



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ADHIPARASAKTHI ENGINEERING COLLEGE

**ADHIPARASAKTHI ENGINEERING COLLEGE, MELMARUVATHUR, CHEYYUR
TALUK, CHENGALPATTU DISTRICT**

603319

<https://apec.edu.in>

SSR SUBMITTED DATE: 11-07-2024

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

July 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Adhiparasakthi Engineering College is part of the Adhiparasakthi Charitable Medical Educational and Cultural Trust (ACMEC Trust), which was established in the year 1984. A small milestone that marked the beginning of a long sail on the ocean of education, with innovation at every step along the way. Today, ACMEC Trust operates nearly 16 Educational institutions serving the needs of 20,000 children from kindergarten to doctoral level, and a strong group of alumni who have been an integral part of enriching communities around the world for 40 years.

Adhiparasakthi Engineering College is the culmination of the group's efforts to create a world-class institution that specifically addresses the rapidly changing human resource needs of the country's industry and the global village. The college is located in Melmaruvathur, just 70 km from Chennai Airport, on NH45. It is affiliated to Anna University and approved by All India Council for Technical Education, New Delhi, Government of India. The college has been awarded with ISO 9001-2015 certificate.

The institution, which began with 3 Engineering disciplines, has grown to offer 8 Under Graduate, 5 Post Graduate programmes in Engineering, 2 Post Graduate programmes MBA & MCA and 4 Ph.D. programmes. Currently, there are 124 faculty members, 29 of whom hold Ph.D. degrees and 4 of them cleared SLET/NET. It was a rewarding and instructive process to apply for NAAC accreditation.

The students have the benefit of complete suppleness and freedom, and are benefitted by the expertise, courses of study and infrastructure available. The Institution promotes measures for Institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of the best practices.

We are eagerly awaiting the visit of the peer team to our facility to conduct the assessment. We would like to take this opportunity to thank our esteemed Correspondent Dr.G.B.Senthilkumar, department heads, faculty members and staff for their full cooperation in the preparation of this self-study report.

Vision

Adhiparasakthi Engineering College is committed to creating high quality Engineers, who have a sense of service and spirituality in order to advance the growth of the society at large through the adoption of appropriate technologies and ensure their sustainability.

Mission

M1: Imparting high quality education with emphasis on contemporary technologies that helps achieve growth across the spectrum of society.

M2: Cultivating Empathy and Discipline.

M3: Creating Spiritual Environment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

APEC is a role-model college that promotes academic success by providing students with a high-quality education, therefore assisting business and society.

1. Motivated by our mission statement, to spread knowledge.
2. Complete and continuous support for career planning from the management.
3. Cardinal interactions between parents, students, employees, and college management.
4. Teachers have a strong commitment to lifelong learning.
5. Combining education with research.
6. Professional advisors and a proactive career and placement department to help students.
7. Permanent affiliation by Anna University, Chennai.
8. Three times accredited by National Board of Accreditation (NBA), New Delhi.
9. Department of Civil, Mechanical, Electrical & Electronics, Electronics and Communication are recognized as research centres by Anna University, Chennai.
10. Dedicated R&D Cell
11. Engaging in a variety of extracurricular activities, including sports, literature, and the arts, consistently.
12. Curriculum implementation done right with interactive, ICT-based methods.
13. Eco friendly and good spiritual ambiance.
14. Dynamic IQAC members.
15. Well maintained hostels for boys and girls with additional amenities
16. Transport facility to nearby towns and villages.
17. 180 Mbps speed internet computer Laboratories.
18. Internet with high bandwidth.
19. Well-equipped and neatly maintained Laboratories
20. Excellent digital library stocked with wide range of reference books, text books, journals,
21. Effective value added, certificate and life skills programs.
22. Certified Green Campus.
23. Free in-house medical centre with doctor consultancy
24. Life member for CSI, ISTE, IE, IEEE, IETE, ICI chapters.
25. Documentation and Record keeping is good.
26. Industrial Visits in every semester.
27. Ragging free campus.
28. Alumni engagement for the institute growth & development.
29. Indoor and outdoor sports facilities.
30. Good Classroom ambience for learning.
31. Excellent infrastructure facilities

Institutional Weakness

APEC has the following weaknesses:

1. Restriction on updating the curriculum to reflect the demands of the industry today.
2. Lack of interest among students towards higher studies abroad.

3. Lack of NRI student attraction.
4. Poor Communication skill of students: As most of the students are first generation learners, their communication skills need to be improved.
5. Limited Funding source

Institutional Opportunity

The concrete possibilities include:

1. Having a large opportunity to engage with former students given the institution's forty-year history to establish centers for multidisciplinary research.
2. Possibility of additional research and consulting projects.
3. Establishing partnerships with research facilities to advance knowledge Industrial Centers of Excellence.
4. A stronger emphasis on higher education.
5. Educational institutions will have a great potential to reach a larger student base and save money through digitization.
6. The launch of Massive Online Open Courses (MOOCs) and investment in e-learning present a chance to provide high-quality instruction and create resources, especially for distant learning.
7. Courses on recently developed fields of expertise.
8. Utilizing the library in extended working hours.
9. Strong alumni network for internship and campus placement.
10. Offering Value Added Courses in the emerging areas.
11. Placement opportunities in IT sector.
12. Establish stronger relationships with R&D organizations.
13. Maximize the potential to utilize Centers of Excellences.
14. Social entrepreneurship Growth.
15. Partnerships with Educational Institutions, Business and Industry

Institutional Challenge

1. Improving exchange programs between faculty and students and reputable national and international organizations.
2. To get funds for research from the DST, DIT, UGC, AICTE, DRDO, ISRO and other institutional bodies etc.
3. There is a big challenge to retain experienced and qualified faculty.
4. To develop the language proficiency levels of the students with Tamil medium background and make them reach the expectations of the industry.
5. Declining interest in technical education by students.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Adhiparasakthi Engineering College (APEC) is convinced that giving students the best learning opportunities

will prepare them for careers as engineers. The Institute adheres to the Anna University-mandated curriculum. Teachers apply the curriculum by planning ahead and applying critical thinking to their teaching. All UG programs now use the CBCS and elective system as part of the Anna University course regulations for 2017 and 2021. By providing workshops, faculty development programs, and refresher courses, the institution encourages its faculty to stay current on their knowledge.

The institute's academic calendar, which covers extracurricular, co-curricular, and curricular events, corresponds to the Anna University's academic calendar. The Head of Department (HoDs) assigns subjects, including open electives, depending on the faculty's preference and area of expertise. Industrial tours, in-plant training, guest lectures, project competitions, seminars, conferences, placement and training, and association activities are among the departmental events planned. After a thorough analysis and discussion of the stakeholder and student comments, the necessary steps are taken. Gaps in the curriculum are found and value added programs are conducted.

Every academic year, each department offers at least one value-added course in addition to the curriculum to help students advance their careers. Additionally, input is gathered year-by-year from students, staff, and year-by-year from employers and alumni in order to enhance the teaching learning process and overall development of the institution. The HoDs evaluated the feedback and takes the remedial action in the upcoming semester.

IQAC guarantees that the faculty members are ready to present the program effectively. To improve the teaching-learning process, LCD projectors are available in every classroom. Three internal assessments are given to students during the semester to gauge their performance. The class committee meets to discuss performance, and reports are sent to the parents.

We regularly collect feedback from faculty, employers, alumni and students. Whether it's through adding new courses that might improve students' employability or addressing any other pertinent concerns, the institution constantly aims to meet the requirements of its students.

Teaching-learning and Evaluation

The State Government of Tamil Nadu administers the Tamil Nadu Engineering Admission (TNEA) counseling procedure for admission to various programs. Through social reservations established by the State Government of Tamil Nadu, the admissions procedure guarantees the inclusion of students from all categories. The institution has a sizable library of e-learning resources in addition to a learning management system. The institute's superb mentor-mentee approach addresses problems connected to academics and stress. Every year, on average, almost 95% of students graduate. Alumni associations that actively involve the former students in improving the teaching and learning process.

The Teaching and Learning process is given foremost importance in our institution. Our college adheres to curriculum and syllabi prescribed by Anna University, Chennai as per AICTE guidelines. The admission process of the college is managed by the admission committee which is responsible for designing admission forms and prospectus and counseling of the students at the entry level. Quality improvement in teaching and learning is achieved through a well-defined system of academic components and procedures. The crucial aspect of teaching learning process is planning, which involves adherence to the academic calendar, various instructional methods using pedagogical initiatives, Methodology to support academically weak students and

encourage bright students, performance check, which involves feedback, and most important, which will major impact on the quality of the teaching.

The lectures are delivered by the faculty members using a variety of teaching aids such as Chalk and Black board, PowerPoint Presentation (PPT), Demonstration of concepts, Seminars by students, Group assignments & discussions and so on.

The institution of higher learning uses outcome-based education, which is conveyed to teachers and students, by establishing suitable POs, PEOs, PSOs, and COs for every program. Every program assesses student performance by how well students achieve the learning goals, and appropriate improvement strategies are implemented in material delivery, assessment, and evaluation to achieve better skills and competencies.

Research, Innovations and Extension

The organization has a dedicated team of researchers. Each department has nominated a senior faculty member to serve as the research coordinator. Sufficient resources are made available to faculty members and students so they can do research in their areas of interest. Students are encouraged to work on research projects while faculty members are supervising them. Via its future tech labs, the college offers cutting edge resources for conducting research projects.

Encouragement of faculty members to conduct research is shown by the provision of necessary tools, books, time off for study, financial support for conferences and journals, e-resources, computer facilities, Wi-Fi, etc. The faculty members receive rewards from the college for their contributions to research. A research meeting is held to talk about funding agency bids.

It is advised that faculty members without doctorates to register for PhD. Research articles have been published in UGC-recognized, SCOPUS-indexed journals over the past five years.

The publication of academics' works in peer-reviewed national and international journals and conferences is strongly encouraged. Participants in inter-college competitions, seminars, and workshops are also encouraged. Through the IQAC, IPR cell, and EDC cell, the institute actively promotes research by holding technical and IPR-related workshops, seminars, and training programs. In order to encourage a culture of innovation and excellence among the teachers and students, the institute has formed the Institution's Innovation Council under the auspices of MHRD. MOUs are made with reputable businesses for the benefit of the students, including the provision of seminars and workshops on the most recent pertinent themes, internship/training, and placement.

Through organized forums like NSS, YRC, and Red Cross programs activities run by government organizations, faculty members and students actively participate in institutional social responsibility initiatives. Numerous accolades and prizes are given for a variety of extension initiatives by universities, state-level organizations, and NGOs. Numerous events, including tree plantings, village adoptions, and awareness campaigns for local school children, and residential camps for the people living near our campus, have already taken place in the recent past.

Infrastructure and Learning Resources

The institution has a big influence because of its state-of-the-art infrastructure, which enhances the learning

environment. When necessary, the management of the institutions is dedicated to improving the infrastructure, which fosters a positive teaching and learning environment. The built-up area of the campus is 65307 square meters, spread on 55 acres. AICTE/affiliating university-recommended amenities in an adequate number of classrooms and laboratories are available.

Future Tech Lab is a special facility that the administration has made available to support training and research endeavors. Technology-enabled classrooms and seminar halls are available. Both the college and the hostels have Wi-Fi and 180 Mbps leased line Internet connection.

APEC has sophisticated IT facilities which include 700 Computers which are connected through LAN, printers, Legal System Software and Legal Application Software along with Wi-Fi connectivity access points at prominent places.

The expensive digital library is furnished with 60 PCs that are connected via LAN for quick and easy access to the materials like IEEE, Science direct, newest books and journals, the reading room, and reprographic equipment. Digital library 70000 Volumes, 30000 titles, 180 print journals, and 480 e-journals are all part of the library's collection. The facilities are available to faculty and students after working hours also. Excellent generator-powered power backup Large, open playground and indoor stadium reserved for boys and girls only Superb upkeep of the campus. Enough money is set out for upkeep of the vegetation and internal repairs of all infrastructures. In addition, it is a member of DELNET and National Digital Library of India (NDLI), allowing its users access to e-resources.

Students make good use of the indoor and outdoor gaming facilities both during and after class hours. The college features with well-equipped separate gyms for boys and girls that are utilized by both students and staff, promoting a stress-free and healthy the environment.

The institution also has the following amenities: a well-maintained lift, a wheel chair for students with physical disabilities, RO water plant, a fire extinguisher, a vending machine for sanitary napkins, incinerators, water purifier, CCTV surveillance, solar plants, gen sets, biogas plants, and rainwater harvesting structures.

Student Support and Progression

The institution provides an engaging environment for students to continually improve in academic, co-curricular, and extracurricular activities. A variety of professional groups, including CSI, ISTE, IE, IETE, Students Clubs, NSS, YRC Games, and Sport Committees, have student chapters that actively plan for co-curricular activities, social events and technical and cultural festivals. On all academic and administrative bodies, students have equal representation and participate in decision-making. More than 75% of the students receive financial aid from the government and non-government organizations.

In order to develop life skills, increase confidence in our decisions based on sufficient information and thought, and uncovers sources of strength from both within and without; students receive guidance for life skills, competitive examinations, soft skills training, ITC/Computing Skills, physical fitness and meditation sessions.

If there are any complaints, the institute's Internal Compliance Cell, Anti-Ragging Committee and Grievance Redressal Committee handle them with care. Any academic or non-academic concern on campus may be brought to the attention of students via online register form suggestion and complaint boxes.

Averages of 70% of the students are often placed through campus and the university has an excellent placement track record. Many of our students also decide to continue their studies at prestigious universities in India and abroad.

In order to make it simpler for students to participate in co curricular and extracurricular activities, several organizations and groups are now operating. Each year, the university congregations more than 30 competitions, sports competitions, and other events.

The institutions' officially recognized alumni group actively promotes the expansion of the institutions. The teaching learning process and placement training activities are much improved by alumni.

Governance, Leadership and Management

In line with the institution's goal and objective, the governance structure of the organization is transparent and efficient. The institution's organizational structure and decentralization are well-defined. The Governing Body has regular meetings to review the institution's progress and suggest improvements.

To preserve a friendly relationship and discuss appointments, development, administration, and infrastructure needs, the management keeps in regular contact with the principal, dean, IQAC in charge, and administrative officer. As the college's head of academics and administration, the principal is in charge of carrying out the institution's vision and mission.

Departments and the institution have an efficient strategic plan that is implemented with clarity. A comprehensive definition of each functional body's policies and processes is provided. The institution's hiring and promotion policies are clearly outlined. The institution has integrated e-governance into the administrative, examination, and academic domains.

Various bodies, cells and committees are working successfully and frequent meetings are arranged for the discussion and minutes are recorded. HODs plan workshops, value-added courses, symposiums, conferences, and seminars to highlight students' skills and broaden their knowledge. They also organize career guidance programs.

Over half of the educators received financial assistance for attending conferences and workshops as well as for paying for their professional associations' dues over the previous five years. Over 50 administrative and professional development seminars have been held on campus for the benefit of teaching and non-teaching personnel in the last five years.

The institution has put in place a number of welfare programs to ensure the comfort of its teaching and non-teaching workers. The institution ensures academic quality by adhering to strict Quality Assurance procedures. The efficient execution of the quality processes is under the purview of the IQAC. In addition to organizing collaborative quality efforts and conducting quarterly meetings, IQAC also conducts academic and administrative audits and makes recommendations for quality based on report observations.

Institutional Values and Best Practices

APEC is dedicated to upholding a culture of excellence, hard work, tenacity, innovation, and creativity. Our

institution's motto is "molding true citizens," who may make significant contributions to the advancement and development of our country. In an environmentally friendly campus, the primary emphasis is on the students' entire development. The institute stood out in the area because of its attempts to develop fresh concepts and tactics that complemented its vision and mission.

The institute is proud of its location in a lush, green area. The college has implemented some noteworthy waste management, rainwater collection, energy conservation, and unconventional energy source initiatives. The institution takes action to manage both biodegradable and non-biodegradable trash and conserve water. A single academic building has a green building certification.

Numerous initiatives are being carried out, including programs to uplift the underprivileged segments of society, scholarships to worthy students, financial aid to impoverished students without regard to caste, creed, or gender, women's empowerment initiatives, student counseling, and social awareness campaigns in association with different governmental agencies.

The pursuit of excellence is the driving force behind best practices, and with concerted effort, this may transform the lives of stakeholders and the entire institution. A variety of activities are held through service and cultural clubs to guarantee gender parity and raise awareness of intersecting issues. The APEC clubs also routinely plan events, celebrate festivals, and observe national and international commemoration days. Students will flourish in leadership, teamwork, and logical thinking as a result of this.

With renewable energy sources like solar panels and biogas plants for energy saving, we have environmental consciousness, sustainability, and Disabled-friendly Washrooms. Our institution manages a variety of biodegradable and non-biodegradable waste categories, including solid trash and e-waste.

The APEC Labs offers faculty and students a top-notch environment for research and development. A constant source of motivation for all parties involved is the well-known inspirational saying attributed to our founder, Arul Thiru padmashri Adigalar.

“Man should also grow as a crop and be useful to many” – Arul Thiru padmashri Adigalar

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADHIPARASAKTHI ENGINEERING COLLEGE
Address	ADHIPARASAKTHI ENGINEERING COLLEGE, MELMARUVATHUR, CHEYYUR TALUK, CHENGALPATTU DISTRICT
City	MELMARUVATHUR
State	Tamil Nadu
Pin	603319
Website	https://apec.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	J.rAja	044-27529585	9994527846	044-27529094	principal@apec.edu.in
IQAC / CIQA coordinator	V.vIjayasundaram	044-27529247	9994901931	-	iqac@apec.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	07-07-2020	View Document
12B of UGC	07-07-2020	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	02-06-2023	12	NIL

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	ADHIPARASAKTHI ENGINEERING COLLEGE, MELMARUVATHUR, CHEYYUR TALUK, CHENGALPATTU DISTRICT	Rural	55	65307

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering,Civil Engineering	48	HSC	English	60	19
UG	BE,Mechanical Engineering,Mechanical Engineering	48	HSC	English	60	13
UG	BE,Electronics And Communication Engineering,Electronics And Communication Engineering	48	HSC	English	90	64
UG	BE,Electrical And Electronics Engineering,Electrical And Electronics Engineering	48	HSC	English	60	29
UG	BE,Computer Science And Engineering,Computer Science And Engineering	48	HSC	English	90	88
UG	BTech,Chemical Engineering,Chemical Engineering	48	HSC	English	30	22
UG	BTech,Information Technology,Information Technology	48	HSC	English	60	58

UG	BE,Computer Science And Engineering Artificial Intelligence And Machine Learning,Computer Science And Engineering Artificial Intelligence and Machine Learning	48	HSC	English	30	25
PG	ME,Civil Engineering,Construction Engineering and Management	24	B.E or B.Tech Equivalent	English	18	4
PG	ME,Mechanical Engineering,Thermal Engineering	24	B.E or B.Tech Equivalent	English	18	1
PG	ME,Electronics And Communication Engineering,VLSI Design	24	B.E or B.Tech Equivalent	English	9	7
PG	ME,Electrical And Electronics Engineering,Power Electronics And Drives	24	B.E or B.Tech Equivalent	English	9	3
PG	ME,Computer Science And Engineering,Computer Science And Engineering	24	B.E or B.Tech Equivalent	English	18	6

PG	MCA,Master Of Computer Applications,	24	B.E or B.Tech Equivalent	English	60	47
PG	MBA,Master Of Business Administration,	24	B.E or B.Tech Equivalent	English	60	46
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering,	36	M.E or M.Tech Equivalent	English	12	0
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering,	36	M.E or M.Tech Equivalent	English	18	0
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Communication Engineering,	36	M.E or M.Tech Equivalent	English	16	8
Doctoral (Ph.D)	PhD or DPhil ,Electrical And Electronics Engineering,	36	M.E or M.Tech Equivalent	English	8	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	19				2				103			
Recruited	12	7	0	19	2	0	0	2	58	45	0	103
Yet to Recruit	0				0				0			

Non-Teaching Staff						
	Male		Female		Others	Total
Sanctioned by the UGC /University State Government						0
Recruited	0		0		0	0
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						15
Recruited	14		1		0	15
Yet to Recruit						0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				37
Recruited	32	5	0	37
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	12	7	0	2	0	0	6	3	0	30
M.Phil.	0	0	0	0	0	0	5	5	0	10
PG	0	0	0	0	0	0	47	37	0	84
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	175	2	0	0	177
	Female	139	2	0	0	141
	Others	0	0	0	0	0
PG	Male	44	1	0	0	45
	Female	69	0	0	0	69
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	4	0	0	0	4
	Female	5	0	0	0	5
	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	25	18	34	11
	Female	18	22	16	16
	Others	0	0	0	0
ST	Male	0	0	0	1
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	190	183	166	105
	Female	184	134	124	75
	Others	0	0	0	0
General	Male	7	9	8	2
	Female	8	9	7	3
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		432	375	355	213

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The goal of our institution is to become the industry standard for engineering and technology education providers. Delivering high-quality technical instruction that encourages a spirit of inquiry and learning via a cutting-edge, cooperative educational paradigm that supports professionalism, scientific inquiry, and academic achievement. The offered programs are structured according to the Choice Based Credit System (CBCS), with specific credit recommendations going toward certain courses. The college is committed to encouraging an interdisciplinary approach among its student body, which will enable the next generation of thinkers to tackle everyday societal issues. Since we are a non-</p>
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	<p>autonomous school, we adhere to the syllabi and curriculum provided by the affiliated university, Anna University in Chennai. The institution is limited in how many people it can admit and leave because the university establishes the standards and authorizes every program the college offers. Enrolling in research programs will encourage students to conduct multidisciplinary research that will help find the best solutions to today's issues and concerns. Every program offers a non-major optional course that allows students to experience a multidisciplinary education in an alternative field.</p>
2. Academic bank of credits (ABC):	<p>Due to its affiliation, the college's options for applying the ABC system are restricted. Nonetheless, the College will follow the rules that the affiliated university has established. The organization took the first steps to create the ABC registration process.</p>
3. Skill development:	<p>Conducting specialized programs on soft skill development with subject-matter experts is one way to improve soft skills. The college makes several attempts to offer value-based education in addition to teaching the curriculum. In order to graduate, every undergraduate student enrolled in the college must become a member of one of the clubs or cells, such as NSS, YRC, RRC, Eco Club, etc. Programs on life skills, yoga, meditation, women's safety, health and hygiene, etc. are organized with the assistance of business experts who offer hands-on guidance.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>The college prioritizes the use of multilingual instruction by faculty members, particularly when instructing rural Tamil-speaking pupils. Individual attention is given during tutorial sessions and performance development seminars. Through groups like Fusion Club, Tamil Mandram, and Fine Arts, the university offers a variety of awareness programs to students about the environment, sustainability, energy conservation, ancient knowledge, arts, culture, and traditions of our nation. At our institute, students are morally motivated to do services by associating themselves in any service body like NSS, YRC and RRC.</p>
5. Focus on Outcome based education (OBE):	<p>Outcome based education (OBE), has been the standard for teaching, learning, assessment, and ongoing development at our institution. Every semester, the academic calendar is planned prior to</p>

	<p>the start of classes. When creating a lesson plan, faculty members consider the university's syllabi as well as the intended course outcomes (COs). The assignments' and internal assessment's questions are structured to ensure that the evaluation of all COs is done correctly. Then, via all of the courses and activities, including mini projects, case studies, seminars, and workshops, etc., the achievement of POs and PSOs is evaluated. Every program that our organization offers is found to advance effectively through this closed loop monitoring. The Planning and Monitoring Board and the Governing Council closely examine this procedure and make appropriate recommendations on a regular basis, such as updating the goals for POs and PSOs and putting more of an emphasis on student-centered activities, which help to ensure that each department's program is continuously improved.</p>
6. Distance education/online education:	<p>APEC is already prepared for online learning as an associated institution; in fact, during the COVID-19 pandemic, several online teaching and learning technologies, including Google Meet, Google Classroom, and Zoom were employed. The whole college campus has Wi-Fi and LCD projectors have been put in every classroom. Encourage instructors and students to sign up for SWAYAM, NPTEL and courses provided by international universities. The students are allowed to take two online courses, each for three curriculum credits. They are able to take as many courses as they choose in addition to their curriculum. Students finish their needed courses using the Naan Mudhalvan portal, which grants them two credits for every semester. Webinars, Seminars, International Conferences and Dual Mode Courses via the Naan Mudhalvan Scheme all promote blended learning.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	<p>Yes. Our college has an Electoral Literacy Club (ELC) that is well-run and has the full support of the student body. Through a range of activities, students learn about the election process, including voter registration and voting.</p>
--	--

<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes, The Following Faculty and Students coordinator are appointed for the last five years. Mr. Parthiban R Coordinator-ELC Assistant Professor Department of Mechanical Engineering Mr. JayaVignesh S Student's co-coordinator</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Our ELC educates first-year students about their rights and encourages them to exercise their rights by casting a ballot through lectures held annually. The club also promotes student involvement in the Systematic Voters' Education and Electoral Participation Program. The Thasildhar / Collectorate office authorities supported the organization of the numerous ELC competitions on our campus. ELC Members organize appropriate outreach rally events to raise awareness of the value of voting among rural residents.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>To promote knowledge of voting rights among the general public, our students display phrases about voting awareness on their hands. The rally's goal was effectively accomplished. Three of our kids enthusiastically participated in the "My Vote, My Right" short film and drawing competition for district level students, which was organized by the district electoral office. They received praise from the electoral office for their efforts.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The club works with the District Collector's office, which doubles as the District Election Officer's (DEO) office. Together, they occasionally take part in and assign club events to raise awareness of the value of voting through various programs like rallies, surveys, and competitions. Our first-year students are encouraged to add their names to the electoral roll with the help of ELC.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1199	1168	1134	1515	1922

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

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

Response: 135

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
135	125	139	150	156

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
247.38	94.92	107.96	716.42	819.05

File Description	Document
Upload Supporting Document	View Document

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:

Adhiparasakthi Engineering College is affiliated to Anna University, Chennai and has immaterial role in the design and development of curriculum. Anna University designs the curriculum which undergoes revision once in four years. The implementation is well documented to have effective monitoring of the curriculum delivery at various levels.

Analysis of Curriculum:

Anna University curriculum blends various courses such as Humanities and Social Sciences, Basic Sciences, Engineering Sciences, Professional Core Courses, Professional Elective courses, Open Elective Courses, Employability Enhancement Courses, Projects and Seminars etc. The Institution also concentrates to deliver the courses which are not covered in Anna University curriculum through value added programs.

Preparation and Adherence to Academic Calendar:

At the start of each semester, the academic calendar is prepared based on the academic schedule released by Anna University. The academic calendar provides the commencement of the classes, last working day, schedule of Internal Assessment Tests / Model Examination, holidays and End Semester Examinations. Principal approves the calendar, and it is then shared with all the faculty and students of the institution.

Subject Allocation:

Before the start of every semester subject allocation is done by the HOD. It is the responsibility of the faculty members to select the subjects that align with their area of competency. The HOD allocates the course based on the choices/proficiency of the faculty.

Time Table:

The HOD assigns a time table coordinator to prepare time table based on the number of credits allotted to the subject by Anna University. Then circulates it to the faculty and the students and also displays on the notice boards of corresponding departments with the approval of Principal.

Lesson Plan:

The faculty member prepares their lesson plan as per the academic calendar and get approval from the HOD.

Internal assessment plan

Every department plans for two internal assessments and a model exam which are properly scheduled by the respective HODs and approved by Principal. The faculty is insisted to complete the evaluation within two days and the consolidated mark list will be reviewed by the Principal with concerned HOD and faculty members.

Answer Scripts Evaluation Process

The answer scripts will be given to the subject handling faculty on the day of exam for evaluation. The evaluation must be completed within 2 days from the receipt of the answer scripts. After evaluating, the answer scripts must be distributed to the students for discussions and clarifications. Then the answer scripts shall be collected and submitted to the HOD and the marks shall be maintained by the class in-charge and HOD.

Class Committee Meeting

Every class shall have a class committee consisting of teachers of the class concerned, student representatives and a chairperson, who does not handle subject for that class. During these meetings the student members representing the entire class, shall meaningfully interact and express the opinions of the other students of the class in order to improve the effectiveness of the teaching-learning process. The Committee Report is discussed in department meeting and then remedial action is taken by the HOD.

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

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: 65

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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: 59.58

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

2022-23	2021-22	2020-21	2019-20	2018-19
1004	994	36	1071	1029

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

1.3 Curriculum Enrichment

1.3.1

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

Response:

To address the crosscutting issues relevant to ethics, environment and sustainability etc., various courses are integrated into the Anna University curriculum across all UG and PG programs. The institution offers such courses as electives, conducts various activities to create awareness among students and initiate various measures to promote eco-friendly environment.

1. Professional Ethics and Human Values

To promote ethics in profession, human values, gender equity and to create awareness about environment and sustainability the Institution offers various elective courses such as Professional ethics, Environmental Science and Engineering, and Total Quality Management. In addition to the curriculum students have been enrolled in a variety of programs, including seminars, guest lectures, and workshops on human values and professional ethics.

The institution organizes various programmes such as blood donation camps, blood donor awareness rally, distribution of food to frontline workers through NSS unit to inculcate human values among students.

Every year industrial visits are arranged for the students to understand the work environment and practices in the relevant industries. The students are encouraged to undergo internship and training during summer and winter vacation. This facilitates the students to get an exposure to a professional environment and learn the ethics and culture in the industry.

1. Gender

To sensitize gender equity courses such as Human rights, Environmental Science and Engineering have been incorporated in the curriculum. The Institution has demonstrated its commitment to gender parity by designating female faculty members as convenors of crucial committees and heads of departments. Women Empowerment Cell carefully addresses the grievances of female faculty members and students. Various events such as webinars, motivational talks and International Women's Day celebration are conducted to promote gender equity.

1. Environment and Sustainability

Clean and Green environment is ensured inside the college campus. The usage of plastics is avoided inside the campus. Students are motivated to carry out projects related to environment issues and provide solutions that benefit society. The NSS unit of the institution organize various events such as cleaning nearby villages, health camps, white washing government school, to mention a few.

The following environmental initiatives are implemented by the Institution:

- The college has adequate provisions for water storage. The campus is equipped with a number of percolating rainwater harvesting facilities that keep the ground water charged during the rainy season.
- Sewage treatment plant

- E-waste management
- Our campus is environment friendly, and plastic-free, that implements Swatch Bharat Abhiyaan.
- Tree plantation and campus cleaning are conducted on regular basis to inculcate the importance of the environment to the student community.

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

1.3.2

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

Response: 61.63

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

Response: 739

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

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

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

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 45.03

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

2022-23	2021-22	2020-21	2019-20	2018-19
375	355	213	236	385

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
691	691	691	700	700

File Description

Document

Institutional data in the prescribed format

[View Document](#)

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

[View Document](#)

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

[View Document](#)

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

[View Document](#)

2.1.2

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

Response: 61.4

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

2022-23	2021-22	2020-21	2019-20	2018-19
357	340	208	211	360

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

2022-23	2021-22	2020-21	2019-20	2018-19
478	478	478	485	485

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

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

Response: 8.88

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

- The aim of this institute is to educate the students and strengthen their academic abilities by both conventional and modern teaching methods. The students are exposed various learning platforms to enhance their knowledge and improve their skills in recent development on respective streams.
- The institute also leads the teachers to educate the students with student centric approaches to enhance the educational experience and make the learning process more competent.

EXPERIENTIAL LEARNING

We follows the following experiential learning from teaching learning process comprises various learning platforms to support and enhance their learning knowledge.

Industrial Visit, Internship/ In-plant Training

Students are encouraged by arranging industrial visit, Internship and In-plant Training for every semester by every department in the core industries/ companies based on their expertise to expose them the real time working culture.

Project

The ability of a student to solve a specific problem by a student right from its identification and literature review till the successful solution of the same is identified through this process. This helps to train the students in preparing project reports, facing reviews and viva voce examination.

Laboratory Courses

Mandatory laboratory hours are followed from the curriculum to improve their practical thinking for every semester.

PARTICIPATORY LEARNING

Students are encouraged to participate in conference, workshop, seminars, guest lectures, value added programs, club activities, and activity based learning. The students use their specialized technical or management skills through these activities and impart these identifications in curriculum.

Seminar/ Conference/ Workshop in College

Every department in college organizes various events that focus on recent/ innovative trends from their respective stream. Student's participation in these events aid in development of teamwork competency

Participation in Intra College Events

Students are encouraged to participate in both technical and non-technical events from college all over India to enhance their acquaintance in skills other than curriculum.

Guest Lectures

Students are exposed to guest lectures on topic relevant to their employment skills and recent trends which are presented by skilled personalities from various esteemed organization. The event is conducted by all the departments every semester.

NPTEL

All the students are encouraged to participate in NPTEL courses on latest technologies on their respected streams

Value Added Program

Every department is associated with a company/organization with an MOU for a certain period. Add on programs are conducted to the students every semester to explore and identify the advancement from their respective streams.

Club Activities

Institution holds various clubs such as Science club, NSS, YRC, NSO, Literary club, Women empowerment cell and Fine arts club to enhance the co-curricular knowledge of students by conducting various activities throughout the academic year.

PROBLEM SOLVING METHODS

Students are encouraged to acquire and develop their problem solving skills. This methodology of learning is practiced through Tutorials and Assignments.

Usage of ICT Tools by Faculties

Faculties are encouraged use various ICT tools for their lectures to make the class interactive and visual representation of concepts. In Covid-19 scenarios, the institution adopted various E-learning platforms and techniques to educate the students via online mode.

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

2.4 Teacher Profile and Quality

2.4.1

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

Response: 100**2.4.1.1 Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
135	125	139	150	156

File Description**Document**

Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

[View Document](#)

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

[View Document](#)**2.4.2***Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)***Response:** 20.99**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
32	26	31	29	30

File Description**Document**

List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.

[View Document](#)

Institution data in the prescribed format

[View Document](#)

Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities

[View Document](#)

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

[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

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

Response:

The college is facilitated by an open and comprehensive evaluation process. The Students who have chosen the relevant course are continually evaluated using a variety of evaluation procedures. Unit tests, assignments and projects are all used for meticulous evaluation. According to the Anna University academic schedule outlined, assessment examinations are conducted on a regular basis.

Internal Assessment Test / Model Examination

The schedule for internal exams is posted on notice boards well in advance. The students are informed of their performance, and if necessary, the parents are also informed. The Students who get low marks are counseled and they are also asked to meet the Head of the Department concerned. The parents are advised to meet the Counselors of the students with very poor performances on academic matters and also behavioral delinquency. The internal evaluation process is transparent and reliable. Class committee meetings are conducted regularly to discuss students academic and non-academic issues, and they are resolved immediately for the student's betterment.

University End Semester Practical Examinations

In order to write university practical and theoretical exams, students must have a minimum of 75% attendance. Less than 65% attendance shall result in debarring of them from appearing for the University exams. The Students who have 65% to 74% should be allowed only by the genuine medical certificate and the same has to be verified and approved by the head of the institute. The practical exams are conducted in batches. The question paper is set jointly by the internal and the external examiners and the paper is evaluated by the internal or the external examiner. According to university procedure, the project viva voce is conducted by both external and internal examiners.

University End semester Theory Examinations

Candidates are permitted to appear for the semester examination after they registered for examination in all courses according to the Anna University regulations. The list of students opted for elective subjects are uploaded in University web portal after Principal approval. Odd semester during November / December. Even semester during April / May. The Chief Superintendent is appointed by the Principal and approved by the Anna University. For conducting the Anna University Theory Examination as required by the university, invigilation duties, seating arrangements in the hall, are handled by the Exam Cell. The Chief Superintendent delivers the sealed covers of the answer script to the Zonal Office through the University Representative.

Students Grievances

If the students feel that the grade they have been awarded is inappropriate after the university has

announced the results, they may request reprints. The Students will receive a photocopy of their evaluated answer sheets from the university within a specific time period. If students are dissatisfied with their grade after receiving the photocopies, they may request revaluation. The application is forwarded to the University for Further Consideration. The students have the option to request a challenge valuation even after the revaluation if they are unhappy with the outcome. The COE of Anna University resolves complaints about the Anna University Examination.

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

2.6 Student Performance and Learning Outcomes

2.6.1

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

Response:

Our Institute has adopted outcome-based education (OBE) which emphasises what is expected of the student after they complete their course. Programme Specific Outcomes (PSOs), Programme Outcomes (POs), and Course Outcomes (COs) are progressed in accordance with OBE and it enables the student in achieving vital outcomes.

Program Educational Objectives (PEOs) are broad assertions that describe a graduate's profession fulfilment after graduation. Programme Specific Outcomes (PSOs) are outcomes that are specific and pertinent for a given program. COs are simple statements that describe the core and enduring discipline knowledge, the necessary skills, and the level of learning anticipated at the end of a course. Each course in the programme has five course outcomes, which are determined by considering the POs and PSOs of each department. The course outcomes are provided by the Affiliating Anna University in the curriculum.

The Program Outcomes (POs) specifically stated for all the program is published in the institution website and also displayed at prominent places in the department such as classrooms and laboratory.

Course's curriculum includes information on the course outcomes (COs). Additionally, the curriculum includes the mapping of COs with POs and PSOs. At the beginning of the semester, the students are informed in class about the course outcomes (COs) and program outcomes (POs). The justifications and strategies for achieving the course outcomes are provided by the course handling faculty and they follow the procedure for achieving COs, evaluation methods for determining the attainment through various assessment methods which includes direct and indirect assessment

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

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

In the Outcome Based Education (OBE), assessment is done through one or more than one processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of course outcomes (CO's). The process for finding the attainment of Course outcomes uses various methods. These methods are classified into two types: Direct methods and indirect methods. Direct methods display the student's knowledge and skills from their performance in the internal assessment tests, assignments, semester examinations. These methods provide a sampling of what students know and provide strong evidence of student learning. Indirect methods such as course exit survey to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills. The CO List is updated in internal assessment question paper.

Direct Assessment methods:

Continuous Assessment: COs are assessed through Internal assessment test& assignment. The COs are mapped against each question and CO analysis is carried out by faculty for each course and documented in faculty course assessment report. The contribution of COs is assessed in high, moderate and low levels, towards the attainment of POs/PSOs.

End-semester theory Examinations: The questions for end semester examinations are tested pertaining to all COs, in varying Blooms Taxonomy Levels. Laboratory Records: Both continuous and semester-end examinations are conducted to test the COs attainment.

Indirect Assessment Methods:

Programme – Exit survey: This survey taken from the students which stands as the comprehensive feedback for the PO/PSO assessment. The final PO attainment is calculated by taking 80% of PO and PSO achievement from direct method and 20% of PO and PSO achievement from Indirect method. The obtained values will be compared with the set attainment target fixed for each PO and PSO.

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

2.6.3**Pass percentage of Students during last five years (excluding backlog students)****Response:** 93.35**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
297	333	400	584	562

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

2022-23	2021-22	2020-21	2019-20	2018-19
323	356	401	587	664

File Description	Document
Institutional data in the prescribed format	View Document
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.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 10.44

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

2022-23	2021-22	2020-21	2019-20	2018-19
3.9886	3	0	3.225	0.225

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:

Adhiparasakthi Engineering College (APEC) has established a comprehensive ecosystem for knowledge generation and transfer, fostering innovation through various specialized centers and initiatives. To achieve its goal of becoming a hub for innovation and ideation, Adhiparasakthi Engineering College has signed MOUs with multiple firms to conduct skill development programs, thereby enhancing students' capabilities in innovative thinking and practical application.

Adhiparasakthi Engineering College's research and academic endeavors continuously contribute to the innovation ecosystem, encouraging students to develop solutions for pressing global and local issues. The college frequently organizes awareness programs, workshops, and seminars that focus on innovation and creativity, starting from the first year of study. These initiatives aim to cultivate a culture of innovation among students, inspiring them to pursue research and development projects.

In its quest to promote entrepreneurship, Adhiparasakthi Engineering College continuously organizes guest lectures, seminars, workshops, and motivational talks for students, faculty, and alumni, fostering an entrepreneurial culture. The platform allows students to develop innovative products with global recognition, generate business opportunities, and create revenue through consultancy work and student startups.

To support these efforts, Adhiparasakthi Engineering College provides dedicated spaces for innovative projects, including state of the art laboratories and incubation facilities. The institution has also initiated pre-incubation facilities for faculty-driven and student-led projects, providing the necessary infrastructure and resources within the Adhiparasakthi Engineering College premises.

Providing Shared Workspace: Adhiparasakthi Engineering College offers shared workspace for project teams within the campus, facilitating collaboration and innovation.

Mentoring: Faculty members of Adhiparasakthi Engineering College closely monitor and guide the development of innovative projects, providing mentorship and expertise.

Incubation Space: Furnished, air-conditioned spaces are provided for project teams, along with access to seminar and conference halls for collaborative work.

Library and Documentation: Innovators at Adhiparasakthi Engineering College have free access to the college's library and its extensive resources through the Innovative Project Cell.

To fully achieve its goal of producing valuable publications, securing patents, and conducting impactful consultancy work, Adhiparasakthi Engineering College is equipped with research centers, each dedicated to specific fields of study. Students actively engage in research and innovation as part of their academic curriculum, contributing to significant advancements through their projects under the Entrepreneurship Development Cell (EDC).

The innovation ecosystem at Adhiparasakthi Engineering College not only fosters the creation and transfer of knowledge but also promotes interdisciplinary collaboration and the development of cutting-edge technologies. By providing the necessary infrastructure, resources, and mentorship, Adhiparasakthi Engineering College empowers its students and faculty to make meaningful contributions to society through innovation.

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

3.2.2

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

Response: 44**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
14	10	2	8	10

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

3.3 Research Publications and Awards**3.3.1****Number of research papers published per teacher in the Journals notified on UGC care list during the last five years****Response: 0.96****3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
29	14	18	35	34

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

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

Response: 0.38

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

2022-23	2021-22	2020-21	2019-20	2018-19
13	6	5	13	14

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

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:

Adhiparasakthi Engineering College has dynamically participated in various holistic extension activities programs for the students and the surrounding villages, such as Melmaruvathur, Acharapakkam, and Thozhupedu. Our college has conducted many socially pertinent activities through the National Service Scheme (NSS) to promote the social and overall development of villages such as Melmaruvathur, Acharapakkam, Saram, Olakkur, and Tindivanam. By NSS, our college has organized several health camps and initiatives to raise awareness about WORLD ENVIRONMENTAL DAY and INTERNATIONAL YOGA DAY.

APEC has conducted many blood donation camps to raise awareness about the health of human society, and many of our college students have volunteered and assisted the needy directly and indirectly. Our

college has held tree plantation camps in Melmaruvathur, Acharapakkam, Thozhupedu, Saram, and Olakkur and conducted the TREE PLANTATION Program (TPP) at Government Higher Secondary School, Melmaruvathur, and Acharapakkam villages to raise awareness on the greenhouse effect and save the earth among the school students.

On the International Day of Yoga, NSS also organized programs to raise awareness about yoga as a way of life, intending to promote the value of human health and fitness, both physically and mentally. This program educates participants on how to maintain physical fitness in the age of modern technology. Our college, NSS, has launched several social well-being projects for the nearby residents to raise awareness about road safety for college students, the importance of gender equality, and awareness of good and bad touch. Moreover, we are conducting various programs on health-related awareness, including an ANTI-DRUG awareness program and a BLOOD DONOR awareness program, in association with the local hospital in Melmaruvathur.

APEC, NSS has been involved in the distribution of NILAVEMBU KUDINEER and food packets to the public and in raising awareness about the “AAROGYA SETU” application to the public in nearby villages of Melmaruvathur during the corona virus pandemic. In our college, NSS students have supported various societal activities, such as the big cleaning program, and we conducted clean India activities in SWACCH BHARATH and SWACHHA PAKHWADA in Sothupakkam and Acharapakkam Temple and School, the hospital cleaning activity, and the campaign to avoid plastic in the street shops of Melmaruvathur.

APEC has conducted NCC CAMP on the annual training camp, NCC Cadet’s Firing Training, and Career Opportunities in Defense. The volunteers have also contributed by assisting the public at the nearby railway station and supporting vehicle traffic control with traffic police during the temple festival at Melmaruvathur. Awareness programs on the importance of education, healthcare, and an eco-friendly environment are also conducted for school students studying in various villages for their future well-being.

Both of these organizations **help in developing discipline, a sense of duty, discipline, professional skills, and patriotic fervor in cadets.** Participating in both the National Cadet Corps (NCC) and the National Service Scheme (NSS) during college can provide you with a well-rounded experience and offer different opportunities for personal development.

Skill Development: The NCC typically focuses on developing leadership skills, discipline, and a sense of responsibility through military training and activities.

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

3.4.2

Awards and recognitions received for extension activities from government / government

recognised bodies**Response:**

In addition to its academic accomplishments, our college has garnered a great deal of respect and admiration. The NSS/NCC club at our campus is organizing a number of social awareness events as extension programs to foster a holistic atmosphere for the benefit of the local community. Many trusts and foundations, including the Melmaruvathur Adhiparasakthi Institute of Medical Science, Melmaruvathur, have honored our NSS club for its socially conscious efforts. Over the previous five years, our college-NSS/NCC group has received recognition for fifty initiatives. It has been acknowledged that our college, NSS/NCC, has contributed to the mega-tree plantations and tree planting efforts at Sothupakkam.

APEC appreciated the cleanliness efforts of APEC-NNSS/NCC at Government Higher Secondary School, Sothupakkam, and Agli Village. The initiatives that stress the significance of gender parity were valued at the Sothupakkam village's Government Higher Secondary School. In collaboration with the Melmaruvathur

Adhiparasakthi Institute of Medical Science, our NSS volunteers have offered their assistance in running the health camp. In recognition of our NSS/NCC club's involvement in raising public awareness of waste management and the dangers of plastic usage in Sothupakkam during the 2019–2020 academic year, the Melmaruvathur panchayat acknowledged us. We also conducted workshops at Melmaruvathur to raise awareness about using the Arogyasetu app, which we believe contributed to social service efforts during the COVID-19 pandemic.

Our NSS volunteers connected to the Melmaruvathur Adhiparasakthi Institute of Medical Science also lead the anti-drug awareness campaigns. Numerous blood donations were arranged to inform the locals of the value of blood donation. Letters of gratitude and acknowledgment were sent by the Melmaruvathur Adhiparasakthi Institute of Medical Science to our team for their efforts.

Our volunteers have worked at Amma Park, Kesavarayan Pettai, Melmaruvathur, for the Swachh Bharat and Swachh Pakwada projects, teaching the locals about trash management. The railway station then expressed its gratitude and support for our volunteers who helped with traffic and guided visitors during the Thai Pooam Festival at Adhiparasakthi temple, Melmaruvathur. The prizes and recognitions our NSS/NCC volunteers received from various Panchayat inspired them and got them interested in fostering a positive atmosphere.

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

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: 52

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

2022-23	2021-22	2020-21	2019-20	2018-19
18	13	4	8	9

File Description	Document
Institutional data in the prescribed format	View Document
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	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

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

Response: 25

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

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:

Adhiparasakthi Engineering College (APEC), Melmaruvathur prioritizes robust infrastructure, viewing it as fundamental for fostering quality education and innovation. Their commitment extends to both faculty and students, ensuring ample opportunities for academic development and the cultivation of capable, confident, and responsible engineering graduates. Their state-of-the-art facilities, in adherence to AICTE and Anna University standards, provide a conducive environment for learning and research, facilitating the pursuit of excellence in engineering education.

College Layout:

The college is located in a serene atmosphere in Melmaruvathur, Chengalpattu District. The total extent of land available to the College, at present, is 55 acres. The College has a built-up area of 65307 m².

Laboratories:

The laboratory facilities at APEC are designed to provide students with a rich practical learning environment, fostering their technical skills and preparing them for real-world engineering challenges.

ICT Enabled Classrooms:

Classroom is meticulously designed to foster an interactive and engaging learning environment. The spacious classroom is well-ventilated and has a green color board as well as ICT tools like a Wi-Fi enabled LCD projector and internet connectivity.

Seminar Halls and Auditorium:

The college has three seminar halls equipped with LCD projectors, smart board and computers with internet access, and a public address system. Additionally, it features air-conditioned auditorium, providing a conducive space for hosting a variety of cultural and co-curricular activities. These facilities enhance the learning experience and facilitate communication and engagement within the college community.

Conference Hall:

The fully air-conditioned 2 conference halls are designed to host seminars, workshops, meetings, and conferences. With a seating capacity of around 200 and 100, it features advanced audio-visual equipment's, including smart projector, large screens, and a high-quality sound system.

Gym & Yoga Facilities:

Our College offers a modern gym with advanced equipment, promoting physical fitness. Additionally, the college provides a dedicated yoga space with certified instructor, offering regular classes for stress reduction and mental well-being. These facilities ensure holistic development for students.

Sports:

APEC offers outstanding sports facilities, including grounds for cricket, basketball, volleyball, tennis and athletics. Indoor facilities include badminton courts and table tennis. Our college has a proud history of sporting excellence, having won the Anna University Championship three times.

Other Facilities:

Besides, the institution has the following facilities: Hostel and mess facilities, Health Centre, Transport facilities, Canteen facilities, ATM services, RO plant and Drinking water facilities, Well maintained Lift, Ramp and Wheel chair for physically challenged students, Sanitary napkin vending machine, Reprography Section, Instrumentation Cell, Power Facilities, Estate Office, NSS Unit, Fire Extinguisher and Safety Measures, Stationaries, Solar plant, Waste water management, Rainwater harvesting, Examination cell, Alumni cell and placement cell.

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

4.1.2

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

Response: 44.32

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

2022-23	2021-22	2020-21	2019-20	2018-19
107.67	5.50	0	406.31	360.59

File Description	Document
Institutional data in the prescribed format	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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:

Central Library established serves as an integral learning hub, distinguished by its innovative root architecture that harnesses natural light while mitigating tropical heat. Spanning an impressive 4000 m² it is spaciouly designed to accommodate an extensive collection of learning materials. Housing 69270 volumes of books, the library is a treasure trove of knowledge. Additionally, it subscribes to approximately 180 periodicals (national and international journals), 1400+ E- Journals along with magazines thereby enriching the academic environment with diverse perspectives and cutting-edge research.

The library employs a bar-code system to efficiently track visitor movement and resource availability and features an Online Public Access Catalogue (OPAC) for user convenience. Enhancing its digital offerings, the library subscribes to DELNET, IEEE and Science Direct for online resources in engineering, management studies, science, and humanities. The digital library is equipped with 60 PCs connected via LAN and provides Wi-Fi with a bandwidth of 180 Mbps. Facilities for internet browsing, photocopying, and seamless access to e-journals and e-books are available, supported by the Auto lib software system and an e-gate entry system. With a seating capacity of 400, the library's reading halls and various sections—including back volume, periodical, newspaper, and reference sections offer a conducive environment for study and research, ensuring that both students and faculty have access to comprehensive academic resources.

Total area of the library (in Sq. Mts.): 4000 m²

Total seating capacity : 400

Working hours

On working days : 8.30 AM to 6 PM

Holidays : 9.00 AM to 12 PM

Layout of the library

It includes individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources.

Reading space : 400 m²

IT Zone : 443 m²

Reference section : 548 m²

Book racks : 648 m²

Others : 1511 m²

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

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:

Adhiparasakthi Engineering College is equipped with comprehensive information technology facilities, ensuring seamless connectivity and modern educational tools. The campus boasts Wi-Fi and internet connections that are updated frequently, covering the entire area to provide reliable access. The institution supports a robust digital learning environment by installing 590 internet-connected computers and LCD Projectors in all departments. All computers are linked via LAN through switches, and smart

classrooms are well-equipped with projectors and internet connections. Additionally, conference and seminar halls feature computers with internet access and LCD Projectors&Smart Boards.

The college campus is interconnected through an optical fiber network, ensuring consistent 24x7 connectivity. Internet access extends to all areas, including hostel rooms, the library, the placement cell, and all laboratories, with a speed of 180 Mbps provided by AIRTEL. More than 22 Wi-Fi hotspots with extenders ensure comprehensive wireless coverage across the campus. Ethernet ports are also available for additional devices requiring internet connectivity.

E - Services

ERP is effectively used as a learning management system by the faculty. Attendance is properly maintained in ERP. For all faculty members, a unique mail ID is created in college domain. The college website provides all the essential information for the stake holders. In case of emergency, Google class room is used for teaching learning process. In ad hoc situations, class notes and assignments are uploaded in Google class room. To organize webinars and other activities, telecommunication apps like Google Meet, Zoom link and MS Teams are utilized.

Name of the Internet provider: AIRTEL	
Available Bandwidth	: 1:180 Mbps (AIRTEL)
Wi Fi Availability	: College Campus
Upload / Download Speed	: 84.49 Mbps / 154.33 Mbps (leased optical fiber line)
Internet Access in Library	: Yes
Internet Access in Office, Departments	: Yes
Availability in Faculty College email ID:	Yes (xxxx@apcc.edu.in)
Network Security Arrangements:	Yes, K7firewall (720 users)
Microsoft Academic Alliance	: Yes, Licensed Software

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

4.3.2

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

Response: 2.63

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

Response: 456

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

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: 38.7

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

2022-23	2021-22	2020-21	2019-20	2018-19
78.53	35.90	53.83	228.73	371.53

File Description	Document
Institutional data in the prescribed format	View Document
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)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

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

Response: 76.42

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

2022-23	2021-22	2020-21	2019-20	2018-19
1116	915	925	946	1400

File Description

Document

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

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

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

[View Document](#)

5.1.2

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

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

Response: A. All of the above

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

5.1.3

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

Response: 59.17

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

2022-23	2021-22	2020-21	2019-20	2018-19
821	746	75	1074	1389

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

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	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

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

Response: 72.92

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

2022-23	2021-22	2020-21	2019-20	2018-19
266	240	214	439	465

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

2022-23	2021-22	2020-21	2019-20	2018-19
303	350	385	554	635

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)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

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

Response: 11.44

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

2022-23	2021-22	2020-21	2019-20	2018-19
13	19	7	9	21

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

5.3 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: 72

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

2022-23	2021-22	2020-21	2019-20	2018-19
26	9	0	21	16

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

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

Response: 24

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

2022-23	2021-22	2020-21	2019-20	2018-19
34	28	0	28	30

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

5.4 Alumni Engagement**5.4.1**

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

Response:

Adhiparasakthi Engineering College valued its alumni greatly, and the college has always enjoyed a positive relationship with both the business community and its former students. The main goal is to have every alumnus become a member of the organization and to enable them to actively participate in the institute's initiatives, events, and activities. The mission of the **APEC Alumni Association (APECAA)** is to establish a connection between the university and its alums, create collaborative strategies to advance the institution and realize its vision, and empower the university to create value for all of its stakeholders.

In 2024, the Institute created an alumni cell to strong ties between the institute and its alumni, according to the **Adhiparasakthi Engineering College** self-study report. Frequent reunions and interactions with alumni. To utilize the rich experiences of old students of the institute for the benefit. To assist the students in securing suitable jobs to achieve their desirable future. Our Alumni can actively participated cultural, academic and sports program in our institute.

The following are the initiatives that alumni have helped with.

Curriculum Enrichment:

Alumni are active in the process of identifying gaps in the curriculum and creating modules of value-added courses.

Interactive Sessions:

To encourage current students about employability and international educational options, the alumni association assists in organizing interactive sessions. They use social networks to express their thoughts.

Industry link:

Entrepreneurial alumni host industrial visits for students and offer advice on how to launch a new business in order to connect them with employers. Alumni offer their assistance with student internships. Alumni can actively participate in volunteer activities such as mentoring students in their fields of expertise.

Alumni Meets:

Since its founding, we are extended invitations to its yearly alumni meet, "HOME COMING," which takes place in a year. Alumni reunite with former classmate and their alma mater at this meet. This is a great place to network and exchange new business trends with others. These contributions additionally support the academicians in reshaping the curriculum and molding the students.

Alumni provide advice to all prospective graduates through alumni talks and mentoring programs. They take part in panel discussions and guest lectures as resource persons. They discuss the

application of knowledge, corporate working culture, and trends and necessary skills in the corporate world. They also share their organizational and corporate experiences in these areas. Under mentoring programs, students are paired with experienced alumni who help graduating students with their transitions.

Contribution of Alumni:

Our Alumni play a role in contributing funding for institute that enhance the quality of education. The overall contribution of our APEC Alumni Association is enhances the improvement of our Students.

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

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 Institute's focus and core ideology are reflected in its Vision and Mission which are mentioned below:

Vision

Adhiparasakthi Engineering College is committed to creating high quality Engineers, who have a sense of service and spirituality in order to advance the growth of the society at large through the adoption of appropriate technologies and ensure their sustainability.

Mission

- Imparting high quality education with emphasis on contemporary technologies that helps to achieve growth across the spectrum of society.
- Cultivating Empathy and Discipline.
- Creating Spiritual Environment.

Character of Governance

The Governing Council Committee is a crucial component that uses a comprehensive strategy to guide the college towards the academic achievement. The way the institution is governed demonstrates strong leadership that is in line with its vision and mission statements. The integrity and efficacy of the administration and governance are guaranteed by the institute's policies. The Institute supports collaborative decision making and shared leadership. This is a reflection of its decentralized operations and the assignment of relevant power and duties. These delegations adhere to a methodical organizational framework with precisely defined job duties, by allowing faculty members to participate in decision-making. Every vertical has a separate convenor makes decisions in consultation with the principal or management and in accordance with institute rules and regulatory requirements.

The following are the committees:

1. Governing Council
2. Planning and Monitoring Board
3. Internal Quality Assurance Cell

4. Training and Placement Cell
5. Industry Institute Interaction Cell
6. Entrepreneurship Development&Intellectual Property Right Cell
7. Research & Development Cell
8. Instrumentation Cell
9. Examination Cell
10. Women Empowerment Cell
11. Fine Arts Club
12. Alumni Association
13. Public Relation Officer
14. Anti-Ragging Committee
15. Discipline and Welfare Committee
16. SC/ST Committee
17. Grievance Redressal Committee
18. Electoral Literacy Club
19. Internal Complaint Committee

Evaluation Process

IQAC has created a plan that takes into account all relevant elements, including the system's structure, workings, and stakeholders. The decentralized committees/cells will be guided by this strategic plan and they will be required to strive toward achieving the goals outlined in it. The entire process is built on a participative method, in which academics, stakeholders and decentralized committees collaborate to establish plans and ensure their effective implementation.

- Development and application of quality parameters for various academic and administrative activities of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Collection and analysis of feedback from all stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters to all stakeholders.

- Organization of workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various activities leading to quality improvement.
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Development and maintenance of institutional database through ERP for the purpose of maintaining the quality.
- Periodical conduct of Academic and Administrative Audit.

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

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:

The Governing Council Committee (GCC) is the statutory decision making body of the college carrying out functions and responsibilities in pursuit of institutional vision, mission. It is constituted as per the norms of AICTE, New Delhi, Anna University & Govt. of Tamilnadu wherein the members of the board of management have adequate representation.

The GCC meets once a year to deliberate on the activities and approves the minutes of the committees which report to the GCC. In this way, strategic plan, minutes of the academic committee, suggesting the fee structure, budget proposals of the finance committee and new initiatives for the future regarding the intake changes of any program are presented to GCC for approval. It has a robust framework for governance with the support of all committees.

Principal functions as the Head of the Institution based on the directions received from the GCC, the Principal executes decisions taken by GCC through various committees with the support and coordination of Dean and HOD's and manages the day-to-day affairs of the college. Heads of Department are the administrative head of the concerned department and ensure the smooth running of the department by setting goals and milestones of the department. They are responsible for timetables of each semester, upkeep and maintain records of the department, maintain laboratories, assets, assign duties and monitor faculty performance, verify faculty appraisal, benchmark the growth parameters, monitoring, mentoring of students by the mentors, identify and execute actions on departmental needs, prepare the team towards audits and compliance, monitor R&D and project activities of the department, ensure up keeping of departmental library, lead the team towards publications and IPR,MOU's from suitable industries.

Institutional bodies

For the institutes to operate effectively and efficiently, we have a the following list of institutional bodies;

1. Governing Council
2. Planning and Monitoring Board
3. Internal Quality Assurance Cell (IQAC)
4. Training and Placement Cell
5. Industry Institute Interaction Cell
6. Entrepreneurship Development& Intellectual Property Right Cell
7. Research & Development Cell
8. Instrumentation Cell
9. Examination Cell
10. Women Empowerment Cell
11. Fine Arts Club
12. Alumni Association
13. Public Relation Officer (PRO)
14. Anti-Ragging Committee
15. Discipline and Welfare Committee
16. SC/ST Committee
17. Grievence Redressal Committee
18. Electoral Literacy Club
19. Internal Complaint Committee

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

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	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

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 Institution provides effective welfare measures and routinely acknowledging their needs and demands for both teaching and non-teaching staff. Various welfare measures towards personal and professional growth are being followed to the satisfaction of the employees.

- As per the norms of AICTE, Pay commission recommendations are implemented.
- Employees are covered under EPF, ESI and Gratuity.
- Maternity and Medical leaves are sanctioned for the needy staff.
- Sanction of OD for Conferences, Workshops, FDPs, STTPs with financial support.
- All eligible employees will be given loans/advances like vehicle loans, personal loans, loan for children's education and marriage etc.,
- Reward for publication of papers/research articles and best research work.
- Faculty can avail 5 books from the library per semester.
- Support for education of the children of the teachers in the group institutions.
- Free accommodation and food for the staff staying in the hostels.
- Vehicle utilization or transport allowance for teaching and non-teaching staff.
- Incentive for dress materials for house keeping and supporting staff.
- Group insurance scheme for all the staff.
- On campus free full time medical facility with qualified Doctor available.
- Vacation for every semester.
- The college gives fee concession to the staff children for the entire study period.

Performance Appraisal

The Institution has a formal annual performance appraisal for both teaching and non-teaching staff conducted every year. Self-Appraisal is collected once in an academic year. At the beginning of the academic year the faculty appraisal format is shared by the HOD to all the teaching of the department so that faculty members are well aware of the appraisal measurement criteria. The faculty is required to submit the filled in pro forma of self-appraisal which is based on "Performance Based Appraisal System" as per UGC regulations

Evaluation of each staff member's appraisal report is based on the criteria like: work load, qualifications, experience, student feedback, Anna University exam results and pass percentage of the classes the teacher has taught, research papers published (national/ international), patents filed/obtained, projects work/dissertation and Ph.D. guided, UG projects guided, research projects applied/funded, FDPs conducted/attended, international/ national conferences/ seminars/ workshops conducted/ attended, pedagogy methods adopted/ followed details, administrative responsibilities, responsibilities for students cocurricular activities and university duties.

Student feedback is collected and assessed once in a semester. Every faculty self-appraisal is evaluated by HOD based on the above criteria and the same is forwarded to the Principal. The principal in consultation with HOD makes recommendations to the GCC. This system helps the staff in setting up new goals and self-assesses their strengths and weaknesses. In case of adverse remarks in the annual performance report, the employees are counselled and provided training to improve efficiency.

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

6.3.2

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

Response: 51.06

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

2022-23	2021-22	2020-21	2019-20	2018-19
80	81	79	94	26

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

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: 55.58

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

2022-23	2021-22	2020-21	2019-20	2018-19
81	88	89	111	59

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

2022-23	2021-22	2020-21	2019-20	2018-19
14	13	11	10	17

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization**6.4.1**

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

Response:

Funds are mobilized from the following resources.

1. Student Fees
2. ACMEC Trust
3. Additional funding sanctioned from various funding agencies such as AICTE, DRDO, etc., for research and seminar proposals submitted by various departments.
4. Funds received from the industries for consultancy work.

Budget Planning:

At the start of each financial year, the department heads should submit the budget requirements for approval. The budget committee reviews each department's requirements, creates a consolidated budget,

and sends it to management via the principal for approval. Depending on the needs, the management distributes the funding under a number of headings, including computer upgrades, network infrastructure, sports facilities, publication incentives, salaries, placement, campus maintenance, extension activities, etc.

Additionally, the management sets aside money for staff, faculty, and student training.

(OFF LINE MODE :Rs. 750/-per faculty member attending FDP, Rs. 500/- per faculty member for paper publication, Rs. 250/-per faculty member attending Symposium, workshop).

(ON LINE MODE :Rs. 300/-per faculty member attending FDP, Rs. 250/- per faculty member for paper publication, Rs. 250/-per faculty member attending Symposium, workshop)

Utilization:

The committee responsible for administration and finance takes care of accounts, expenditures, utilization, and budgets. They offer suggestions for more efficient resource management and successful fund mobilization.

Financial Audit:

Every financial year, the documents are eventually audited by the finance staff. An independent auditor is conducting the audits. The members of the finance team conduct internal audits continuously each month.

The auditing process is displayed below.

1. Expenses

- a. Vouchers, supporting bills and invoices are verified.
- b. Approvals and authorization are verified with Instructions
- c. Accountings of expenses according to the nature of the expenses are verified.
- d. Actual expenditure is compared with the Budget allocated to evaluate the variation.
- e. Statutory deductions such as TDS are verified.

2. All the fees pay-in-slips are vouched with the Bank statements.

3. Cash verification is conducted to verify the petty cash transactions.

4. Payroll statements along with the attendance registers are verified on monthly basis.

5. Fees receivable statements are verified with the books of account.

The ACMEC Trust statutory auditors typically carry out an external audit once a year.

The steps are provided below.

1. All the Expenses Vouchers and their supporting documents are verified.
2. Original Fixed Assets Purchase Invoices are verified and physical verification of statements and payments are verified.
3. Financial statements are audited accordingly.
4. Salary statements and payments are verified.

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

6.5 Internal Quality Assurance System

6.5.1

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

Response:

Adhiparasakthi Engineering College (APEC) establishes an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure as per the guidelines of the National Assessment and Accreditation Council (NAAC). Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realization of the goals of quality enhancement and sustenance.

The main aim of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, institutions need to channelize its efforts and measures towards promoting the holistic academic excellence including the peer committee recommendations.

Objectives

The aim of IQAC is,

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC shall evolve mechanisms and procedures for,

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks,
- Relevant and quality academic/ research programmes,
- Equitable access to and affordability of academic programmes for various sections of Society
- Optimization and integration of modern methods of teaching and learning
- The credibility of assessment and evaluation process
- Ensuring the adequacy, maintenance and proper allocation of support structure and services
- Sharing of research findings and networking with other institutions in India and abroad.

Functions

Some of the functions of the IQAC are,

- Development and application of quality parameters for various academic and administrative activities of the institution
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Collection and analysis of feedback from all stakeholders on quality-related institutional processes
- Dissemination of information on various quality parameters to all stakeholders
- Organization of workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality
- Periodical conduct of Academic and Administrative Audit
- Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

Benefits

IQAC will contribute to,

- Ensure clarity and focus in institutional functioning towards quality enhancement.
- Ensure internalization of the quality culture.
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices.
- Provide a sound basis for decision-making to improve institutional functioning.
- Act as a dynamic system for quality changes.
- Build an organised methodology of documentation and internal communication.

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

6.5.2

Quality assurance initiatives of the institution include:

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

Response: A. Any 4 or more of the above

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

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:

Adhiparasakthi Engineering College has initiated various measures for the promotion of gender equity in our campus. Irrespective of gender, all our employees have access to the same perks and opportunities, as well as equal compensation and benefits for roles that are similar in scope and responsibility. All students are encouraged to take on leadership roles in the classroom. There is a male and female representative for each class. All college level committees and student council have equal representation by both male and female students. In addition, the college uses extracurricular, co-curricular, curricular, and gender-sensitization programmes as well as ongoing efforts to promote gender equity. The curriculum includes mandatory courses related to Women and Gender Studies. Numerous co-curricular events such as symposia, conferences, hackathons, and sports and cultural events, are eagerly attended by female students. The Women Empowerment Cell regularly organizes events in which female instructors and students actively take part. We celebrate International Women's Day every year on March 8, to honour the contributions that women have made to society, politics and the economy. The institution is covered by security, around-the-clock, including girls' hostels and the security officers are stationed at key locations. The college locations are covered by a well-established electronic surveillance system through CCTV cameras. The students are advised against indulging in ragging of any form. Faculty and staff are assigned with anti-ragging duties at vulnerable points throughout the first semester. To handle any emergency, helpline numbers are posted throughout the campus. The "Grievance cum Redressal Committee" was set up to assist and counsel the students. It will enquire the grievances and suggests the final action to be initiated at the institutional level for the redressal of the same. Any student may approach the committee members, if he/she has any grievance regarding academic and non-academic matters and the committee will take up necessary action.

24x7 Medical facility is provided to the students by a multi-specialty hospital, which is 500 meters nearer to our institution and run under the Melmaruvathur Adhiparasakthi Institute of Medical Sciences and Research. Ambulance is available in the College campus to take students to hospital immediately. In addition, first aid boxes are kept in all the laboratories and medical insurance is also provided to cover all the students and their parents. To meet the needs of the students, student support service of our college is administered through an advisory system. Maximum 20 students are assigned to each faculty as faculty advisors. Students are allowed to contact the advisor to address their psychological & emotional issues as well as on issues related to academic and co-curricular activities. Transportation facilities are available to both boys and girls. The transport connects distant locales to facilitate girls, a hassle-free commutation to the campus. The college has installed an Incinerator for the disposal of sanitary pads in the Girl's Common Room as a step towards eco-friendly disposal mechanisms.

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

7.1.2

The Institution has facilities and initiatives for

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

Response: A. 4 or All of the above

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

7.1.3

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

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

Response: A. All of the above

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

7.1.4

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

Response:

National Service Scheme, community service and outreach programmes are carried out, instilling in our staff and students a feeling of social responsibility. Through these activities, a sense of inclusivity, constitutional duties as a decent citizen, and empathy for linguistically and culturally diverse populations are infused. Annual Blood Donation Camps are held in the campus and blood donation is given at the nearby hospitals as needed. Additionally, there are regular awareness campaigns on campus and in the surrounding villages to encourage interpersonal harmony and foster an appreciation of our socioeconomic variety. Computer systems are donated to improve the quality of education for students attending the government schools in the surrounding community. By giving training to individuals from different sections of the neighbouring communities, we share our skills and help them become self-sufficient in their means of subsistence. We proactively plan social welfare events in the neighbouring villages, like "SWACCH BHARATH" and white-washing government schools. Volunteers from our staff and students control the crowds during religious events like Thaipooam and Aadipooram in Melmaruvathur. Public awareness campaigns, including anti-drug rallies, speeches, and drawing contests to raise awareness of drug dangers, environmental pollution, etc., are routinely held in government schools and the nearby villages. Programmes to advance science awareness and higher education are also carried out to raise awareness of science among local schoolchildren from disadvantaged backgrounds. In order to increase the amount of greenery on campus and in the surrounding areas, we also plan environmental conservation events like planting tree saplings. Courses like "Environmental Sciences & Sustainability," "Water Supply and Wastewater Engineering," and "Hydrology and Water Resources Engineering" are taught in the curriculum to emphasise the significance of mitigating the effects of climate change on the ecosystem and to prepare the students to quantify, regulate, and manage water resources. By commemorating significant occasions like Republic Day, Independence Day, and Kargil

Vijay Diwas, we take use of the opportunity to educate the people about the rights, obligations, and values outlined in the Constitution. Every year on March 8th, we celebrate International Women's Day, to honour the contributions made by women to society, politics, and the arts. To educate the public about the value of voting and civic involvement, Election Awareness Rallies are organized every year. Periodically, the institution also hosts awareness campaigns about Swachh Bharat Abhiyan and rainwater harvesting. Festivals like Pongal, Ayutha Pooja, Christmas, and Ramadan are also annually celebrated by our institution's faculties and students. There are also tree planting initiatives, yoga classes, health awareness programs, and environmental awareness events. Constant emphasis has also been placed on the necessity of creating an environment that is free of plastics.

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

7.2 Best Practices

7.2.1

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

Response:

Best Practices: 1 Eco-friendly Environment

We have successfully implemented practices to establish an Eco-Friendly Environment and to foster Research Excellence among the students and faculties. Involving stakeholders in the process of making the campus clean and green would promote dialogue and idea sharing regarding the Sustainable Development Goals among educators, administrators, and students. To support the objective of a green campus, APEC has introduced a number of sustainable initiatives in this regard. The buildings of the Institution have been designed with energy-efficient features in mind. All the electrical appliances are with energy stars for ensuring lower energy costs and less emissions. Conventional bulbs are gradually being replaced by LED bulbs as well. The eco-club regularly organises awareness campaigns to teach students, staff, and locals about sustainable living. Stickers and posters are placed in strategic locations, such as parking lots and toilets, to encourage people to conserve resources like water and energy. Roof Top Solar power plants are installed in the campus. The campus is subject to recurring energy audits in an effort to promote environmental awareness among administrators at all levels. The institution has implemented efficient solid, liquid and e-waste management systems. The College has a Sewage Treatment Plant with a capacity of 3 Mega Liters per Day (MLD) and the treated water is utilized for landscape maintenance. The college ensures rain-water conservation through rainwater harvesting. E-

waste from labs is properly collected and reused wherever possible or given to the licensed recycler.

Best Practices:2 Fostering Research Excellence

To foster Research Excellence, several new measures have been initiated in our institution in order to promote various dimensions of research activities. Faculty members are also informed that a research contribution's output need not result in publication on its own. Hence, other possible outcomes of research work including obtaining research grants, research monographs, collaborative research projects, grant of patents & industrial consultancy are also encouraged. In order to promote excellence in research, research centers have been established in the departments of EEE, ECE, Mechanical and Civil Engineering. Major equipment are made available always for research on request. There are 12 faculties who have registered themselves as research supervisors in Anna University and guiding the research scholars from these research centers. So far 74 research scholars have completed their doctoral research from these research centers and 38 research scholars are pursuing their PhDs. Among our faculty members, 30 numbers of faculties have completed their PhDs and 15 numbers of faculties are pursuing their PhDs. Besides the research scholars, the UG and PG students are also encouraged to participate in the on-going research activities with the guidance of faculty members. All these research outcomes indicate that, motivation of students and faculty members to pursue quality research have yielded positive results both to the institute and to them.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

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

Response:

Adhiparasakthi Engineering College is dedicated to fostering the academic success and career readiness of its students through comprehensive support and abundant opportunities. The college is dedicated to improving its students' employability by providing them with the professional demeanour, industry knowledge, and hands-on training required to excel in their chosen industries after graduation. In an

effort to improve students' employability, we are running programmes that are intended to add to the standard curriculum by providing extra information and skills that employers in the modern workforce highly value. Students who take part in these programmes can enhance their career possibilities, obtain a competitive advantage in the labour market, and better equip themselves to meet the demands of employers. Students are also encouraged to participate in internships, which allow them to put their academic knowledge to use in real-world situations. By doing so, they can obtain invaluable practical experience and build critical abilities that employers greatly value. Students are exposed to the most recent advancements in their field through the regular organisation of national level conferences, technical symposiums, hands-on training and workshops, guest lectures by notable individuals, and hands-on learning experiences. Improvements are visible in terms of student participation in events such as technical quiz competitions, best project competitions, paper and poster presentations. Our college has a separate "Placement and Training cell" staffed by placement officers, aptitude trainers, and soft skill trainers to ensure that students are properly instructed and prepared for their campus interviews. Beginning in the first semester, we have offered a variety of placement and training programmes, with a focus on enhancing technical skills, soft skills, aptitude, and communication skills. By the end of the academic year at our institution, all qualified students had been placed in renowned firms thanks to these training programmes. We have chapters of IEEE, Computer Society of India (CSI), and ISTE, all of which are active in keeping students and faculty members up to date on technological topics. They accomplish this by frequently hosting seminars, special lectures by notable industry figures, group discussions, and workshops. Academics and sports are regarded as equally important. Students get strong physically and intellectually on a variety of indoor and outdoor courts, which tangentially enhances their academic abilities. In the Anna University Inter Zonal Sports, our college teams have won numerous games and taken home the Overall Championship. Student organisations like the fine arts club, YRC, and NSS work to instil a sense of service consciousness in their peers by organising frequent social service events and holding camps in neighbouring communities.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

Through excellent technical education, we promote "BELIEVE IN THE POSSIBILITIES" and foster an environment.

To achieve its goal for the institution an excellent repository of engineering science and technology knowledge, the institution will work diligently to provide or establish a successful practice of quality assurance. This will involve regular monitoring, assessment, and correction of the quality of education provided to students as well as the promotion of efficient teaching-learning strategies for the mutual benefit of both teachers and students.

Best in class standards and practices of good governance to bring in transparency of operations and improve credibility at all levels.

Skills among students are developed through Interactive Teaching–Learning Process, Corporate exposure by Industry Internship, and project work and thus make them ready to get into the industry soon after the completion of their course.

APEC is committed to providing educational opportunities in engineering disciplines by exposing students to the latest technologies, maintaining a healthy competitive environment, developing confidence, and exploring potential talent for meritorious leadership.

The Internal Quality Assurance Cell (IQAC) of the Institution is formed which is chaired by the IQAC Coordinator and the Cell has started to monitor the attainment of Vision and Mission of the Institution. The Cell proposes necessary changes then and there for continuous improvement and quality assurance.

Concluding Remarks :

In view of meeting the vision and mission of our institution, our organization develops abilities and characteristics to pick esteem added courses, delicate expertise projects and potential chances to learn new things. Our Management has a decent criticism framework through which the complaints are figured out in time and ideas are considered for the improvement of the establishment. Our mentor framework has been exceptionally powerful and it has been standardized as quite possibly the best practice. Parent - Teachers' meetings pave way for improvement in scholastics and discipline.

In future, we wish to further develop our research activities including working on the quantity of patent filings, foundation of exploration focuses in all divisions, to accomplish scholarly greatness and advance new businesses in the organization. Getting NAAC certification will be critical in the achievement of our establishment in scholastics and further supports accomplishing independent status through which the educational plan improvement is plausible for incorporating ongoing advances winning in the enterprises and making it workable for the upliftment of the provincial understudies of our region to meet the worldwide requirements.

“EVEN THOUGH WE HAVE MADE A LOT OF PROGRESS, OUR JOURNEY INTO HIGHER EDUCATION GOES ON”.

