



# **SELF STUDY REPORT**

**FOR**

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

**ST. ANNE'S COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

**ANGUCHETTYPALAYAM, SIRUVATHUR POST PANRUTI TALUK  
CUDDALORE DISTRICT**

**607110**

**[www.stannescet.ac.in](http://www.stannescet.ac.in)**

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**March 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Our Foundress, **Rev. Mother Annammal** was born in **1836** at Varaganeri, Palakarai, Tiruchirappalli, Tamil Nadu, India. Owing to cholera, many young girls, including our Foundress, were widowed and treated worse than slaves by their families. The society did not permit them to remarry. Our foundress heard the Divine call to bring succour to widows. She courageously went about begging for the sick and the needy, educating the little ones and praying with the Sakkiliar community. Inspired by her service, many young widows joined her to establish the congregation of the sisters of St. Anne of Tiruchirappalli. The congregation is continuing their social and educational ministries under the patronage of our blessed Annammal.

St. Anne's College of Engineering and Technology (SANCET) is a self-financing college established in the year 2009 under the congregation of the sisters of St. Anne of Tiruchirappalli, as part of the Annai Velankanni Educational and Social Society, located at Anguchettypalayam, Siruvathur post, Panruti taluk, Cuddalore district, Tamil Nadu-607 106 with 10.09 acres of spacious, clean and serene campus. SANCET is affiliated to Anna University, Chennai and approved by All India Council for Technical Education (AICTE), NewDelhi. It offers four UG courses such as Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE) and Mechanical Engineering (MECH) with the objective of serving rural and economically challenged students to provide professional education.

SANCET has enhanced its systems, and procedures by voluntarily opting peer-lead, self-assessment and self-evaluation processes and strives to provide the best possible services to its stakeholders. On realizing the responsibilities in providing quality education to meet the national and international demands, considering technological advancement, values and culture postulated by the traditional knowledge systems and adopting the core values proposed by the National Assessment and Accreditation Council (NAAC), SANCET has prioritized its focus on quality education based on the framed the vision and the mission.

### **Vision**

### **TO BUILD A HOLISTIC SOCIETY**

### **Mission**

St. Anne's College of Engineering and Technology is committed:

- To provide quality engineering education for the rural students and to produce world-class engineers.
- To stimulate the students' skill for improving their interpersonal skills and technical knowledge according to the trends and needs of the industries.
- To educate human values through which character is formed, strength of mind is increased, intellect is expanded and in turn one can stand on one's own feet.
- To provide good infrastructure, and professional enrichment of staff in order to enhance the teaching-learning process to equip the students who come from the illiterate, marginalized and downtrodden families.

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

### Institutional Strength

SANCET is a model college that helps the industry and society by achieving academic excellence through quality education to the students.

- Good infrastructure with ICT class rooms and well-equipped laboratories
- Qualified, experienced faculty members and committed workforce
- Student-friendly environment safe and secure learning communities, students' associations and clubs
- Following Choice-Based Credit System (CBCS) as per the Anna University curriculum
- Providing Outcome-Based Learning with defined objectives
- Arranging summer/winter internship, in-plant training and industrial visit based on syllabus
- Excellent digital library
- Scope for peer learning and knowledge sharing
- Committees, cells and clubs to enhance participative administration
- Incubation facilities and innovation centres
- Financial assistance to economically challenged students
- High-speed fibre optical internet connectivity with Wi-Fi
- Providing 100% placement opportunity
- Training and motivating the learners to become entrepreneurs
- Conducting motivational, technical, skill based and value added courses
- NPTEL remote learning centre for university approved online courses
- Transparent and decentralized governance with defined roles and responsibilities
- Implementation of good practices such as establishment of green campus, Butterfly Park, Avian Garden, Herbal garden, Canopy garden and ban on single use plastics and implementation of digital initiatives
- Obtaining financial assistance for students' projects
- Encourage Sports, fine arts and research & development activities

### Institutional Weakness

SANCET has the following weaknesses:

- A few numbers of industrial consultancy
- Less registration of professional bodies
- shortfall of getting larger research projects
- Lack of out of state students' admission
- Location of the college far away from the industry area
- Lack of industry exposure due to socio economic condition
- Poor communication skills
- Students' enrolment with low cut-off

### Institutional Opportunity

The tangible opportunities include:

- Offering pre-placement internship and continuous training
- Supplementing online learning through SWAYAM and NPTEL
- Providing system with net facilities for online courses
- Offering Value Added Courses in the emerging areas
- Promoting Intellectual Property Rights culture among students and staff
- Giving teaching-learning opportunities to all stakeholders such as students, staff
- Availing facilities in research activities
- Signing MoU with industries and institutions
- Encouraging industrial and in-house projects
- Incorporating the language laboratory to improve the language skills
- Allowing the students to participate in all curricular, co-curricular and extra-curricular activities
- Utilizing the library in extended working hours
- Implementing Naan Mudhalvan Scheme in addition to the curriculum
- Elevating the standard of the college through accreditation (NACC, NBA, Permanent Affiliation)

### **Institutional Challenge**

- Increasing students' admission
- Educating the slow learners to Anna University standards
- Managing the overhead cost and maintain the available resources
- Inadequate financial support from the Central and State Government for self-financed institutions
- Tangible gaps between existing curriculum and industry expectations
- High affiliation fee
- Inability to pay high tuition fee for doing Ph.D.
- Preference towards the appealing courses other than engineering

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

SANCET is strictly follows the curricula and syllabi prescribed for all UG Program. The UG programs cover elaborative Program Educational objectives (PEOs), Programs Specific Outcome (PSO) and Program Outcomes (PO) and their mapping as specified by the University. Students are offered the Choice-Based Credit System (CBCS) syllabus as per 2017 Regulation (2017-R). Academic calendar is prepared tentatively and it is updated semester wise, based on the academic schedule and internal assessment schedule provided by Anna University. The timelines are given by the university are strictly adhered for effective planning and implementation. Attendance and internal assessment marks are uploaded in the web portal of Controller of Examination (CoE) web portal as per the university schedule. The CoE directs the conduct of three CIA for 2017-R and two CIA for 2021-R at regular intervals, which will be considered as internal marks for awarding grades. The institution is committed to inculcate human, environmental values, and professional ethics to the students to transform them into socially responsible, academically, excellent, technical skilled, physically industrious, psychologically disciplined, spiritually enlightened and socially liable to serve the nation at large. In addition to the curriculum, each department is conducting minimum one value added course for every academic year to enhance their carrier development. Furthermore, to improve teaching learning process and overall development of the institution, feedback is collected semester wise from students, staff and year wise from employer and alumni. Feedback analyzed by the HoDs' and corrective measures are taken in the upcoming

semester

### **Teaching-learning and Evaluation**

The approved intake of SANCET is 60 for each programme. It gives an opportunity to the students who are culturally, socially and economically challenged to fulfil their technical education dreams. One third of the admitted students are belonging to the SC category. SANCET is recruiting only full time faculty with high profile for maintaining student-faculty ratio as per the norms of the AU and AICTE. Twenty percent of faculty members are completed their research programme. In parallel with regular curriculum delivery to augment the teaching learning process, students' centric methods such as workshops, symposiums, conferences, miniprojects, peer group teaching and industrial training are conducted using ICTs to fulfil the course outcomes. Internal assessment is conducted as per AU schedule that is displayed on the notice board also sent through students' whatsapp group. CIA marks are uploaded in the web portal after checked by the students with the help of answer key. Grievances are recorded and rectified within a day, if any. External assessments and grievances are carried over as per AU procedure. The average pass percentage is satisfactory and the overall out turn of the students' getting degrees are also very good. POs and COs are evaluated and are disclosed to the stakeholders through various means to show PEOs and PSOs attainment level of the students.

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

SANCET encourages and motivates the faculties and students to focus on research to promotes a research culture. The institution has received grant from Tamil Nadu State Council for Science and Technology (TNSCST) for student's funded projects. The institution encourages the faculty for submitting research proposals to funding agencies. Research findings are presented by the faculty and students in various conferences and published in indexed journals. Students are motivated to participate in idea hackathon, internal smart India hackathon, miniprojects expo, project contest and insisted to publish the research work in various reputed journals. Awareness on research methodology and Intellectual Property Rights (IPR) is given to the students and staff. Innovative ideas are converted into prototype model in the incubation centres at SANCET. Seminars are organized to bring awareness on recent technology among the staff and students. Faculty have organized, participated and presented their research work in National and International Conferences. Innumerable research papers and a few books are published by the faculty members. SANCET has signed MoUs with various industries and institutions for research support and conducting trainings. Innovative ecosystem paved way to fill patent. Institute has an Entrepreneur Development Cell (EDC) and Institution Innovation Council (IIC) promotes entrepreneurship and innovative skills among students. It creates path to build businesses through interaction with successful entrepreneurs. Students are sensitized towards health, hygiene and environmental issues through National Service Scheme (NSS) by organizing various programmes like awareness camps, road safety, healthy living, fire safety, rallies, tree plantations, blood donation etc.

### **Infrastructure and Learning Resources**

SANCET has lush green, calm and beautiful campus with 10.08 acres of land with built up area of 13,707.38 m<sup>2</sup> covered with green shady trees. The college has airy, ventilated and well-furnished smart class rooms, library, tutorial halls, drawing halls, workshops, well equipped laboratories for all the departments, incubation centres, conference hall, research and development cell. Administrative area includes secretary office cum

board room, principal chamber, administrative office, Internal Quality Assurance Cell (IQAC), admission cell, reception and guest room. Amenity area consists auditorium, gym, yoga hall, canteen, staff residencies, security room, etc. Six percent of amount has been spent for augmenting infrastructure. Annai Annamal library is fully automated with ILMS, Nirmal software integrated with barcode technology and OPAC (Online Public Access Catalogue) for transactions of books and journals. The available e-resources are viz. DELNET for accessing e-journals and local chapter of NPTEL for accessing online courses. The smart class room and 376 computers are provided to enhance teaching learning process of each department with IT facilities. Wi-Fi facility provides sufficient bandwidth of 580 Mbps speed. Electrical amenities are maintained periodically and in emergency with the help of skilled manpower of the campus. Institute conducts various sports competitions, such as intra and inter collegiate sports and zonal level sports. The playground facility is also shared for the benefit of nearby government schools' students. The college caters to the needs of all major outdoor/indoor games, yoga and cultural events with adequate facilities. The college website ([www.stannescet.ac.in](http://www.stannescet.ac.in)) is updated frequently.

### **Student Support and Progression**

SANCET makes an extreme effort to provide the necessary support for the students to attain positive experiences for learning in the campus and to facilitate their holistic development and progression. The institute supports students for getting scholarships such as Prime Minister's Scholarship Scheme (PMSS), First Graduate (FG), Backward Class (BC)/Most Backward Class (MBC), Scheduled Class/ Scheduled Tribe (SC/ST), pragathi, pudhumai penn thitam, 7.5% reservation for government school students and minority (Merit cum means) scholarships offered by the central and state governments. Also, the management provides financial (Scholarship and Freeship) assistance to the students' who are economically and socially challenged, meritorious, sports students etc. Beyond curriculum, various programs such as soft skills, communication and language skills, life skills, and computing skills are organized. Career counseling and guidance for competitive examinations such as GATE, TANCET, State government exams etc. are offered by SANCET for enriching capability and enhancing skills through the concern department, Training and placement cell, which strives hard to progress towards employability in government and non-governmental organization and to higher studies. Well-defined grievance redressal, anti-ragging and anti-drug cell and internal compliant committee are working towards zero tolerance. If any complaint is recorded, it is rectified based on the policies. Students engaged in various extracurricular activities to showcase their talents and bagged several awards. The SANCET Alumni Association (SANCETAA) conducts alumni meet every year to elicit support and share their experience. The alumni support the students by delivering guest lectures, career counseling and guidance to progression for jobs and to get exposed to current needs of industries in various fields of engineering and technology.

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

SANCET has transparent and effective governance adopting its vision and mission. The administrative and academic activities are discussed and planned in the governing body every year and governing council twice a year. Institute has transparent, participative and decentralized governance with various functional committees. Various institutional bodies are working effectively and efficiently in accordance with their policies and following strategic/perspective plans. Implementing e-governance in administration, finance and account, student admission and support and examination with the help of CEEMS Enterprise Resource Planning (ERP) and ACME. Staff welfare schemes such as employer provident fund (EPF), incentives, maternity/medical leave etc. are provided. The performance of faculty is evaluated by Academic Performance Indicator (API) through transparent faculty appraisal system. A fair number of teachers have got financial support to upgrade their knowledge by attending various conferences and Faculty Development Programmes (FDPs). 20% of staff

members got opportunities to attend FDP and professional development programmes. Funds are mobilized through external resources and utilization of amount is periodically maintained by financial audits internally and externally. Quality assurance of SANCET is significantly contributed by well-established Internal Quality Assurance cell (IQAC) with the help of its standard process and procedure. It enhances its teaching learning process by conducting regular audits, collecting, analyzing the feedbacks and utilizing the report for continuous improvements, collaborating with national networks, and taking initiatives in partaking Anna University, International Organization for Standardization (ISO), All India Council for Technical Education (AICTE) and National Assessment and Accreditation Council (NAAC).

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

SANCET has a strong precedence to safe and secure environment for all the staff and students irrespective of the gender by rendering all sorts of requirements. SANCET have initiated to promote gender equity by organizing various national and international commemorative days and events. The institution has adopted an eco-friendly approach to maintain the lush green campus with continuous attention towards tree plantation, implementing water harvesting methods, commissioning renewable energy resources for street light, pertaining waste management system etc. For the differently abled students, facilities like ramps are provided. Various quality audits are initiated and analyzed for the continuous upliftment of the campus to keep the environment clean, green and comfortable workplace. SANCET has a notable contribution in creating a responsible citizen always by conducting most of regional celebration such as Swatch Bharat activities, blood donation camps and vaccination camps through National Service Scheme (NSS). In addition, the students are introduced to the managerial skills, ethical behavior and being sustainable towards the environment via the curricular subjects like Environmental science. SANCET has the best practices to enumerate the success of the students in holistic development. Students have encouraged to do the industrial and in-house projects and convert those projects into a publication. To promote awareness on ecological balance, various activities are initiated to conserve natural resources. The distinctiveness of the institution, the day-to-day life of our institution commences with prayer by reciting holy books of all the religion.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Anguchettypalayam, Siruvathur post Panruti taluk Cuddalore district
City	Panruti
State	Tamil Nadu
Pin	607110
Website	<a href="http://www.stannescet.ac.in">www.stannescet.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	R Arokiadass	04142-242661	9489820303	04142-241661	arokiadass@stannescet.ac.in
IQAC / CIQA coordinator	S. Anita	04142-	8668083982	4142-241661	sranita@stannescet.ac.in

Status of the Institution	
Institution Status	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 copy.pdf</a>
If Yes, Specify minority status	
Religious	Christian
Linguistic	Tamil
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				
12B of UGC				
<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>	30-06-2009	12	

<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	Anguchettypalayam, Siruvathur post Panruti taluk Cuddalore district	Rural	10.09	13707.38

## 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,Computer Science And Engineering	12	HSC or Equivalent	English	60	60
UG	BE,Electrical And Electronics Engineering	12	HSC or Equivalent	English	60	25
UG	BE,Electronics And Communication Engineering	12	HSC or Equivalent	English	60	58
UG	BE,Mechanical Engineering	12	HSC or Equivalent	English	60	25

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

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	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	4				2				42			
Recruited	3	1	0	4	2	0	0	2	24	18	0	42
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				27
Recruited	13	14	0	27
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				13
Recruited	11	2	0	13
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.	3	1	0	2	0	0	1	3	0	10
M.Phil.	0	0	0	0	0	0	4	1	0	5
PG	0	0	0	0	0	0	19	14	0	33
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

<b>Part Time 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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	120	0	0	0	120
	Female	48	0	0	0	48
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	4	4	4	9
	Female	5	4	0	8
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	28	5	11	10
	Female	12	7	0	10
	Others	0	0	0	0
General	Male	46	41	32	22
	Female	19	14	21	13
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		114	75	68	72

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	SANCET has transformed its vision by implementing innovative and flexible curricula, projects and value based courses for attaining holistic education. Hands-on trainings and value added courses are conducted in
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	<p>both multidisciplinary and interdisciplinary fields for the past 5 years including such as IoT using Arduino, Antenna design using HFSS, Fusion 360, AutoCAD, CNC Programming, Basics to Advanced: Machine learning, PCB design, Hands on Training on ANSYS, Frontend Web Development, Applications of Mat lab in Electrical Engineering, MS Packages and Python programming. Credit based courses are offered for community engagement and service, environmental education and human values to the students with 2 credits. Interdisciplinary projects are undertaken in the field of life science, environmental science, waste management, etc. to address societal problems. Naan Mudhalvan scheme introduced by Tamil Nadu state government to inculcate skill development courses to all the students in the domains of Cyber Security, Industry 4.0, Full Stack, Cloud essential, Machine learning for object recognition, Machine learning, and IoT, Digital marketing, Network engineering, Network Essential, Professional readiness for industries, Electrical Vehicle design, charging, Robotics, and so on. All the courses in the Naan Mudhalvan Scheme are two credit courses.</p>
2. Academic bank of credits (ABC):	<p>The 28th academic council of Anna University has introduced B.E. (Hons.) with specialization, B.E. Minor, and B.E. (Hons.) programmes, as well as one year authorized break for students. SANCET has adopted the AU schemes as it is affiliated to Anna University. In the academic year 2017-18, the university implemented the Academic Bank of Credits (ABC) in the name of National Academic Depository (NAD). SANCET also takes part in NAD to register each student's credits every semester. SANCET implements CEEMS ERP to maintain all credits of students in the website for multiple entry and exit. Faculty members are encouraged to plan for their own pedagogical approaches such as reading materials, assignments and internal component.</p>
3. Skill development:	<p>Soft and technical skills are taught to students in order to improve their competence and help them to fulfil the requirements of industry. Through the Naan Mudhalvan portal and language lab, soft skill courses such as communicative English, foreign languages and Aptitude are offered to students to improve their confidence. The credit based value added courses, hands on training, entrepreneurial courses, in-plant training, and internships are offered to promote</p>

	<p>vocational education. Value based education are provided to inculcate holistic development, humanity, ethical and human values through moral talk, orientation programs, credit courses, Social activities, Counselling. Institute Industry interaction helps to encourage vocational skills. It also encourages the learners to participate in Naan mudhalvan through Open and Distance Learning in collaboration with NSDC in certification. Faculty members are encouraged to attend FDPs, Workshops, skill based training in turn they train the students to become technically sound.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Personality and Character Development courses are available for students from I to VII Semesters at Anna University (2021 regulation), such as Literary club, and Fine arts club to train the students in their culture. To promote Indian language and culture, a course on Scientific Thoughts in Tamil, Heritage of Tamils, has been made mandatory for first-year students. SANCET celebrates traditional events such as silambam, bamboo dance, karagam, classical dance-bharatham, cultural debates.</p>
5. Focus on Outcome based education (OBE):	<p>SANCET implements outcome-based education in accordance with Anna University 2017 and 2021 regulations, which ensures students' centric learning process. Humanities, Social Sciences, and Management Courses (HSMC), Basic Sciences Courses (BSC), Engineering Sciences Courses (ESC), Professional Core Courses (PCC), Professional Elective Courses (PEC), Open Elective Courses (OEC), Employability Enhancement Courses (EEC), and Audit Courses (AC) elicit outcome based learning. AU curriculum contains programme outcome and course outcome. As programme outcomes are aligned with course outcome every student gains new skill and knowledge.</p>
6. Distance education/online education:	<p>As an affiliated institution, SANCET is not permitted to provide distance or online education. However, encourage students and faculty to enroll in SWAYAM, NPTEL, and courses offered by foreign universities. The students are permitted to do two online courses which carries 3 credits each in their curriculum itself. Apart from their curriculum they are free to do any number of courses. Through the Naan Mudhalvan portal, which awards 2 credits for each semester, students complete their required</p>



courses. Advanced technological tools such as smart board, LCD projectors, live demo with technical tools and prototype models are used for effective teaching and learning. Blended learnings are encouraged through Webinars, Seminars, International conferences and dual mode courses through Naan mudhalvan scheme.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	SANCET has set up the Electoral Literacy Club (ELC).
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?	The ELC Coordinator is Mr. J. Ramesh, AP/EEE and the students' coordinator and faculty coordinators of each department were nominated to make the club functional. The Students' Coordinators are: D. Chandru - ECE A. Jasmin medona- CSE S. Aravindhana - Mechanical R. Monika - EEE I. Jenifer Dency - EEE S. Bharani - EEE
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.	The importance of voting and the 100% voting awareness has been created among the students during college assembly. Conducted awareness rally on "100% voting" in collaboration with Municipality office on 3rd April, 2019 at Panruti. Around 50 students from all department took part in the rally. Rally commenced from the Municipal Office and travelled all the way through to the Panruti bus stand.
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.	Our students hold the slogans regarding the voting awareness on their hands to create awareness about the voting rights among the civilians. The objective of the rally was met in a successful way. A short video and drawing competition on the title "My Vote, my right" for students' in district level conducted by the district electoral office and 3 group of our students actively participated in the events and got the appreciation from the district electoral office
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	Created an awareness in the common assembly and made them to enroll. Insisted the students above 18 years who are yet to be enrolled as voters in the electoral roll .

students as voters.

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
429	361	444	547	625

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: 83

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

2021-22	2020-21	2019-20	2018-19	2017-18
48	48	48	48	64

### 3 Institution

#### 3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
133.44	91.00	105.97	169.82	200.29

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:

St. Anne's College of Engineering and Technology (SANCET) is affiliated to Anna University, Chennai. It strictly follows the University's regulations. The College offers four undergraduate programmes such as Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering. All the programmes with a choice-based credit system. During 2022-2023, the third and final year students are following the 2017 Regulations, whereas the first and second year students are following the 2021 Regulations.

The Curriculum Plan is prepared by the Planning and Monitoring Committee prior to the commencement of classes in accordance with the Anna University schedule. Curriculum plan includes the start of classes, the last working day, the internal assessment schedule and the commencement of the end-semester practical and theory examinations. The SANCET academic calendar contains all these information, which is uploaded on the college website in order to view the Curriculum Plan by everyone. Co-curricular activities such as seminars, workshops, value-added courses, guest lectures, webinars, conferences and idea contests are also effectively planned and highlighted in the academic calendar. The extracurricular activity plan is provided to encourage students to actively participate in various events such as sports, cultural activities, NSS activities and soft skills training.

In order to implement the curriculum plan effectively, a lesson plan is prepared for each course prior to the commencement of the classes. The lesson plan consists of teaching aids, course outcomes, Bloom's taxonomy and a course outcome--programme outcome (CO-PO) articulation matrix. Students' attendance, Continuous Internal Assessment (CIA) performance and assignment

marks for all courses are marked in the Attendance and Assessment Record (AAR). Staff members are assigned to various courses based on their subject preferences. Hours are allotted to each course based on the assigned credits from Anna University. The timetable for each class is prepared by the department heads in association with the timetable committee and it is displayed on the department notice board and circulated to the students in whatsapp group.

According to the timetable, theory and practical classes are taught using various teaching aids such as blackboard, smart board, preparing power point, live demos, models and videos. Theory and practical classes, as well as CIA were conducted through online mode during COVID-19 pandemic using the google meet platform. In view of the timetable and guidelines provided by Anna University, the end-semester examinations for the academic years November/December 2020, April/May 2021 and November/December 2021 were conducted through online under the supervision of the proctors. The CEEMS Enterprise Resource Planning (ERP) system is used to post the course materials. The principal and the HoDs monitor the academic curriculum delivery, student performance and attendance regularly.

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:** 26

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:** 54.16

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

2021-22	2020-21	2019-20	2018-19	2017-18
264	233	243	264	299

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:

SANCET adheres to the Anna University's curriculum and offers courses such as Professional Ethics, Gender, Human Values, Environment and Sustainability under the categories of Humanities and Social Sciences (HS), Open Electives (OEs), and personality and character development in order

to integrate cross-cutting issues relevant to promote students' wellness for the holistic society. The B.E. Programme Outcomes (POs) of Regulations 2017 and 2021, such as The Engineer and Society, Environment and Sustainability, Ethics, Individual and Group Work, Communication, Project Management and Finance are mapped with the course outcome which depicts the world's most serious issues such as air pollution, gender equity (women equality) and environmental degradation. The total credit assignments of these courses are 42 and the credit to all the individual courses offered to students is given below.

Cross -Cutting Issues	Regulations	Course Code/Name	
Professional Ethics	R2013	GE6075 - Professional Ethics in Engineering	
	R2017	GE8076 - Professional Ethics in Engineering	
Gender	R2017	GE8071 - Disaster Management	
Human Values	R2013	MG6851 - Principles of Management	
	R2017	MG8591 - Principles of Management	
	R2021	IP3151 - Induction Programme	
Environment and Sustainability	R2013	GE6351 - Environmental Science and Engineering	
	R2013	GE6757 - Total Quality Management	
	R2013	ME6701 - Power Plant Engineering	
	R2017	GE8291 - Environmental Science and Engineering	
	R2017	GE8077 - Total Quality Management	
	R2017	ME8792 - Power Plant Engineering	
	R2017	EE8703 - Renewable Energy Systems	
	R2021	GE3451 - Environmental Science and Engineering	

**Total credits**

The Induction Programme offers courses on universal human values to students at the start of the B.E. degree programme to instill awareness, sensitivity and understanding of the self, people around them, society at large and nature. Courses on Professional Ethics are intended to enhance students' awareness on professional values and morals. This ensures that students are aware of the problems and possible solutions through self-exploration.

Gender-related courses cover fundamental human rights and responsibilities of each gender. Environmental science and air pollution courses are used to teach students about the environment by developing awareness on the natural resources, ethical use of resources, public safety, social and cultural environment. Environmental education facilitates critical and creative thinking skills to conserve environment, thereby motivating students to become more involved in their living environment. The National Service Scheme (NSS) provides a variety of activities, including tree planting, rainwater harvesting, plastic-free campus, blood donation camps, etc. These co-curricular activities raise students' awareness on the importance of keeping our environment clean and green. It also provides diverse opportunities for students to develop their personalities through community service.

<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>

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

**Response:** 38

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

**Response:** 163

<b>File Description</b>	<b>Document</b>
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	
<b>File Description</b>	<b>Document</b>
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>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 46.83

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

2021-22	2020-21	2019-20	2018-19	2017-18
170	83	72	88	149

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

2021-22	2020-21	2019-20	2018-19	2017-18
240	240	240	240	240

#### 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](#)

#### 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:** 21.86

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

2021-22	2020-21	2019-20	2018-19	2017-18
49	20	15	37	13

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

2021-22	2020-21	2019-20	2018-19	2017-18
149	149	149	83	83

<b>File Description</b>	<b>Document</b>
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>

**2.2 Student Teacher Ratio****2.2.1 Student – Full time Teacher Ratio  
(Data for the latest completed academic year)****Response:** 8.94**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:**

SANCET provides student-centred learning methods with the help of academic associations such as Mechanical Engineering Students' Association (MESA), Power Engineering Technical Associations (PETS), Electronics and Communications Scientia Association (ECSA), Computer Science techxium Association (CoSTA) and Science and Humanities Engineering Students' Association (SHESA). The associations are established to help the students in involving various learning modules, the delivery of additional lectures through peer-learning and the development of students' confidence levels. Students are actively involved in the academic activities that improve experiential learning, participatory learning and problem-solving abilities.

**Experiential learning is arrayed in various ways**

1. Theory concepts are taught parallelly with practical experiments and simulation-based experiments.
2. Computer-based learning in workshops, including CAD/CAM, CNC equipment, animation and simulation-based instruction (hydraulics and pneumatics).
3. Activities of department associations, professional bodies and functional committees provide additional knowledge of emerging technology in collaboration with related industries (Guest lectures, Workshops, Seminars, Webinars, Quiz, Paper presentation, technical connection, Naan mudhalvan courses and Value-added courses).
4. Internships are provided for the period of 1 week-1 month to carry out the projects in industry.
5. Industrial visits and in-plant training are offered to learn practical exposure.

**Participatory learning is employed through:**

1. Students work in collaboration with faculty members on government-funded projects that allow them to learn advanced concepts and handle real-time problems effectively.
2. Students are encouraged to participate in training programmes, to gain experience in a specific domain.
3. Senior students lead junior students through mini projects, technical seminars and demonstrations.

**The societal and national problems are solved during their learning period.**

1. Courses in the curriculum help students to analyse complex problems and find solutions.
2. Some tutorial and practical classes are provided for the analytical and logical courses.
3. Idea contest, internal smart India hackathons, mini-project contests and online circuit design contests are organized to promote students' skills to solve complex problems.
4. Innovative projects are created for competitions and also useful to staff and students of SANCET.
5. Pre-placement internships help students to solve real-time issues.

**ICT-enabled tools**

The following ICT facilities help to improve teaching and learning methods at SANCET.

1. High speed optical fibre cables connect every part of the campus to the internet and Wi-Fi.
2. All departments have computers with internet access.
3. All classrooms have LCD projectors, and each department has an interactive smartboard.
4. Students use licensed and open-source software for design, analysis, animation and simulation.
5. Video conferencing and google meet are made available for experts, industrialists and alumni to discuss emerging topics with the students.
6. Google classrooms are used for individual courses to deliver lectures, conduct assessments, publish marks, track attendance and post E-materials.
7. Software and hardware are kept updated to meet the requirements of the syllabus.
8. Faculty members and students are trained to use the available ICT resources. E-content, question bank and e-manual are made available for learning. The ICT tools are classified as follows:

S. No.	Purpose of ICT	Name of the ICT for Teaching--Learning Proce
1	Simulation Tools	MATLAB, LabView, ANSYS, CATIA, SolidWork programming, MiPower, Xilinx
2	Hardware Kits	For hands-on experience and demonstration

3	Statistical Tools	R programming, Open CV, Minitab
4	Online Library	National Digital Library, DELNET for learning bey contents, Open Educational Resources
5	Interactive/Collaborative Tools	Smartboard and other tools for descriptive course drawing/design-based courses
6	Course Server	Easy access to NPTEL Courses
7	Free and Open-Source software	NS2 Network Simulator, Sci-Lab, Python

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

## 2.4 Teacher Profile and Quality

<b>2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years</b>				
<b>Response:</b> 100				
<b>2.4.1.1 Number of sanctioned posts year wise during the last five years</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
48	48	48	48	64

<b>File Description</b>	<b>Document</b>
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<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)**

<b>Response:</b> 12.89				
<b>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</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
9	6	6	6	6

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>

## 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:

SANCET follows the regulations of Anna University to conduct internal and external assessments as it is affiliated to the university. SANCET schedules the internal examination as per the academic and assessment schedule published by Anna University and the Planning and Monitoring Committee of the Institution implements it accordingly. The Examination Cell is formed with a group of senior staff members headed by the Principal to conduct internal and external examinations.

As per the Anna University norms, three and two CIAs are conducted for the 2017 and 2021 regulation respectively. The Exam Cell disseminates assessment schedule to students and faculty members. The CIA Schedule is displayed on the department notice board and the same is posted on WhatsApp group. Preparation of question paper by the faculty member and scrutiny is done by the Head of the Department confidentially. CIAs are conducted over the planned portion for 50/100 marks for the duration of 1.5/3 hours. Based on the CIA, internal marks are uploaded in the AU web portal for a total of 20 marks (2017 –R) and 40 marks (2021-R).

If a student is unable to attend CIA due to illness or other unavoidable circumstances, he/she will be asked to write assignments and he/she will be given marks based on his/her performance. In order to evaluate the attainment of POs and PSOs, the CIA questions must be mapped to COs and knowledge levels based on Bloom's taxonomy. Internal examinations are monitored through Examination Management System (EMS) as given in Examination policy.

#### The grievance redressal system

- 1. Internal Assessment:** The evaluated answer scripts are given to the students and if they have any complaints - such as re - totalling, revaluation can be done by the concerned faculty member through the Examination Cell within a day, ensuring that the process is transparent and time-bound. If students are on authorized leave or on the duty, they may be considered for writing assignments based on their request, and the assignments are conducted for the students by the concerned faculty members.
- 2. End-semester examination:** If a student has any grievances, he/she may apply to the Controller of

Examinations (CoE) for a photocopy of the answer script within the given timeframe specified by the University, upon payment of examination fee through the Principal. The concerned faculty member evaluates and justifies the received answer script and recommends it for re-evaluation with a breakup of marks for each question. Based on the recommendation, the student can apply to the CoE through the Examination Cell for re-evaluation. The answer scripts are re-evaluated by Anna University and the results are sent through the Principal. Practical courses and project work are not eligible for re-evaluation. Students who are dissatisfied with the re-evaluation can apply for a review of their answer scripts within the prescribed period and they can pay fee to the CoE through the Principal.

File Description	Document
Upload 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:**

SANCET adopts Programme Educational Objectives (PEOs), Programme Specific Outcomes (PSOs), Programme Outcomes (POs) and Course Outcomes (COs) from Anna University. PEOs and PSOs are programme-specific where POs integrate all programmes. Each course has its own outcome that must be achieved by the students at end of the course. COs are associated with POs and PSOs that correlate with Bloom's Taxonomy level (BTL) to estimate the knowledge level of the students to the particular COs. Programme outcome of the courses are given as

S. No.	B.E. Programme
1.	Engineering knowledge
2.	Problem analysis
3.	Design/development of solutions
4.	Conduct investigations of complex problems
5.	Modern tool usage
6.	The engineer and society
7.	Environment and sustainability
8.	Ethics
9.	Individual and team work
10.	Communication
11.	Project management and finance
12.	Life-long learning

The outcomes are communicated to stakeholders in the following modes:

Sl. No.	Stakeholders	Mode of Dissemination
1	Top level management	<ul style="list-style-type: none"> <li>• Presented in the governing body meeting.</li> <li>• Website</li> </ul>
2	Faculty members	<ul style="list-style-type: none"> <li>• FDP</li> <li>• Website</li> <li>• Governing council</li> <li>• Department meeting</li> </ul>
3	Students	<ul style="list-style-type: none"> <li>• Discussed in the classrooms</li> <li>• Distributing curriculum book</li> <li>• Posters in teaching avenues</li> <li>• Websites</li> <li>• CIA question papers</li> </ul>
4	Parents	<ul style="list-style-type: none"> <li>• Discussed in the Parents-Teachers meeting</li> <li>• Website</li> </ul>

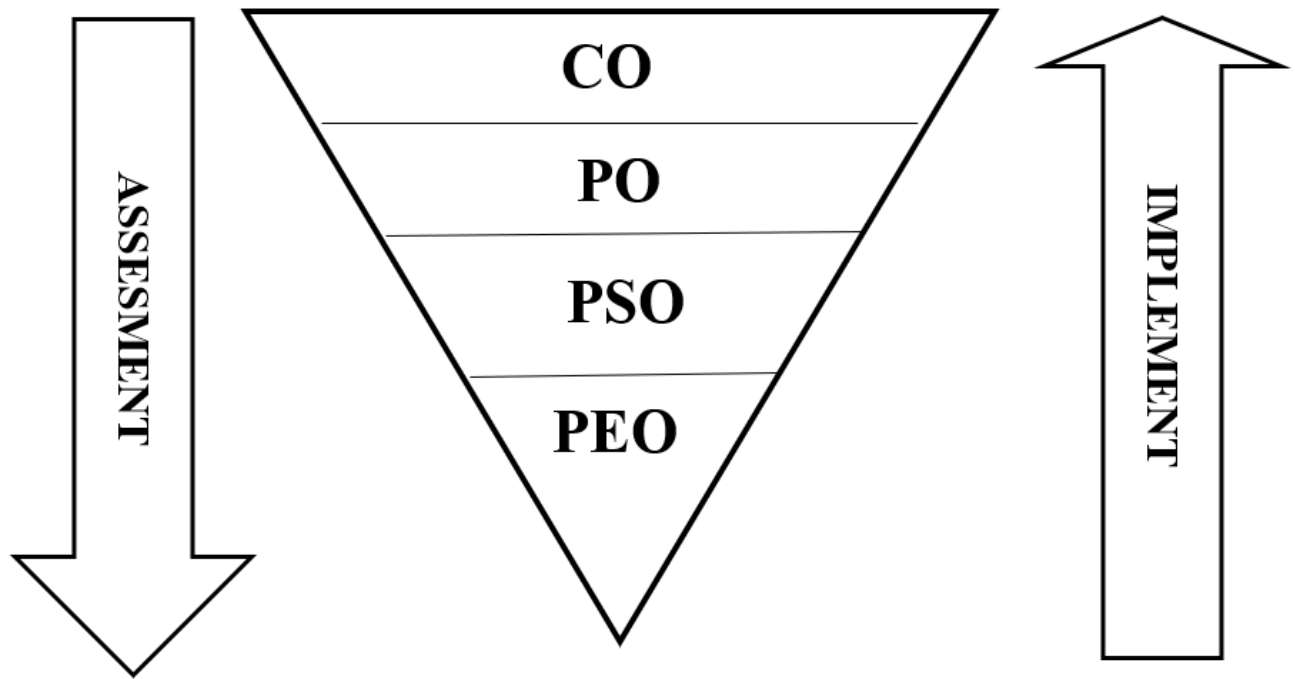
File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.2 Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words**

**Response:**

SANCET has its own procedure to calculate the POs and COs attainment. Attainment of outcomes is evaluated by the following method:





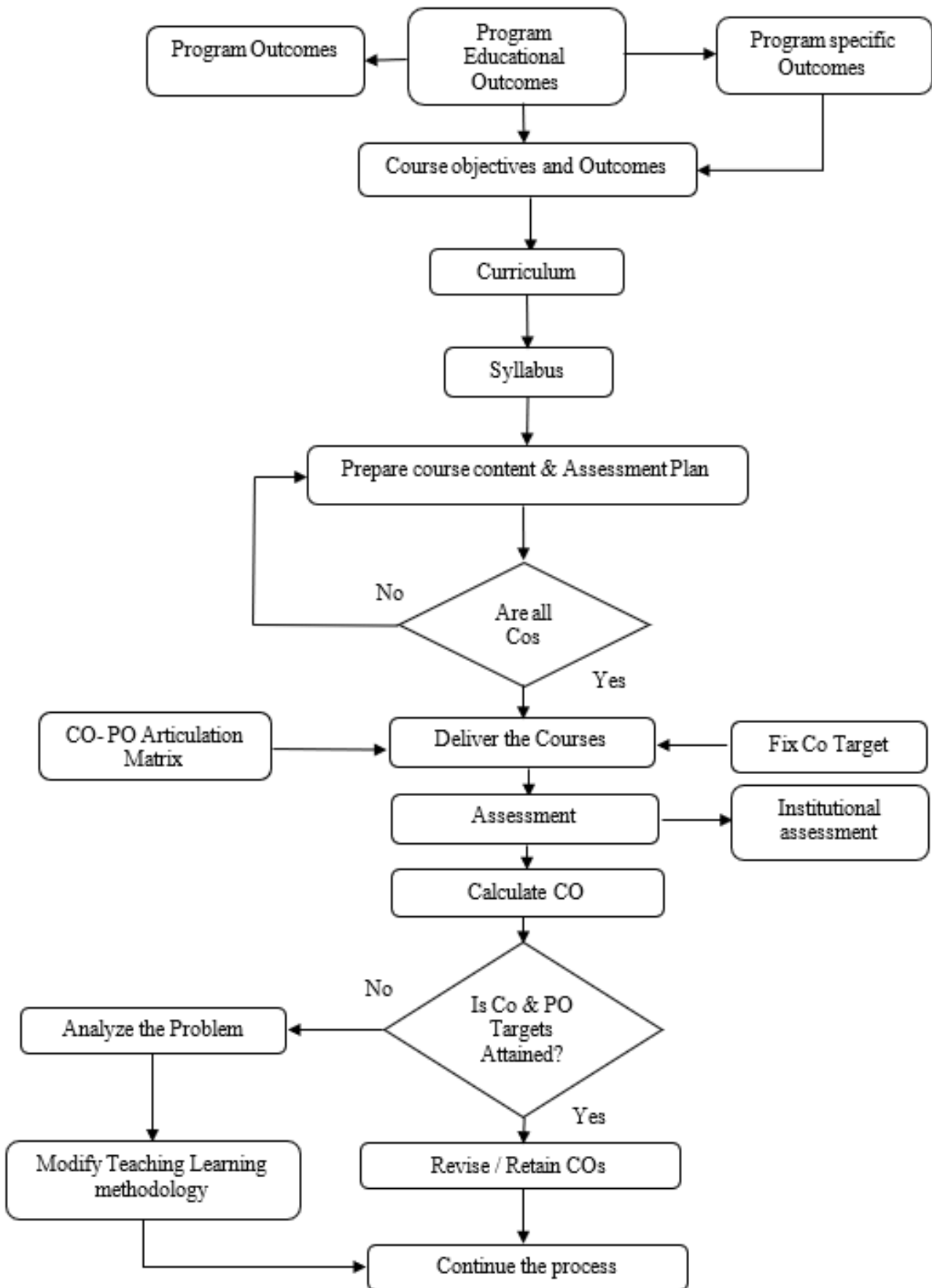
COs are mapped with POs and PSOs on a different correlation level, such as strong, moderate and light. COs and BTL are mapped with continuous internal assessment (CIA) question papers prepared by course instructors. Faculty members are familiarized with the outcomes by participating in faculty development programmes (FDPs) on outcome-based education (OBE).

Attainments of POs and PSOs are evaluated through direct and indirect methods. Direct attainment is achieved by CIA marks, assignments and end-semester examination marks, whereas indirect attainment is calculated by course exit survey on programme. The calculation of CO attainment and mapping the COs with POs and PSOs are compared with the predefined target value. Every CO attainment is carried out at the end of the semester.

Steps to calculate the COs attainment are as follows.

The Principal fixes a target value and approved by governing council for each batch of students. Based on the assessment procedure, the CO articulation matrix is calculated for each course. The average mark for each CO is calculated and attainment is determined. The difference between the average mark of COs and the target is identified. The gap is reviewed and analysed, thereby revising the teaching-learning methods. If the target is achieved, it is inferred that CO is achieved for that period. Similar procedure is followed for all the courses. Finally, POs are mapped with COs for each course at the end of the programme; i.e., CO-PO Mapping Matrix. If the POs/PSOs attainment is less than the target, reform the teaching and learning method in order to improve students' performance in consultation with the course instructor.

The overall process of calculating COs, POs, PSOs and PEOs are explained in the flowchart given below.



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:** 70.45

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

2021-22	2020-21	2019-20	2018-19	2017-18
70	122	130	50	100

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

2021-22	2020-21	2019-20	2018-19	2017-18
76	130	157	142	165

File Description	Document
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>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.7

<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:** 1.15

**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)**

2021-22	2020-21	2019-20	2018-19	2017-18
0.15	0	0	0	1

**File Description**

**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations, 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:**

SANCET fosters a research culture through academic efforts such as establishing an Institute Innovation Council (IIC), helps the students to attend an innovative training programme and promoting them for research activities like toyathon 2021 and Smart India Hackathon. Innovative activities are performed through co-curricular activities organized by the department students' associations. The research oriented events are organized for faculty and students by the Research and Development (R&D) cell. Also, students and faculty are being educated about the need of filing patents and obtaining Intellectual Property Rights (IPR) for their innovations. Department heads has taken the effort to sign memorandum of understanding (MOUs) with national institutions and industry to enhance research activity.

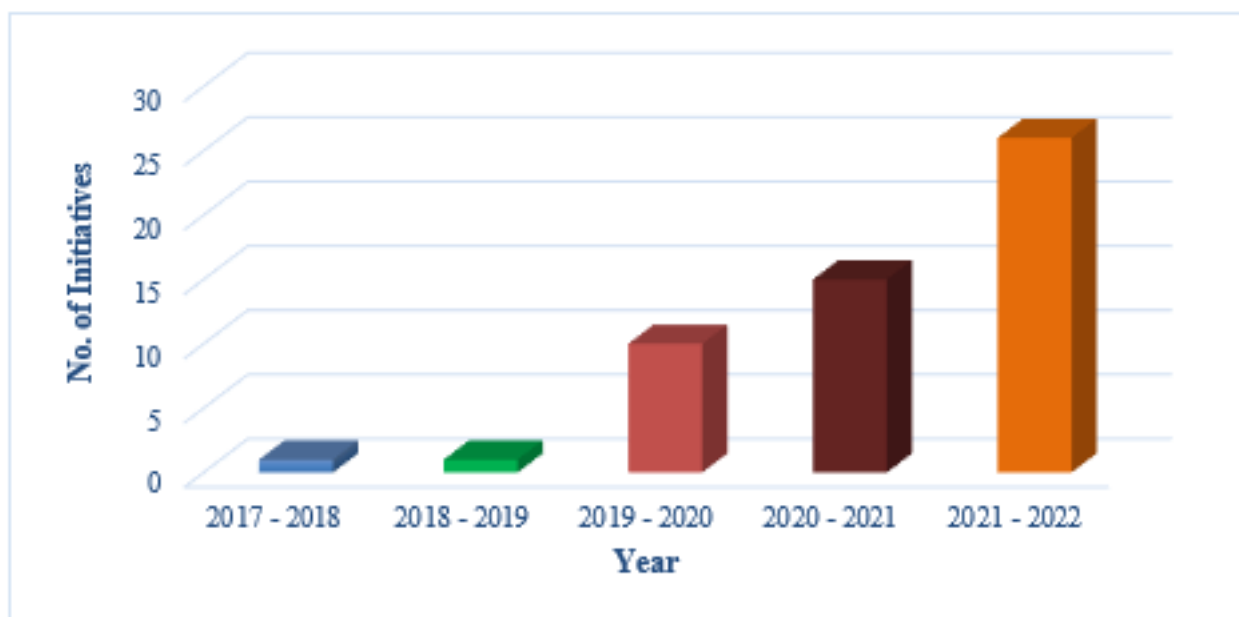
SANCET research policy insists the faculty to carry out research activities, disseminate research information, prepare major/minor project proposals, and thereby inspire the students to carryout miniprojects. HR policy encourages the faculty to conduct research by visiting research laboratories, publishing technical articles, and availing on duty for attending research related programmes.

SANCET recognizes faculty achievements in order to encourage faculty to engage in research activities and promote research culture. R&D frequently conducts idea contests, project exhibitions, and internal

smart India hackathons for students. Students' projects have been proposed to government agencies, and efforts have been made to approach funding agencies to get fund. Students are technically assisted to encourage research through symposiums and conferences. Entrepreneur Development Cell has been conducting several awareness program, technical training program and entrepreneur program to study real time challenges using agile method. Each department has incubation centre to foster innovation and research culture among students to do their projects. Following are the key initiatives of SANCET in research activities.

Centre	Ecosystem for innovation	Initiatives for creation and transfer of knowl	
Research and development cell	Idea hackathon	Prototype development	
	Project presentation	Publications	
	IPR awareness program	Filing patent	
	Manpower development	Capacity building	
ECSA	Miniprojects contest	Capacity building among staff	
	Seeking external funding		
IIC	Internal smart India hackathon	Business ideas	
	Lecture series on entrepreneur development		
Training and placement cell	Training program	Acquiring new knowledge	
	Collaboration with University, research institutes		
Entrepreneur Development cell	Generation of new ideas	Platform for information dissemination	

The number of initiatives during 2017-2022 for innovative ecosystem.



File Description	Document
Upload 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:** 40

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

2021-22	2020-21	2019-20	2018-19	2017-18
21	10	02	05	02

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: 0.51****3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5	5	11	12	8

File Description	Document
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>

**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: 4.81****3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
01	03	00	00	00

File Description	Document
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>



### 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:

SANCET outspreads its mission by adopting the villages such as irrular colony, Anguchettpalayam and kokkupalayam for their holistic development. It extends its support to the people by providing basic needs, awareness on health and life related issues with the help of National Service Scheme (NSS) and the student communities. The significant initiatives are listed below.

Initiatives	Place	Impact
<b>NSS</b>		
Tree Plantation	Kokkupalayam, St. Mary's Church, Panruti.	To reduce the global warming
Awareness about Dengue Fever	Sirugramam, Kokkupalayam, Manapakkam schools	Create awareness about environment cleanliness
Gaja Cyclone Rehabilitation	Nagapattinam	People could lead a normal life
Conducting awareness program on cleanliness is next to Godliness	Sathiyar Gnansabhai, Vadalur, Irrular colony	Create awareness by keeping the clean and green
Organizing awareness program on 100% Voting rally	Panruti	Make the people to cast their valuable
Opening bank passbook for village people and students	Irular Colony, Anguchettpalayam	Help them to deposit their money in bank
Creating awareness on waste disposal	Thirunavalur	Make the people to be aware of protecting environment from pollution and contamination
Foundation program for SC/ST people	Irular Colony, Anguchettpalayam	Expose the students to advanced learning process
Supporting for the basic needs of SC/ST people	Irular Colony, Anguchettpalayam	Owing to the establishment of electricity, streetlight etc.
Visiting SC/ST people Regularly	Irular Colony, Anguchettpalayam	Make them to know the importance of
Flood relief material distribution	Anguchettpalayam	Providing basic requirements of the p

##### File Description

##### Document

Upload Additional information

[View Document](#)

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

##### Response:

SANCET offers holistic education to the students by motivating them to be the part of others' lives. The NSS teams plan and execute various extension activities to the neighbourhood communities for addressing societal issues like blood donation camps for saving the lives of the society from Cuddalore and virudhachalem. The SANCET offers 50 units of blood to the district government hospital, Cuddalore. This was recognized by the district collector, cuddalore and the award was given for the academic year 2021-2022.

File Description	Document
Upload 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:** 42

**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**

2021-22	2020-21	2019-20	2018-19	2017-18
9	7	9	8	9

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>

### 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:** 7

<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>

## 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:

Totally the accessible land space of SANCET is 10.09 acres. It is situated in Panruti town, Cuddalore district, Tamil Nadu, close to Puducherry. The institution is approved by AICTE and affiliated with Anna University, and it fulfills all the requirements to provide undergraduate programmes. SANCET campus has a clean and lush green environment with road facilities to all the blocks. It is equipped with good infrastructure, administrative space, academic, cocurricular, extracurricular activities and other amenities. The following table displays the details of infrastructure.

S. No.	Facilities available	Actual area (m2)
1	Land area	40847.62
2	Instructional area	6040.04
3	Administrative area	951.26
4	Amenities	2689.23
5	Circulation area	2420.13
	<b>Facilities available</b>	<b>Count (number)</b>
6	Computers	376
7	Photocopier with scanner	4
8	Printers	26
9	Buses	4
10	Medical and Counselling	2
11	Incubation centres	4
12	Smartboard	8
13	Scanner	1
14	Fax	1
15	CCTV	70
16	UPS	14

#### Facilities for outdoor and indoor games

S. No.	Name of the Game	No. of Courts	Area (m <sup>2</sup> )	Year of Establishment
1	200 meters track	1	1220.00	2009
2	Kho-Kho court	1	466.77	2012
3	Cricket ground	1	2905.11	2009
4	Football field	1	2805.19	2009
5	Kabbadi court	2	144.52	2015
7	Volleyball court	2	167.45	2014
8	Badminton court	1	81.87	2013
10	Chess	5	87.00	2013
11	Carrom	4	87.00	2013

The total built up area is 13,707.38 m<sup>2</sup> out of which 6040.04 m<sup>2</sup> and 951.26 m<sup>2</sup> are allocated for instructional and administrative purposes respectively. The instructional area consists of class rooms, tutorial rooms, drawing hall, laboratories, workshops, computer laboratories, library, research and development cell and conference hall. The administrative area comprises of an administrative office, principal room, secretary cum board room, office of head of departments and faculty room, store room, security room, housekeeping, examination cell, admission office, Anne's cafe and placement office. Additionally, there are other physical facilities like staff residence, NSS office, RO plant, power distribution system (HT), parking area, gym, yoga, indoor activities, fire extinguishers, medical and counselling cell and ramps for physically challenged students. The area allocated for playground is 4067.29 m<sup>2</sup> which includes the areas for volleyball, throwball, cricket, etc.

The conference room and auditorium of SANCET have capacities of 100 and 700 seats respectively. A separate dormitory with 57 rooms is available for boys and girls. Additionally, students and staff can access transportation from remote locations around Cuddalore, Villupuram, Thirukovilur, Ulundurpettai.

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:** 6.09

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

2021-22	2020-21	2019-20	2018-19	2017-18
10.70	18.57	3.03	5.12	5.21

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 of SANCET is established in the year 2009 and it is located in the ground floor of Annai Annamal block with the area of 529.33 m<sup>2</sup>, that provides services to all staff and students to enrich their knowledge by teaching and learning. It contains a large reading space, department wise book racks, a separate reference section, a digital library area, an Online Public Access Catalogue (OPAC) area, circulation, a periodicals section, a CD section, and a photocopy section. The library offers access to e-resources from remote locations (<https://stannescet.ac.in/cms/library>). The library provides books on engineering and technology, competitive exams, GATE preparation and journals such as Springer, IETE, MAT, magazines, e-resources, etc. The list of various learning resources that are available in the Central Library includes books, journals, and CDs.

S. No.	Descriptions	No. of copies
1	Books	13653
<b>Journals</b>		
2	NISCPR	1
3	MAT journals	22
4	Springer	06
5	Research India Publications	17
6	IETE	02
7	E-journals	860

8	E- books	10676
9	CD	837
10	Magazine	03

Library is completely automated for all transactions using Nirmal software along with barcode technology. The OPAC facility is provided for book transactions. The library has membership in DELNET and able to access e-journals, the National Digital Library, the local NPTEL chapter's online courses, Open Educational Resources (OER), online dictionaries, department's project work and patents. The D-space institutional repository platform has open access to the research papers and data for staff and students. SANCET operates distinct Book Bank section for meritorious, needy and economically challenged students provides educational assistance.

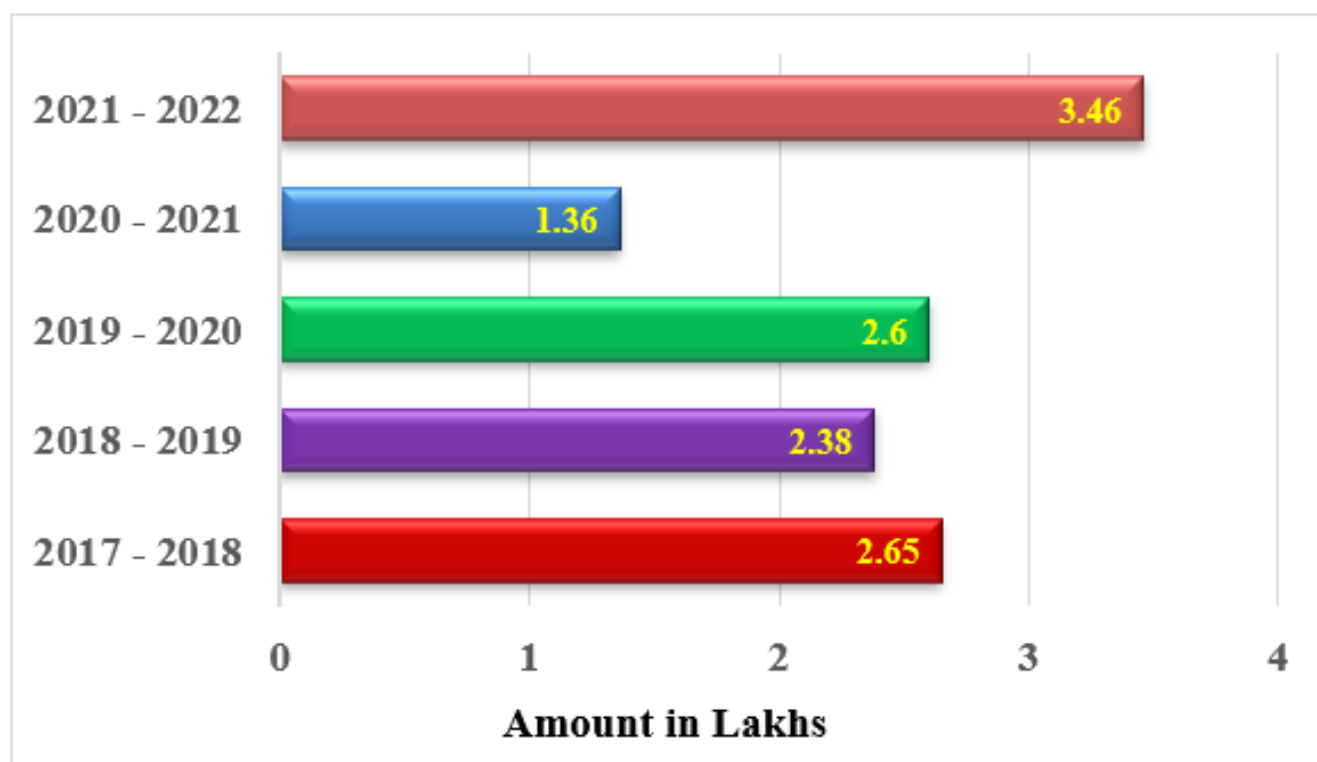
**Library timing:** 9:00 AM to 6:00 PM

#### **Details of library Automation**

Automation and year of	2017-2018	2018-2019	2019-2020	2020-2021	2021
------------------------	-----------	-----------	-----------	-----------	------

<b>automation</b>				
<b>Implementation of OPAC</b>	Yes			
<b>Software</b>	Nirmal			
<b>Fully / Partially Automated</b>	Fully automated			
<b>Version</b>	Nirmal suite premium 14			
<b>Barcode</b>	Yes			
<b>Year of Installation (Automation)</b>	2009			

Annai Annammal library engulfed enough to equip the knowledge park with required learning resources like books and journals. The details of amount spent for resources are given below.



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:**

SANCET provides internet access (wired/Wi-Fi) and CEEMS enterprise resource planning (ERP) software for administration and campus management by internet connection with the speed of 580 Mbps. The institute maintains an IT policy that governs computer systems, network, support services provided for student, staff and surveillance on campus. The policy includes:



The SANCET updates the computer systems and software as per the requirement. The hardware facility provided in the library are computers, servers, printers, scanners, photocopiers, CCTV camera, Smartboard, and Projectors. A barcode system is also available for staff and students to enter and exit the library. Biometric devices are installed in the administrative office to capture the finger prints in order to track attendance of staff. The server with the configuration i7-10th Gen/8GB handles database storage and maintenance. The necessary softwares are purchased and its license is renewed periodically, in accordance with syllabus updates. The institute has a variety of licensed and open-source software packages such as simulation packages, statistical packages, online libraries, interactive and collaborative tools, server packages etc.

Mock tests and online tests are conducted in air-conditioned computer labs with high-speed internet. There are 376 computers in the college that are LAN connected. The institution has sufficient information technology resources, including Wi-Fi and internet connections, which are widely available on campus and are regularly upgraded for the benefit of students. The internet bandwidth connectivity is upgraded to provide high speed internet access. The campus is equipped with Wi-Fi, and it is regularly updated. All the available computers are connected with an institute network by unique IP address. Faculty are assigned by official mail id (<http://mail.stannescet.ac.in>) for efficient distribution of information. To increase security, K7 antivirus software has been installed. SANCET has the social media network site such as twitter, Facebook, Instagram, YouTube channel. The IT team takes care of the IT related needs.

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:** 1.39

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

Response: 309

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:** 77.41

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

2021-22	2020-21	2019-20	2018-19	2017-18
106.66	55.41	82.66	139.56	157.96

<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>

## 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:** 95.76

**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**

2021-22	2020-21	2019-20	2018-19	2017-18
392	353	440	517	602

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	<a href="#">View Document</a>
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	<a href="#">View Document</a>
Upload policy document of the HEI for award of scholarship and freeships.	<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>

**5.1.2 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:** 14.26

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

2021-22	2020-21	2019-20	2018-19	2017-18
48	43	93	112	47

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

<b>5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years</b>				
<b>Response: 73.94</b>				
<b>5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
49	43	95	112	50
<b>5.2.1.2 Number of outgoing students year wise during the last five years</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
70	122	130	50	100

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:** 0.93

#### 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.)

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	2	1	0

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>

## 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:** 6

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	0	0	4	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<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>

**5.3.2 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: 8.8**

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

2021-22	2020-21	2019-20	2018-19	2017-18
13	00	11	10	10

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:**



In St. Anne's College of Engineering and Technology (SANCET), St. Anne's College of Engineering and Technology alumni association (SANCETAA) is functioning actively. SANCET arranges alumni gatherings to improve relations between former students and their alma mater. An effort is made to create a better future by bridging the gap between past and current students during the alumni meeting. Additionally, it gives alumni a platform to network and interact with students, faculty, and administration. The alumni association aims to establish a lifetime personal and intellectual relationship between the college and its alumni, as well as to cultivate an environment of gratitude and assistance. Every year, the graduating students are added to SANCETAA. SANCETAA contributes in a variety of ways to the institution's growth financially and non financially.

1. Donated the books to the library that lends them out to poor students who can take them home and return them later.
2. Served as a resource person for various technical events such as workshops, Seminars, jury for project expo, and so on, in order to support and encourage the juniors in the development of their personal and technical skills.
3. Offered career guidance, assists training and placement activities through coaching and mock interviews to help their juniors in meeting the industry's needs for placement.
4. Contributed monetary donation to the departments like Laptop, Tablet, Almirah, Speakers, etc.
5. Publicizing our institution to the public and their family in order to increase admissions. The alumni members are always appreciated for their contributions to the institution's progress and reputation.

The Institution keeps cordial relations with the alumni and periodically collects their feedback and suggestions for the institution's expansion and improvement. Outstanding alumni testimonies are collected and published on the college website. SANCET has a strong alumni network that guarantees their importance as stakeholders by involving them in the institution's growth initiatives.

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:

The governance of SANCET is tuned from the Congregation of the sisters of St. Anne, Tiruchirappalli. It is guided by the distinctive vision “To build a holistic Society” and the following mission to provide quality engineering education to the students.

St. Anne’s College of Engineering and Technology is meant to serve by

- Providing quality engineering education for the students who are socially, culturally and economically challenged to become world-class engineers.
- Stimulating the student for improving their interpersonal skills and technical knowledge according to the trends and needs of the industries.
- Educating human values which nurture the students academically excellent, technically skilled, physically industrious, psychologically disciplined, spiritually enlightened and socially liable.
- Administering professional enrichment of staff and good infrastructure enhance the teaching-learning effective which leads to personal growth.

#### Perspective Plan

The perspective plan contains major categories enriching teaching-learning process, improving staff quality, increasing graduation, placement outcomes, developing infrastructure, enhancing outreach activities and accreditation as given in strategic plan.

#### Nature of Governance

- SANCET is a second baby born in Annai Velankanni Educational and Social Society with the governing body members; President, Vice president, Secretary, Principal and councilors of Superior General.
- The Secretary and Principal of SANCET are appointed by president of the Society and they are responsible for the administrative and academic activities.
- The Vice-Principal, Heads of the department, IQAC co-ordinator, Co-ordinators of cells and clubs are responsible for implementing various academic activities.
- Planning and Monitoring Committee constitutes of Secretary, Principal, and Heads of the department and IQAC co-ordinator.
- Annual plan of the academic activities is approved and evaluated by Planning and Monitoring Committee.

SANCET emphasize participation of the faculty members in the College governance

- Principal is the academic head of all the activities.
- Institutional activities are decentralized and decisions are made in different levels like the planning and monitoring committee, department staff meeting, class in charges, mentors, students' representatives, class committee meeting, students welfare and discipline committee meeting and parent teachers' meeting.
- The Vice-Principal is responsible for students' welfare, non-academic events and coordinates all the activities in the absence of Principal.
- All academic and administrative activities are decentralized through cells and committees such as admission, research and development, cultural, entrepreneur development as given in the organizational structure.
- Governing body and council approve the staff appointment and welfare measures of students and staff.
- Senior faculty members are involved in policy making.

### **Case Study - National Conference on Research and Development in Science, Engineering and Technology - NCRDSET**

#### **Practice**

Every year, National Conference is organized for connecting academicians, industrialists, researchers and students from all facets of science and Engineering. Staff and Students present their project and research work in the conference and actively participated for the successful completion of NCRDSET. The following committees are formed to carry out the task by decentralizing the authority.

- Design committee
- Website committee
- Reception and registration committee
- Proceedings and journal committee
- Master of ceremony committee
- Hospitality and food committee
- Stage and campus decoration committee
- Transport and accommodation committee
- Audio and hall arrangement committee

#### **Outcome**

Improved presentation skills

Ignited and promoted research activities by the students and the staff

Developed networks among students, faculty members and industrialist

Created and shared innovative ideas

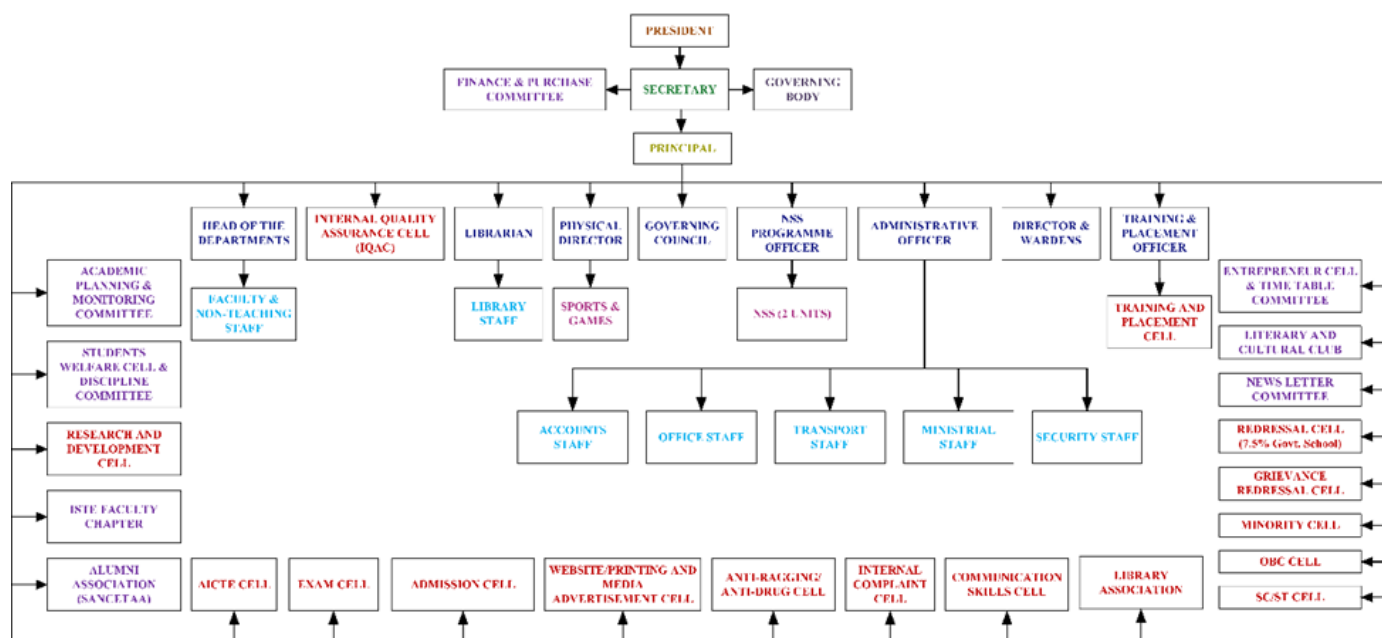
File Description	Document
Upload Additional information	<a href="#">View Document</a>

## 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:

SANCET has well-defined structure of governance to promote effective and efficient functioning of cells, clubs and committees. Each member in the structure has clear and transparent roles and responsibilities that are documented and implemented by the guidelines of the Society and the Institution.



SANCET has the following policies and procedures for effective implementation of participative governance.

1. Sports policy
2. Planning and monitoring policy
3. Admission policy
4. Institutional freship policy
5. Human resource policy
6. Examination policy
7. Research policy
8. IT policy
9. Purchase policy
10. Maintenance policy
11. Green campus and environment policy
12. Internship policy

13. Grievance policy
14. Training policy
15. Placement policy
16. Library policy
17. Administrative policy
18. E-governance policy
19. Energy resources policy
20. Plastic free campus policy
21. Alumni policy

The planning and evaluation of the committees are done regularly and policies are also reviewed and revised if necessary.

### **Appointment and service rules**

For Promotion and Services, SANCET follows Anna University norms and SAT higher education policy based on minority norms and the Secretary is responsible for staff appointment. Human Resource (HR) policy articulates about appointment, Promotion, reliving and Career development of the staff.

### **Deployment of Strategy Plan**

#### **Activity: ISO certification**

Being aware of the quality enhancement at an institution, an ISO certification process had initiated to meet all standards for quality assurance and standardization. Certification helps to

- Identify risks and opportunities
- Prevent problems from reoccurring
- Enhance teaching strategies
- Improve staff performance

The implementation of the afore mentioned points was discussed in a meeting with HoDs of various departments, principal, and secretary. The implementation of ISO is being monitored and coordinated by the ISO coordinator. The target value is fixed for co-curricular activities, research, publications, and teaching-learning. Compared the target value and the actual performance annually and implemented the corrective measures in case the deviation happens.

- Maintained the document properly.
- Improved the students' performance
- Enhanced the quality of teaching

Satisfactory experience for the staff and students.

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

File Description	Document
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:**

The HR policy of SANCET incorporates effective welfare measures and career growth opportunities for all staff members. These measures aim at supporting the staff members in institutional/personal progress, research activities, teaching-learning processes and personal life. A few initiatives are given below:

**Financial measures**

- Incentive for 100% attendance
- Cash prizes for best academic performance (95% and 100% success result)

- 50% subsidy for availing transport
- Employee Provident Fund (EPF)
- Personal loan
- Positional Allowance
- Incentive for publications
- Gift voucher for family functions, marriage, christmas, teachers' day, etc.

### Other measures

- Maternity leave/Medical leave
- On the duty leave for attending FDPs, conferences, workshops, seminars, etc.
- Fraternity grand lunch for all the staff members on the eve of St. Anne's feast
- On the duty leave for PhD scholars
- Sabbatical for higher education
- Flexible working hours for Librarians
- Vacational Leave
- Orientation programme for teaching and non-teaching staff

Qualified staff members are appointed as heads for various support systems such as accreditation, academics, professional body, research and development, examination cell, planning and monitoring, training and placement, co-curricular and extra-curricular activities, governing council and committees which improve administrative and academic skills and process updation. Staff members are encouraged to pursue the higher studies like doctorate, which help them to advance in their research.

### Appraisal system

SANCET has an effective, unbiased and transparent appraisal system (API score) to evaluate the faculty for their career development. The institution strictly adheres to the guidelines of the UGC for the calculation of API score. Outcomes and activities of an individual faculty member are recorded and reviewed by the concerned HODs and presented in the planning and monitoring committee meeting. The evaluation is based on the following criteria.

1. Qualification, teaching-learning and evaluation process
2. Co-Curricular, consultancy and professional development activities
3. Research activities and academic contributions

The appraisal meeting for non-teaching is conducted by Secretary every year with administrative officer and Principal.

File Description	Document
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:** 27.73**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
27	0	0	21	23

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>

**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:** 14.56**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**

2021-22	2020-21	2019-20	2018-19	2017-18
27	10	11	02	16

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



2021-22	2020-21	2019-20	2018-19	2017-18
37	36	42	41	41

File Description	Document
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>

## 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)

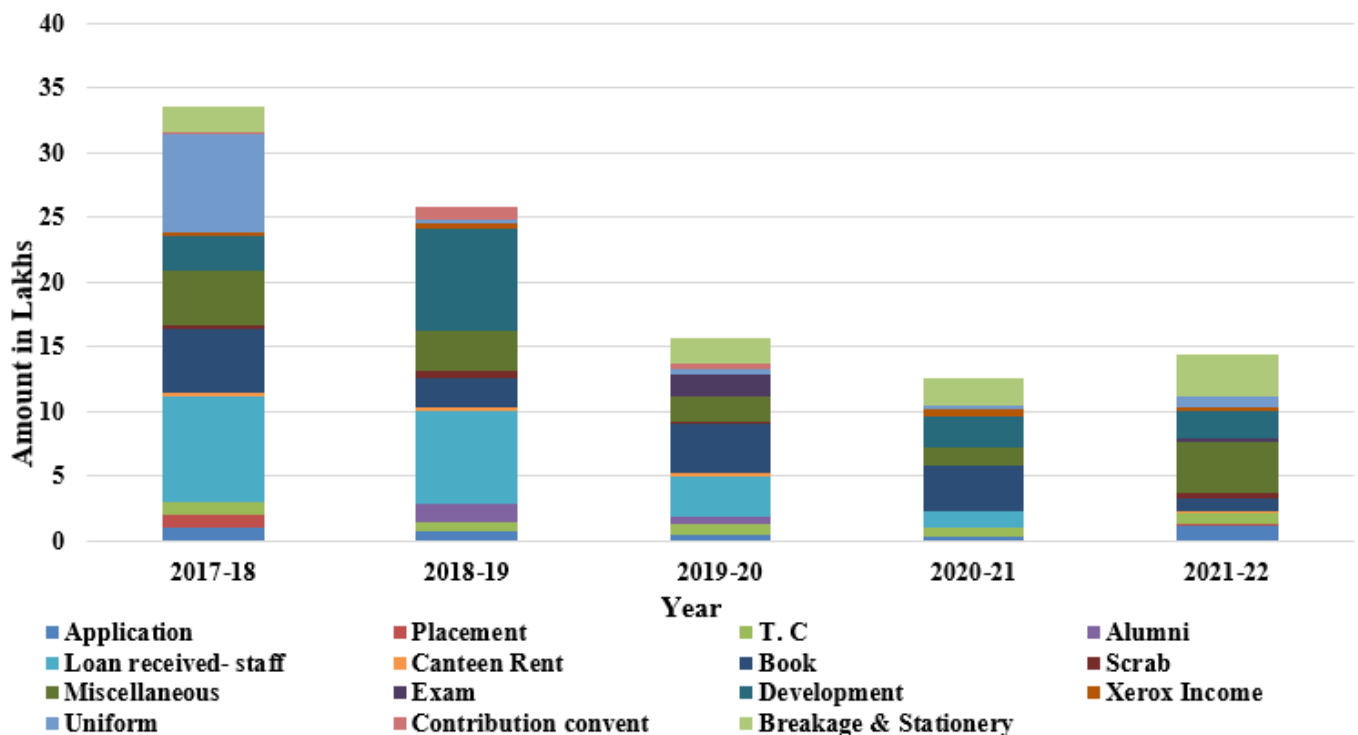
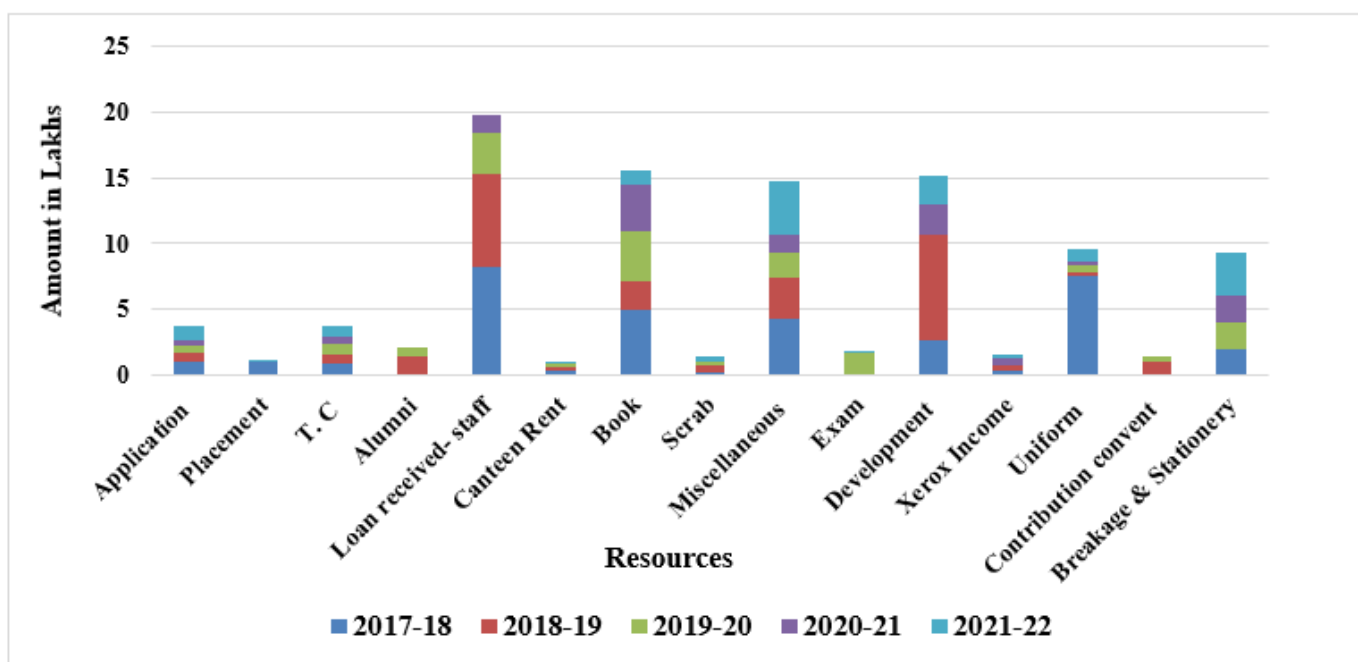
#### Response:

#### Response

- The financial position and its feasibility of SANCET are evaluated by the auditors (society and statutory audit). The budget is prepared for the year by head of the departments, calculating the revenue and expenditure of the college. The Institution plans for the mobilization of funds and their optimal utilization for every financial and academic year to avoid the bottleneck effect. The college mobilize the funds from various sources as given below.

#### Resources for fund mobilization

- Application, tuition fee, transfer certificate charge, placement charge and bus charge are collected from the students
- Income from the society, loan, scrab, and canteen rent.
- Income from books, exam, bank interest, xerox, uniform, breakage, stationery, alumni contribution and miscellaneous are collected for the development of the Institution.
- Examination amount received from the university
- Endowments are created for welfare of students and staff.
- The following are major sources for mobilizing fund.



### Optimal utilization of Funds

- Institute allocates adequate funds for organizing conferences, orientation and training programmes to enhance quality education.
- The management provides salary, based on the qualification and experience of the staff member.
- The funds are utilized to meet the day-to-day administrative expenses and maintaining the infrastructure and transport system.

- Maximum funds are utilized for purchasing lab equipment and their maintenance.
- Every year, funds are allocated to add library facilities in order to enhance the teaching-learning process.
- Adequate funds are utilized for the development and maintenance of infrastructure of the institution.
- Some funds are allocated for social service activities where SANCET took part in village development activities as a part of social responsibility.
- SANCET has a transparent system for conducting internal and external audits on financial transactions every year to ensure financial management.
- Maximum fund of SANCET is utilized for the institutional freship and management scholarship.

### Internal audit

Internal audit is conducted by the Financial Committee (FC) of the Society, every year. The expenses incurred under various circumstances are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, it is brought to the notice of the Secretary. The compliance report of the internal audit is submitted to the Secretary.

### External audit

The external audit is conducted once a year by Chartered Accountant. The accounts of the College are audited as per the government rules. The auditor ensures that all payments are duly authorized. After the audit, the report is sent to the Society. Any queries in the process of audit would be attended immediately along with the supporting documents.

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

## 6.5 Internal Quality Assurance System

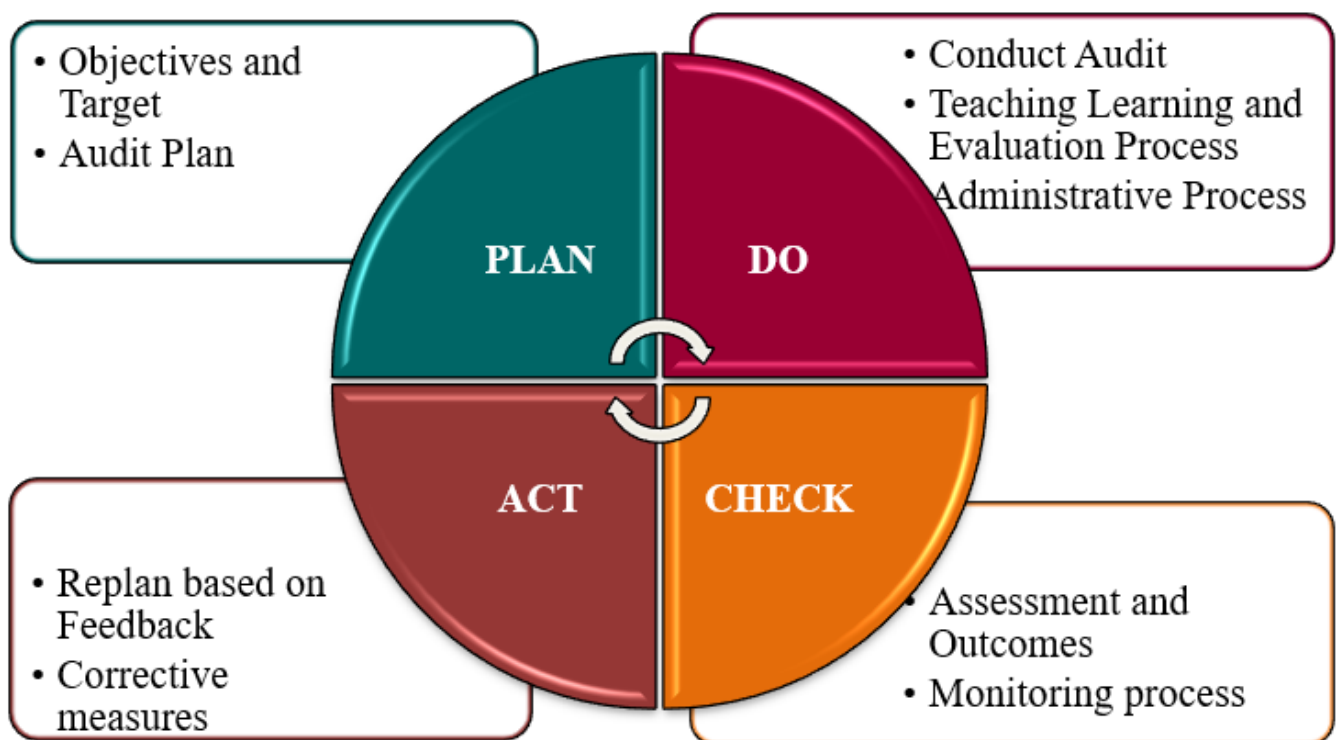
**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

### Response:

SANCET significantly contributes quality in all academic and administrative activities. It has contributed significantly for institutionalizing the quality assurance strategies and processes such as conducting regular audits, identifying, recognizing the outstanding staff and students in developmental activities. Internal Quality Assurance Cell (IQAC) is established in the year 2022. From 2009 onwards the quality measures have been planned and monitored by planning and monitoring committee. The committee regularly fixes the benchmarks in the following areas to maintain quality in all the processes such as:

1. Teaching learning process
2. Administrative process
3. Examination process
4. Learning resources
5. Training and Placement cell
6. Feedback system
7. Research activities

The target value of each process is displayed in the department and periodically evaluated for continuous improvements. The internal quality audit is conducted twice a year based on Plan- Do-Check-Act (PDCA) cycle to promote the quality in all academic and administrative activities. The audit process follows ISO 9001:2015 norms as given below.



#### **Audit Points to be considered for academic audit**

- Syllabus Coverage
- Records
- Course Plan
- Assessment Pattern and Marks
- Course Materials
- Lab Manual/Workbook
- Quality of question papers
- Verification of CO-PO Attainment
- Student Enrollments
- Result Analysis
- Training and Placement
- Students' Admission

File Description	Document
Upload 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: B.** Any 3 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:**

SANCET Implements a number of programs and measures to foster a culture of respect and equity for women as well as men to provide opportunity to be financially, mentally and emotionally empowered. Every year programs are held to promote gender equity. Students are sensitized at all levels through curricular, co-curricular and extracurricular activities on gender-equity, organized by various departments throughout the year to ensure that students have understood the value of gender dignity as well as equity.

**Safety and Security measures**

The safety and security measures exist in SANCET are as follows.

- Well-trained and vigilant wardens were appointed to both St. Anne's (girls) and St. Joseph hostel (boys) in the campus.
- Security checkpoint is provided at campus entry where the students allowed with valid identity card.
- Entire campus is kept safe from intruders by maintaining boundary walls with physical and electronic security systems.
- Seventy CCTV cameras are placed in different places of the institution for the effective surveillance.
- Anti ragging, grievance cell and internal compliant cell had been formed to voice their grievances.
- In addition, online grievance portal helps the students to login and present their problems ([www.stannescet.ac.in/cms/student/Grievance\\_Apply\\_Online](http://www.stannescet.ac.in/cms/student/Grievance_Apply_Online))
- Suggestion boxes are kept to receive grievances or suggestions from the students and staff.
- Sufficient lightings are provided on the campus while extending regular hours for conducting cultural activities, special coaching and placement services.

**Canteen and Dining area**

- St. Anne's Cafe is functioning in the college to provide refreshment and lunch for staff and students.
- A separate dinning shed is provided for day students with a comfortable table and taps for washing.

**Toilet, Staircase and Bus**

- Separate toilet and staircase facility is provided for boys and girls.
- Separate seating places are allocated in the college bus for both of them.

**Medical and Counselling room**

SANCET has well equipped medical and counseling room in order to serve the students community to avoid any kind of stress and panic. The institution has medical room with a bed and first aid kit.

**Recreation Hall**

- Separate recreation hall is available in the hostel for entertainment purpose.

**Yoga**

- Physical director gives yoga practice to improve students physically and mentally in order to balance work pressure at home and in college.

**Industrial Visit**

All the students visit various industries which is mandatory in SANCET during their studies in order to enhance the practical knowledge and exposure on industrial environment.

**Training and Placement**

SANCET provides placement training to all final year students for best placement and a continuous training for all the students irrespective of the year on Saturdays.

File Description	Document
Upload 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

File Description	Document
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>

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

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

**Response:** A. All of the above

File Description	Document
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>

**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:**

SANCET facilitates the peaceful coexistence of students and staff who are from various cultures, languages and religions. The institution promotes and encourages a holistic harmony in celebrating religious festivals, Tamil & national festivals which emphasizes the significance of various cultures and faiths. People of various religions, castes and backgrounds coexist harmoniously and respectfully. They cultivate mutual



understanding and compassion while sharing the collective responsibility of maintaining the institution's vision and mission including values. The institution also helps the students' who are economically challenged by supporting them with management scholarships to continue their study. The institution is constantly working to improve the quality of education and assists them in overcoming the communal gap through value-based education. The Institution maintains a code of conduct and discipline which has been adhered to regardless of their cultural, regional, linguistic, communal, socioeconomic and other distinctions.

### **Communal and Social Activities**

- The mission of Fit India Movement is implemented in SANCET to bring behavioral changes and move towards more physically active life style by making the SANCET family members to participate in sports activities and yoga programme.
- SANCET instills a sense of social responsibility among the youth and encourages them to help the less fortunate. The NSS volunteers carry out not only cleaning works in nearby school campuses, villages, temples and surrounding areas but also donate blood and arrange medical camps.
- The NSS adopted nearby villages in order to expand its services for the people's socioeconomic and cultural growth.
- Blood donation camps are conducted in order to make the students and staff members know the importance of indulging in social activities. During the COVID-19, vaccination camp was conducted by SANCET which was quite remarkable and appreciable.

### **Cultural Events**

- SANCET entrust always in "Unity in Diversity". All religions, languages and cultures are given equal importance. At SANCET, International Women's Day is celebrated on 8th March every year. Various competitions are conducted such as silambattam, games
- Students participate in various cultural events in the celebrations of christmas and Pongal, Teachers day, etc.

### **Regional Celebration**

- SANCET celebrates, Christmas, Ayudha Pooja, Pongal festivals every year where the values of tolerance, ahimsa, love and acceptance grow.
- Students and staff members belonging to various cultures and religions participate in these festivals whole heartedly forgetting the discriminations among them. Culture plays a major role in the lives of everyone in the society. Culture is the mirror of society that reflects the inner entity of a society and it varies from society to society and also from generation to generation.

Although different religion and caste exists in the campus, there is one in mind and heart at the time of Pongal celebration. Housekeeping personnels prepared pongal along with staff and students. Everyone including nuns shared the joy of this cultural celebration. Sharing sweet Pongal to everyone, together we enjoyed and that is the significant day of Tamilnadu culture, the Pongal to renew the gratitude towards God through Farmers.

File Description	Document
Upload 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 I

##### 1. Title of the Practice

Projects to Publications - Learn and Explore the Practical Knowledge of the Students

##### 2. Objective of the Practice

- The objective of the practice is to make the students to try out new ideas for providing practical exposure, to share their knowledge to the research community which helps students engaged in purposeful, relevant learning and fruitful outcome.
- Presenting their work in conferences and publishing it is the most effective means of sharing project knowledge. The audience can provide feedback through questions and discussions about the project presented. This can assist students in expanding their outlook through creative thinking.

##### 3. The Context

Final year students at SANCET use computers, equipment, and resources to build and test systems, analyze results, and draw conclusions. They may also purchase materials to conduct experiments and simulations. Presenting at conferences enables students to learn from peers' research, build professional relationships through networking, and enhance their presentation abilities and project display. The NCRDSET/ICRDSET offers students a full research experience.

##### 4. The Practice

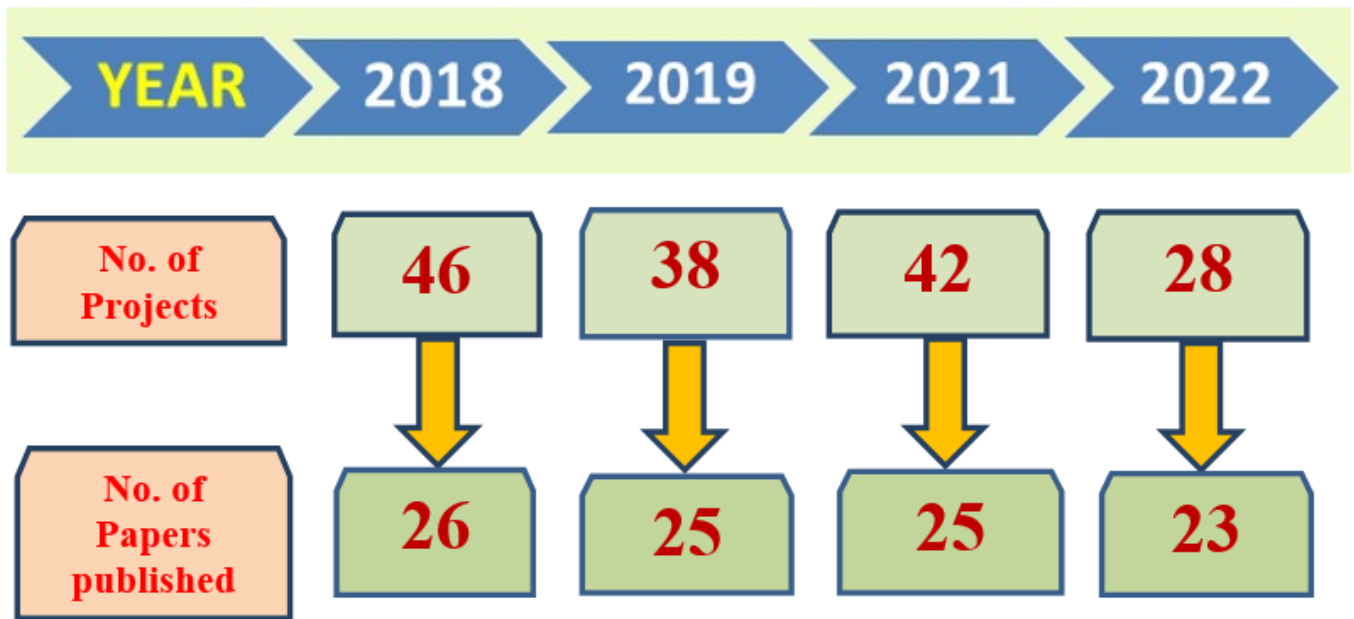
Our students Project Work and presenting paper in Conference comprises the following steps:

1. Students are grouped into batches and project guide is allocated based on their area of interest.
2. Students review available journals and e-sources in the Central Library. Our students conduct a comprehensive analysis of recent publications related to their field of interest. The literature review ideas are analyzed for new insights. Students generate their innovative project ideas in this manner.
3. The students present their project title during the zeroth review. The committee analyse the feasibility and approve the project.
4. Then students start the implementation of the project. The methodology and implementation progress must be reported in each project review. The Project Review committee overseeing the project's progress may make suggestions for improvement.

5. The project demo is presented and a report is given during the third review.
6. The paper is prepared after project implementation. Completed and innovative projects are presented in the National/International Conferences conducted in our College.

### 5. Evidence of Success

This practice is deliberately designed to achieve learning outcomes and provide students with a valuable learning experience. We have conducted six National Conferences and one International Conference in our Institution, from 2015 to till now.



*Figure - Projects and Papers published in NCRDSET/ICRDSET*

### 6. Problems and Resources

- The lack of project evaluation can hinder converting it into a conference paper.
- Sometimes, if a project is not finished on time, the paper cannot be presented at the conference that academic year.
- Students find difficult to write a paper for presenting in a conference.
- The students need continuous motivation and support to complete their project work.

### Best Practice II

#### 1. Title of the Practice:

## Creation and maintenance of an Eco-friendly Campus

### 2. Objective of the Practice

- The objective of the practice is to make the students and staff members to inculcate environmental values and consciousness.
- To ensure the protection of environment through green energy initiatives, energy conservation, renewable energy sources, ground water recharging, effective waste management measures, e-waste management and hazardous waste management.

### 3. The Context

The campus implements green practices and initiatives to raise awareness about environmental issues and combat their destructive impact. SANCET promotes sustainable practices for a greener campus. Our institution's practice encourages students to care about eco-friendly environments.

### 4. The Practice

Eco-Friendly Practices followed by both the faculty and the students on the campus are:

#### a) Energy Efficiency

- A solar energy system has been installed for generating 600 Watt power and is used for street lights on the campus.
- We use 65 numbers of LED fittings, 376 numbers of LCD Monitors and five star rating refrigerator for consuming less power in our campus.

#### b) Waste Management

- There are separate bins for degradable and non-degradable waste on campus.
- Liquid waste is directed to the gardens for watering the plants.
- E-waste, waste papers, plastic and metal waste are collected in separate bins and disposed to Sri Bala Computers and Kavinila Waste Paper Mart, Panruti, to provide waste management service.

#### c) Water Conservation

- Annai Annammal block has rainwater harvesting to ensure self-sufficiency in water resources.
- The rooftop rain water from all other blocks is directed to garden.
- The bunds are used to raise the ground water level.
- Cooler waste water can be repurposed for garden irrigation.

#### d) Green Campus Initiatives

- Security personnel at the main gate restrict public vehicle entry into the campus.
- The campus is made plastic-free.
- The College campus is environmentally friendly with 88 types of trees and plants surrounding all buildings.

- Plantation is a continuous process and new plants replace the dead plants. The guest of honor planted trees at our campus event.

## 5. Evidence of Success

- Kavinila Waste Paper Mart, Panruti and Sri Bala Computers, Panruti have signed MOUs to manage paper, metal, and e-waste respectively.
- The campus has a green cover of about 65-70%.
- Green Audit and Energy Audit was done and honoured with Best Green Campus Award by Nature Science Foundation, Coimbatore on 21.12.2022.
- Periodic tree planting has enriched the flora, avian fauna, and chordates on the campus leading to an environmentally friendly campus.
- All campus locations have clean air with good air exchange and safe CO2 levels.
- The campus has many plants that release oxygen and absorb carbon dioxide, including shrubs and herbs.
- Campus waste management system is tailored to handle different types of waste. This system separates degradable and non-degradable waste.

## 6. Problems and Resources

- Sufficient manpower and money is needed to maintain green practices.
- To promote environment protection and conservation among the students by strengthening the Eco Club.

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

**Title of the Practice:** The Invocation

#### Objectives of the Practice

- To keep the mind and the soul peaceful
- To reduce anxiety, increase calmness and peace
- To increase non-religious spirit towards the students

- To create the cultural habit among the students
  - To promote discipline and responsibility among the students
  - To encourage students to come together with lots of energy and have a pleasant day.
  - To inculcate moral and ethical values for developing their behaviors
  - To enhance team spirit, self- confidence, leadership quality for strengthening personality
  - To be with God and genuine self through morning prayer
  - To foster a culture that values and respects religious belief
  - To promote a stimulating environment that encourages spiritual reflection and reaction
  - To foster gratitude and thanksgiving towards God and man
  - To obtain involvement in an individual's life and the life of worshipping community
  - To help students maintain their composure and clarity of thought in order to make better decisions
- Optimism

### **Weekly Prayer**

SANCET assembly is meant to fulfil the purpose of conventional gathering and for good on Mondays. All the students and staff participate in the weekly prayer. The prayer starts with reading from the Holy Books of Bible, Bhagavad Gita and Quran. The objective of weekly assembly is that the college should focus on achieving for the sake of the development of students and the growth of the institution. SANCET motivates the students with appreciation and rewards on performing well in academics, curricular and co-curricular activities at the end of the prayer. Moreover, after the prayer one of the staff members narrates moral talk with anecdotes that gives that give insight and experiential moments.

### **Morning Prayer**

Morning Prayer conducted every day by 9.10 A.M to 9.15 A.M, so that the staff and students come to class in time before the commencement of prayer, which promotes discipline and inter personal skills among the students in SANCET. Morning Prayer connects the students with an open mind to God that creates a deeper spiritual relationship. Every week each department has the responsibilities to conduct the prayer. Thought for the day is read out in the prayer in order to make positive interpersonal connections. The students begin their regular work with God's blessings. SANCET has a unique feature, wishes students and staff on their birthdays, filling their hearts with hope and joy.

### **Hourly Prayer**

SANCET encourages hourly prayer in the classroom to develop unity among the students and staff. It also creates an environment of unity and familiarizes the students with the common rules, morals and ideals of the institution. The hourly prayer makes the students to get rid from their stress, anxiety and to keep their

mind at peace.

### **Participative Worship**

In participative worship, the students are encouraged to become independent learners. Before St. Anne's Feast, Novena celebration is organized for 9 days by the staff and students of each department in the month of July. Every day prayer is offered with any one of the following theme: Honesty, Duty Consciousness, Concentration, Self Esteem, Human Dignity, Truthfulness, Time Management, Environmental Preservation, etc. For example, if prayer conducted with the theme of "Honesty?", the importance of honesty will be educated to all the students and staff of SANCET. Honesty helps students in developing good attributes like kindness, discipline, truthfulness and moral integrity. Likewise, the theme of "Duty Consciousness" will create the importance of roles and responsibilities of each and every one. The theme 'Concentration' will make the students to pay attention in their studies. The Theme "Self Esteem" has impact on decision making process, relationship, emotional help and overall well being among the students. The theme "Human Dignity" creates a stronger relationship between a human's basic worth and student's proper obligations to society. The theme 'Truthfulness' will make an individual growth by realizing misinterpret i.e., learning from the mistakes. It also makes a social bonds and hypocrisy break between them. The theme 'Time Management' helps everyone in SANCET to achieve bigger goals. Effective time management reduces overwhelm and helps all to prioritize, ensuring all to work smarter and achieve goals faster.

### **The Practice**

Every Monday, the prayer sessions are organized to improve the quality of education through devout thoughts of numinous. The prayer committee guides and encourages students to plan and conduct prayer on a regular basis. Department wise prayer is conducted on every Monday. A minute silence is observed to create calmness and a sense of integrity.

### **Evidence of Success**

The prayer assembly offers opportunities to the students to improve communication skills and overcome from the stage fear. Prayer brings inter religion faith development, equality, zero tolerance among the students. It also educates human values, psychological discipline and harmony among the students. Prayer also helped students, gather with lot of energies to be good in their day. The prayer supports the students to have calm and reflective mind. Prayer creates a sense of pride among the students. It instils self confidence. It molds students to have friendly approach with neighbors, family member and the society. Also through prayer a sense of togetherness is developed. Through prayer, moral, social, and spiritual values are inculcated successfully. By way of conducting the prayer by department wise, the daily and routine activities are completed successfully. The prayer practice in our college on all Monday consists of selected verses from the several holy books of Hinduism, Islam and Christianity. Thus, we inculcate the spirit of harmony among all religions in the young minds of our students. Thought for the day is said to give new thoughts for all the students and staffs. The students and staff birthday has been wished, and celebrant feels happiness and togetherness as a family. In Every function, programs and meetings conducted in the college are always started with prayer, which is one of the positive sign in making the event a grand success. Praying is a form of meditation that helps students gather up for every adventure they're going to take up, have persistence to rationalize before plunging into a decision and stop themselves from harming someone. Prayer gives them strength to avoid inclination.

<b>File Description</b>	<b>Document</b>
Appropriate web in the Institutional website	<a href="#">View Document</a>



## 5. CONCLUSION

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### **Additional Information :**

SANCET campus is cherished by the celestial and divine beings where the staff and students grow in virtuous values and principles. It has harmonious, healthy ambience with right guidance and liberal approach to the higher officials. It creates serenity and learning ambience which are conducive.

SANCET offers technical education to the rural students from cuddalore district where the people are educationally and economically backward. The institution motivates them to take higher education especially in technical field. In order to promote them for higher education, institution offers fee concession and even students with low cut-off marks are admitted to make them technically sound and graduates ready to work in industries. The institution is very keen in making our students not only to improve their technical skills but also to make socially responsible and valuable person to build themselves and the nation.

The management of SANCET is providing equal opportunities to its stake holders to grow along with the institution by taking up everyone's recommendation towards the development of the college.

A special area is allotted for two-wheeler vehicles. Although wearing helmet is mandatory it is not followed by everyone. The SANCET insists them to wear helmet. A Separate High Tension (HT) line of 11kV has been installed to avoid interruption of power supply and to meet load demand. Uninterrupted Power Supply(UPS), Generator are also available for uninterrupted of Supply.

### **Concluding Remarks :**

SANCET is envisioned to work towards its motto "To build a holistic society" while implementing the curriculum to the students, integration of value-based education and needs of current industries by incorporating the suggestion given by the industry experts. The teaching - learning process is enhanced by the continuous improvement process by collecting the feedback from the stakeholders. SANCET is promoting ICT enabled teaching aids for the student - centric learning methods by insisting them to organize and participate in various co-curricular and extra-curricular events through the departmental associations. It improves students' aptitude, language and life skills by conducting various events, career counselling. In turn, it makes the students employable. Faculty members are encouraged to stay updated with the latest development in their field and participate in various professional development programmes.

The governance and management of SANCET is decentralized. All stakeholders are involved in decision making process through various provisions. Governing body and Governing council reviews, frames various policies and decides short- and long-term initiatives in academic, research, developmental activities, finance, and governance. All cells and clubs have been actively involved in driving and supporting the quality initiatives in academic, research, extension activities and industry institute collaboration.