stage and explore their thoughts and views by speeches department wise. The following are some of the important commemorative days observed: Anti-Corruption day, Drug awareness day and Anti-Tobacco day. During the Covid times, when the Government appealed to the nation to download and install Aarogya Setu Mobile App as a precautionary measure, the college immediately responded positively.

The Institution conducts a lot of awareness and welfare programmes in the villages around Nagercoil town (organized by the NSS and YRC) and serves the rural community. And also students were involved in tree plantation campaigns in and around our campus. The college strives to bring together the young minds to uplift our nation through creating a sense of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity with the constitutional obligations to create values, rights, duties and responsibilities of citizens.

The college involves in overall development of the students making them responsible citizens of the country.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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**

##### **1. Title of the Practice**

MENTORING AND COUNSELLING THE STUDENTS

##### **2. Objectives of the Practice**

- To help plan Personal and career goals of students
- To help developing presentation skills and leadership qualities
- To motivate them to participate in co-curricular and extracurricular activities by understanding their attitude and situation.
- To monitor overall progress of students during his/her graduation
- To keep track of the regularity of the student and update the parent about the progress of the mentee.

##### **3. The Context**

The motto of the Institute to implement the Mentor-Mentee scheme is to encourage the bright students to work more so as to obtain Anna University ranks in the semester examinations and also allow them to participate and win awards in state and national level competitions held and improve their skill sets. Also concentrating on the slow learners to clear their arrears and participate in other related activities.

PJCE believes that mentoring and counselling the students helps them excel in academic aspect as well as their extra-curricular activities and makes them ready to face the challenges in the competing world with confidence.

##### **4. The Practice**

- The **Student Mentoring Scheme**, understands the significance of Mentoring and Counselling to the students and a Teacher (mentor) is allocated with a group of approximately ten students (mentees). Mentors meet their respective students every week and collect feedback from the students.

- The mentor has to keep the academic record of the mentees allotted to him in terms of their absence, academic results, co-curricular participation within and outside campus etc. and inform the same to the parents through college app.
- The discipline and regularity of the mentee is also considered by the mentor and regular parent mentor meet is organized to discuss with the parents about their wards.

## 5. Evidence of the Success

The evidence of the success of the Student **Mentoring and Counselling Scheme** is reflected through the overall personality development of students.

- There is a substantial increment in the number of students participating in various events held within and outside the college, since the implementation of **Student Mentoring Scheme**. More than 250 students have won cash prizes and trophies in national level competitions conducted by nearby institutions.
- 33 students have secured Anna University ranks in end semester examinations.

## 6. Problem Encountered -Resources required

- To mould the students' mentality towards improvement in their activities without hampering academics was a difficult task.
- Few students are more biased towards sports and other extra-curricular activities which in turn affected their academic performance. To overcome this, counselling plays an important role by insisting the importance of academics to them. The necessary resources are made available by the management.

## Best Practice-2

### 1. Title of the Practice

ENHANCED INTER-DEPARTMENT COMPETENCY

### 2. Objectives

- To develop boundary-crossing skills, like interdisciplinary thinking, synthesizing knowledge of different disciplines and to address complexity.
- To ensure inter-disciplinary learning among the faculty members of various disciplines.
- To make them understand the concepts with an interdisciplinary perspective.
- To promote and enhance the knowledge sharing by the students through inter-departmental competitions.

### 3. The Context

- In 21 century, competency of engineering major requirement is knowledge sharing between different streams of engineering.
- It is difficult for an individual to keep themselves updated in every field. So, PJCE came up with the concept of sharing the knowledge with each other without restrictions of the age or the

stream.

- An informal as well as friendly environment has been created from the year 2007 to perform a “Enhanced Inter-department competency”.
- Initially, it was started among students of the same department and was extended to inter department.
- The response to this program was so excellent that students from different departments started participating in large numbers.

#### 4. The Practice

- **Finding the latest/current technology:** Students in the core group work out about the latest or popular technologies required in various fields. They also figure out the time frame, and content of training.
- **Identify talents of students:** The student committee has to find out the interest and talents of various students of the institution. They arrange all logistics, venue, and all other necessary arrangements.
- **Interaction between the students and transfer of knowledge and skills:** Core committee students interact among each other and with trainee students. They also encourage students from all diversified domains to share their knowledge with others. Their encouragement is in a way that sometimes senior students also find interest in attending the seminar given by a junior speaker.
- **Smooth conduct:** For the sake of smooth conduct of the activity various faculty members as well as HOD keep observation and monitor them.
- **Feedback:** The feedback given by student’s trainees proves to be encouraging the next succeeding activity.

#### 5. Evidence of Success

- As an outcome of conducting more inter-departmental competitions, there is an increase in the number of the students who win prizes in other college competition in national level technical symposiums. The confidence level of the students has been improved to face the audience and overcome stage fear. More than 250 students have won cash prizes and trophies in competitions organized by national level technical symposiums conducted by colleges around the institution.
- **Awareness of current market situation with respect to new technologies:** After this activity interdisciplinary students became aware of current technologies in each other’s field.
- **Development of skills and improved knowledge:** The knowledge provided in these activities was useful for them for their Professional life ahead.

#### 6. Problems Encountered - Resources Required

- Allocation of time for performing these inter-departmental competitions becomes difficult sometimes because of regular classes and practical. The necessary resources are made available by the management.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 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:**

#### **HOLISTIC DEVELOPMENT OF STUDENTS WITH REGULAR STAFF REVIEW, ONE-TO-ONE COACHING, TUTORIAL TEST, SPORTS, AND EXTRA-CURRICULAR ACTIVITIES**

The objective of Ponjesly College of Engineering is to provide outstanding technical education that combines vigorous academic study to experience learning success and become lifelong learners to practice sustainable development. The institution has a vision to become a centre of excellence in the field of engineering through futuristic technical education with high moralistic values and empower students for achieving their full potential to withstand the global competition. Students of the institution are stimulated to achieve excellence in their respective fields, through academic and research excellence, enabling them to sharpen their skills in multi-disciplinary areas, entrepreneurship, ethical and human values and earn while learning at the college.

The following initiatives are taken to achieve the institution's core objectives to mold the students for better career and making them as responsible citizens:

- **Staff review**

Staff review is conducted on all Saturdays from morning to evening, which enables the faculty members to deliver the lecture classes effectively and cover the portions within the stipulated time period. All the subjects are well prepared and presented by individual staff members unit wise at the time of staff review, which helps the faculty members to handle the classes fluently without any hurdles. The senior faculty members provide guidance to the juniors and help them to deliver the lectures effectively. Staff Reviews are conducted in Conference Hall for all the Teaching Faculty in the presence of the Principal and Vice-Principal. Log books and Mentor files are being reviewed and the action is taken accordingly.

- **Tutorial Test**

Tutorial tests are also conducted subject wise on all the days as a measure to make the students study their daily portions. Test notes are evaluated on the same day and additional coaching is provided to needy students. Students are given intensive coaching and training to write the tutorial tests in their own way and insist them to draw the diagrams legibly. One to one coaching was given to the students. Students feel free and clear their doubts with the help of faculty members. The students are given the

opportunity to share their views with the faculty members to enhance student teacher relationship.

- **Coaching class for slow learners**

Additional coaching in the form one to one is provided for slow learners helping them to learn better. The teacher explains the concept in a friendly manner, so that the students can feel free and clear their doubts, which helps them to improve their performance in the university examinations.

- **Sports**

PJCE has separate fully equipped grounds for athletics, tennis, basketball, indoor badminton court, volleyball courts, swimming pool and a big indoor badminton court of international standards. As an outcome of this, many of our students have performed well in state and national level sport events and won many prizes.

- **Promoting extra-curricular activities**

Through extracurricular activities, the students develop their full potential. Many students have won national and state level championships which added feather in the cap of PJCE. The numbers of prizes the students get from various colleges proves that they are multitalented. Students are encouraged through free transport and teacher mentorship to participate in inter-collegiate competitions and also to attend placement drives around the district. Parents feel very happy that their ward is always given individual care.

- **Anna University Rank Holders**

With the continuous effort and guidance of the teaching faculty and as the outcome of holistic development of student community, the college students has continuously secured Anna University ranks in end semester exams which adds laurel to the institution. The faculties who secure centum results in most of the subjects every semester are recognized by the institution.

- **Achievements**

Ponjesly College of Engineering is being the consistent title winner of the state level Talkathon competition “YOUTH TALK” organized by ICTACT academy in association with the Government of Tamilnadu for the years 2019, 2022 and 2023. One of the students of PJCE has won the first prize in a coding competition organized by TCS with a cash reward and a job offer in TCS.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

---

### Additional Information :

- The lush green campus, adorned with trees, offers a tranquil and stress-free atmosphere conducive to learning. The **Green Audit, Energy Audit and Environmental Audit** were conducted and Certificates were issued to the institution.
- The **ISO 50001:2018** (Environmental Management), **ISO 14001:2015** (Environment Management) and **ISO 9001:2015** (Quality Management) certificates are the material evidence of credibility of institution.
- A significant number of students consistently achieve high ranks in various disciplines during Anna University examinations. This academic performance reflects the institution's commitment to provide quality education and fostering a culture of excellence.
- The presence of active **Cultural and Sports Club** showcases a commitment to holistic development. These clubs not only create awareness but also provide platforms for students to exhibit their talents at various levels, from university to international competitions.
- The **Entrepreneurship Development Cell** plays a pivotal role in identifying and nurturing entrepreneurial spirit among students. By focusing on immediate startup ventures post-course completion, the institution prepares students for real-world challenges and encourages innovation.
- The institution's emphasis on inspiration translates into notable achievements by students, such as entries into prestigious records like the **India Book of Records and Asia Book of Records**. These accomplishments reflect the institution's encouragement of excellence beyond academic boundaries.
- The presence of approved Anna University research centres provides a valuable avenue for Ph.D. aspirants. This reflects the institution's commitment for advancing knowledge and contributing to research in various fields.

### Concluding Remarks :

The assessment of Ponjesly College of Engineering against the National Assessment and Accreditation Council (NAAC) criteria has provided valuable insights into the institution's academic and operational landscape. The institution has exhibited commendable strengths in various aspects, underscoring a commitment for providing quality education and fostering an environment of excellence. The strengths identified across different criteria, including curricular aspects, teaching-learning methodologies, research, infrastructure, student support, governance, and institutional values, are the testaments to the institution's dedication to academic rigor and holistic development. The well-defined curriculum, effective teaching practices, and robust support systems for students contribute significantly to the institution's positive learning environment. While acknowledging these strengths, it is crucial to recognize that there are areas where improvements can be made. The identification of these areas is not a reflection of inadequacy but an opportunity for growth and refinement. The institution remains proactive in addressing these concerns, and the action plans laid out are indicative of a commitment to continuous improvement. Ponjesly College of Engineering reaffirms its commitment to foster a culture of continuous improvement, innovation, and excellence in higher education. Through collaborative efforts and a steadfast dedication to its mission, the institution aims to not only meet but also exceed the expectations set by the NAAC criteria, contributing meaningfully to the educational landscape and societal development.