



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ANNAI MIRA COLLEGE OF ENGINEERING AND TECHNOLOGY

**NH-46, CHENNAI BENGALURU NATIONAL HIGHWAYS ARAPAKKAM
632517**

www.amcet.in

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Annai Mira College of Engineering and Technology (AMCET), Vellore is an Engineering College started in 2012 under the R.T. Educational Trust, Vellore. It is situated in a sprawling campus of 25 acres in the Chennai-Bengaluru National Highways where many of the Government Buildings, Commercial Buildings and Hospitals are located.

Mr. S. Ramadoss, as the Founder & Chairman of AMCET, has demonstrated exceptional foresightedness and leadership, while Mr. G. Thamothisan, serving as the Secretary & Treasurer, has contributed significantly to the efficient administration of the college. Their collaborative efforts have resulted in the development of AMCET into an institution equipped with outstanding facilities.

The college boasts spacious classrooms and seminar halls, providing conducive environments for learning and intellectual exchange. Its well-equipped laboratories facilitate hands-on experimentation and practical learning experiences. Additionally, the provision of excellent sporting amenities promotes holistic development among students.

The dedication to providing high-speed internet connectivity underscores the commitment of AMCET towards embracing technological advancements and facilitating digital learning. Moreover, the presence of a qualified and experienced faculty ensures that students receive quality education and mentorship.

The physical infrastructure of the college is also noteworthy, with three Academic Blocks accommodating various departments and an administrative building that stands as an architectural masterpiece, serving as a landmark in the city of Vellore.

Overall, under the visionary guidance of Mr. S. Ramadoss and the resourcefulness of Mr. G. Thamothisan, AMCET has emerged as a distinguished educational institution, offering a conducive environment for academic excellence and holistic development. All this had been meticulously designed environment aimed at fostering creativity and intellectual growth, ultimately leading to outstanding outcomes.

AMCET, a premier Institution; a hub for creativity and innovative ideas in engineering, with an aim to educate youth in Engineering & Technology. AMCET, as an institution affiliated with Anna University, is committed to providing quality education in engineering. Currently, the college offers five undergraduate (B.E.) programs of study. These programs have received approval from the All India Council for Technical Education (AICTE), New Delhi, ensuring that they meet the standards set for technical education in India.

Vision

Vision

Our vision is to become the most preferred engineering college in Tamil Nadu by creating a student-centric ecosystem that fosters excellence

Mission

Mission

Academic Excellence:

We strive to achieve academic excellence by securing a top-five positions in Anna University's academic rankings and producing several Anna University gold medallists.

Industry Readiness:

We are committed to continuously up skilling our students from the very first year of the program, in line with the expectations of leading companies. By doing so, we aim to create skilled engineers capable of solving complex problems and providing sustainable livelihoods. Our ultimate goal is to ensure placements in our students' dream companies.

Industry Collaboration:

We believe in the importance of building strong relationships with leading companies. To achieve this, we actively establish Memorandums of Understanding, Centres of Excellence, Internships, and Industry-Sponsored Projects.

Innovation Ecosystem:

We encourage our students and faculty members to engage in innovation and start up activities through our campus following the National Innovation and Start up Policy (NISP) and Institutions Innovation Council Framework. We believe this approach will inspire creativity and help shape our students into innovative leaders of the future.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Management commitment to quality.
2. Highly qualified and experienced faculty.
3. Effective teamwork among faculty and staff.
4. Enriched curriculum with value-added courses.
5. Well-equipped infrastructure including laboratories and ICT classrooms.
6. Industry-oriented training programs.
7. Focus on research and publishing papers.
8. UGC recognition under section 2(f).
9. Opportunities for students in curricular and co-curricular activities.
10. MOUs with industrial and research organizations.

Institutional Weakness

1. Insufficient research infrastructure.
2. Academic inflexibility.
3. Limited government funding due to self-financing'
4. Lack of industrial consultancy.

Institutional Opportunity

1. Competing with top institutions in TamilNadu
2. Attaining funding from various agencies.
3. Developing collaborative programs with industries and R&D organizations.
4. Pursuing autonomous status.
5. Providing training opportunities in PSUs.
6. Organizing campus drives with reputed companies.

Institutional Challenge

1. Curriculum development.
2. Competition with established institutes.
3. Securing research funding.
4. Updating labs with technological advancements.
5. Attracting top-tier students.
6. Engaging alumni.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Annai Mira college of Engineering & Technology (AMCET) is an affiliated college adheres to the curriculum prescribed by the ANNA UNIVERSITY (AU). The Institute delivers the curriculum according to department calendar which is prepared in accordance with institute's calendar followed by academic calendar of the university. The institute also caters the needs of the students with regarding add-on programs, value added Courses and Certificate courses to bridge the gap between curriculum and the industry needs.

The institute's Vision and Mission statements, PEOs, POs, PSOs and COs are exhibited at appropriate locations so as to reach the stakeholders. The Institute has strategic planning for effective implementation of the curriculum by focusing ICT based delivery. Besides, the activity is made comprising curricular, co-curricular and extra-curricular activities. Every faculty member with proper planning does the course contents, course outcomes and identification of curriculum gaps that are based on pre defined POs and COs keeping in line with

the vision and mission of the institute.

The academic flexibility is provided to the students by offering various elective courses. The final year students undergo field projects and internships every year. The faculty members are encouraged to take part in Faculty Development Programs, Seminars and Workshops conducted by renowned institutions. The institution invites experts from the established Organizations in order to conduct various skill development training programs for the benefit of the students as well as the faculty. For the improvement of the quality, frequently the feedback is collected from all the stakeholders like students, parents, alumni and employers about the academic performance and completion of the syllabus.

The faculty members are instructed to prepare course file and provide the same for the students on the commencement of the semester. The course file contains course outcomes, syllabus, and complete schedule of the topics that are to be covered during the semester period. Apart from the above students are encouraged and supported by the training and placement department which undertakes internships and industry related programs.

Teaching-learning and Evaluation

AMCET adopts and strictly follows all the norms of ANNA UNIVERSITY in enrolling the students in accordance with the seats sanctioned. Students of the reservation category are admitted to the institution based on the regulations framed by the State Government. Besides,

AMCET organizes Orientation Program to enable them to understand the basics of all subjects of first year UG program. AMCET is very keen in identifying the advanced, slow learners and frames special programs to enhance their academic skills. Advanced learners have the programs like AI & ML, PYTHON, AMCAT, AWS and Soft skills and aptitude. Slow learners attend remedial classes and their performance is continuously monitored for each subject.

AMCET follows the student-faculty ratio as per the norms of the AICTE. To enhance the teaching-learning experiences of the students, they include Experiential, Participative learning and Problem-solving methods. All the classrooms and laboratories are equipped with ICT facilities like projectors, LED screens to provide more effective, efficient teaching and training.

AMCET has a student and mentor ratio of 20:1 as per the norms of affiliated university. All the mentors are very keen in providing moral support to the students in their academics and in personal aspects too if necessary. AMCET maintains 100% fulfilment of posts sanctioned for full-time teachers. Internal Question papers are framed based on the BLOOMS TAXONOMY. All the data pertaining to the pass percentage of the students is maintained in the examination branch. Students are free to bring the grievances pertaining to valuation and results and the same are solved within a day.

AMCET conducts internal examinations twice per semester in offline mode. The major and mini projects done by the students are reviewed twice and technical seminars are reviewed once. Students who are desirous of improving want to improve their performance and the absentees of the examinations can attend CBT (Computer

Based Test) and cover the lapses.

AMCET takes utmost care about 100% attainments COs and POs by students of all B.Tech Programs. AMCET conducts online survey of the students regarding teaching, learning process and required measures for improvement are implemented immediately

Research, Innovations and Extension

- The institution received INR [insert amount] lakhs in grants over the past five years from both government and non-governmental agencies for research projects and endowments.
- Innovation Ecosystem: The institution has fostered an innovation ecosystem, evidenced by [insert number] patents filed, [insert number] published works, and the presence of an incubation center, facilitating the creation and transfer of knowledge.
- Workshops/Seminars/Conferences: Over the last five years, the institution conducted [insert number] workshops, seminars, and conferences focusing on research methodology, intellectual property rights, and entrepreneurship to enhance the knowledge and skills of faculty and students.
- Research Publications: On average, each teacher published [insert number] research papers in journals notified on the UGC website during the specified period.
- Books and Conference Papers: Each teacher contributed [insert number] books/chapters and papers to national/international conference proceedings during the past five years.
- Extension Activities: The institution actively engaged in extension activities within the community, addressing social issues and contributing to students' holistic development, with notable impacts observed over the specified period.
- Awards and Recognitions: The institution received [insert number] awards and recognitions from government or recognized bodies for its extension activities during the past five years.
- Extension and Outreach Programs: The institution conducted a total of [insert number] extension and outreach programs through NSS/NCC/Red Cross/YRC, including collaborations with industry, community, and NGOs, focusing on various societal issues such as Swachh Bharat, AIDS awareness, and gender issues.
- MoUs and Collaborations: Over the last five years, the institution established [insert number] memoranda of understanding (MoUs), collaborations, and linkages for various academic activities such as faculty and student exchange, internships, field trips, and research collaborations.

Infrastructure and Learning Resources

The institution boasts excellent facilities to support various aspects of teaching, learning, and student development:

- **Classrooms and Seminar Halls:** With modern amenities, each classroom provides a conducive environment for teaching and learning, while spacious seminar halls accommodate large gatherings and ICT facilities enhance presentations and project showcases.
- **Laboratories:** Equipped with the latest equipment and software, the laboratories ensure hands-on

learning experiences, complemented by safety measures and multiple power supply options.

- **Sports Facilities:** Extensive and well-equipped sports facilities encourage student participation in a wide range of sports, with special attention given to those aspiring for careers in sports.
- **Cultural Activities:** Opportunities for students to showcase their talents in various cultural activities are provided through college cultural festivals, fostering a vibrant and creative atmosphere.
- **Yoga and Gymnasium:** Yoga sessions and a well-equipped gymnasium promote physical and mental well-being among students, enhancing their overall fitness and academic performance.
- **Transport and Canteen:** An extensive bus fleet ensures convenient transportation for students and staff, while hygienic canteen facilities offer nourishing meals in a comfortable dining setting.
- **Miscellaneous Facilities:** Additional amenities such as wheelchair accessibility, RO water plant, fire extinguishers, CCTV surveillance, solar and bio-gas plants, and rainwater harvesting contribute to a safe and sustainable campus environment.

Student Support and Progression

The institution's dedication to student support, safety, and holistic development. Here's how the institution excels in these areas:

- **Financial Support:** The institution offers scholarships and grants, enabling diverse students to access education without financial barriers, fostering inclusivity and empowerment.
- **Capacity Development:** Through various skill enhancement activities, students gain practical skills enhancing their employability and overall development.
- **Guidance for Competitive Examinations:** The institution provides guidance and support for competitive exams like GATE, CAT, GRE, TOFEL, and IELTS, leading to successful admissions in renowned universities worldwide.
- **Safe Environment:** With dedicated committees such as the Grievance Redressal Cell, Internal Complaints Committee, and Anti-ragging Committee, the institution ensures prompt resolution of student complaints, including cases of sexual harassment or grievances.
- **Training and Placement Opportunities:** The Training and Placement Cell collaborates with numerous companies annually, offering students ample opportunities to embark on their careers.
- **Promotion of Sports and Cultural Activities:** The institution encourages participation in sports and cultural events, providing robust infrastructure and expert mentoring to foster student excellence in these areas, contributing to a vibrant campus life.
- **Alumni Engagement:** Strong ties with alumni reflect the institution's commitment to nurturing enduring relationships and supporting students beyond their academic journey.

Overall, the institution's holistic approach to student support, safety, and development aligns with NAAC's standards, ensuring a conducive and enriching educational experience for all students

Governance, Leadership and Management

The Annai Mira college of Engineering & Technology (AMCET) demonstrates a strong commitment to its

vision and mission through various institutional practices that address the needs of all stakeholders. Key aspects of the institution's governance and operational practices include:

- **Participatory Decision-Making:** AMCET believes in participatory decision-making and encourages staff and students to participate in decision-making processes. Various committees, including the Governing Body, IQAC, Academic Committee, and others, meet regularly to make decisions collaboratively.
- **Empowerment of Faculty:** The institution empowers its faculty through seminars, faculty development programs (FDPs), and in-house programs conducted by inviting experts from reputed institutes and industry. Additionally, staff members are promoted for higher education and research and development activities.
- **Welfare Policies:** AMCET has well-formulated welfare policies in place to ensure the well-being of its employees, contributing to their personal and professional growth.
- **Transparency and Accountability:** The adoption of e-governance systems for administration, finance, accounts, student admission and support, and examination modules ensures transparency in operations. Additionally, the institution undergoes regular internal and external audits by certified statutory auditors for financial management and compliance.
- **Quality Assurance:** AMCET has established an Internal Quality Assurance Cell (IQAC) comprising Heads of Departments (HoDs) and senior faculty members. The IQAC periodically reviews the teaching and learning process to ensure adherence to academic calendars and quality standards. Orientation and induction programs for staff and students are organized annually based on IQAC recommendations.

Overall, AMCET'S governance and operational practices reflect its commitment to excellence, transparency, and continuous improvement in providing quality education and fostering the holistic development of its stakeholders.

Institutional Values and Best Practices

The institution prioritizes human values and best practices, shaping graduates who are not only technically proficient but also imbued with strong ethical values. Here's how the institution demonstrates its commitment to these principles:

- **Promotion of Human Values:** The institute fosters human values among its students and staff, emphasizing gender equity, safety, and counseling. Socially relevant activities are organized to promote awareness and sensitivity.
- **Eco-Friendly Practices:** A strong emphasis is placed on eco-friendly practices such as waste management, plastic-free campus initiatives, and the adoption of solar and rainwater harvesting systems. LED lighting, natural lighting, and ventilation designs minimize energy consumption.
- **Green Campus:** The campus is adorned with lush green grounds and trees, contributing to a clean and healthy environment. Solid, liquid, and e-waste management follows green building standards, ensuring responsible disposal.
- **Accessibility for Physically Challenged:** Facilities such as ramps, accessible washrooms, and human assistance are provided for physically challenged individuals, promoting inclusivity and accessibility.
- **Code of Conduct:** A prescribed code of conduct for students and teachers is prominently displayed on the college website and within the campus, fostering a harmonious and respectful environment.

- **Organizing Events:** The institution organizes various national and international events, commemorative days, and festivals to promote harmony and goodwill among students, staff, and the community.
- **Encouragement of Student Participation:** Students are encouraged to participate in academic, non-academic events, sports, and student clubs, fostering their holistic development and contributing to the distinctiveness of the institution.

Through these practices, the institution maintains its distinctiveness and contributes to the holistic development of its stakeholders while upholding principles of sustainability, inclusivity, and ethical conduct.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ANNAI MIRA COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	NH-46, CHENNAI BENGALURU NATIONAL HIGHWAYS ARAPAKKAM
City	RANIPET
State	Tamil Nadu
Pin	632517
Website	www.amcet.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	T.K.GOPINA THAN	4172-292926	9994890142	4172-292925	amcet.rtet@gmail.com
IQAC / CIQA coordinator	SARAVANA N D	-	9952542341	-	viceprincipal@amcet.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		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	21-06-2023	12	Yearly Extension of Approval

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	NH-46, CHENNAI BENGALURU NATIONAL HIGHWAYS ARAPAKKAM	Rural	10.1	18942

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering,	48	HSC	English	30	13
UG	BE,Computer Science And Engineering,	48	HSC	English	90	90
UG	BTech,Artificial Intelligence And Data Science,	48	HSC	English	60	60
UG	BTech,Information Technology,	48	HSC	English	60	60
UG	BE,Electrical And Electronics Engineering,	48	HSC	English	30	24
UG	BE,Electronics And Communication Engineering,	48	HSC	English	60	60
UG	BE,Mechanical Engineering,	48	HSC	English	30	16
PG	MBA,Master Of Business Administration,	24	HSC	English	60	26

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	8				23				80			
Recruited	4	4	0	8	11	12	0	23	30	50	0	80
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				22
Recruited	19	3	0	22
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				8
Recruited	7	1	0	8
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.	3	4	0	2	4	0	0	0	0	13
M.Phil.	0	0	0	5	2	0	3	9	0	19
PG	1	0	0	4	5	0	27	42	0	79
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	511	0	0	0	511
	Female	317	0	0	0	317
	Others	0	0	0	0	0
PG	Male	19	0	0	0	19
	Female	6	0	0	0	6
	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	20	20	15	7	
	Female	13	11	14	14	
	Others	0	0	0	0	
ST	Male	0	0	0	0	
	Female	1	0	1	0	
	Others	0	0	0	0	
OBC	Male	184	123	88	56	
	Female	116	68	37	31	
	Others	0	0	0	0	
General	Male	4	6	4	3	
	Female	11	2	1	3	
	Others	0	0	0	0	
Others	Male	0	0	0	0	
	Female	0	0	0	0	
	Others	0	0	0	0	
Total		349	230	160	114	

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>At the Annai Mira College of Engineering and Technology, a diverse range of engineering and management programs are offered, contributing to the university's multidisciplinary status. The programs follow the Choice Based Credit System (CBCS) structure, where courses are categorized as Core, Professional Elective, and Open Elective, Skill-Based, or Value-Based, each with assigned credits. Experiential learning is integrated into both undergraduate (UG) and postgraduate (PG) programs through projects, field trips, study tours, and internships. Additionally, environmental studies are a mandatory course for all UG students, emphasizing eco-consciousness and value education. The institution adheres to guidelines set by the parent university regarding program entry requirements and duration. Students are encouraged to pursue multidisciplinary research to address present challenges effectively. Each program also offers non-major elective courses, allowing students to explore diverse domains. As the university governs program norms and authorizes offerings, the institution operates within those parameters, including limitations on repeated admissions and exits. This approach ensures a structured and comprehensive educational experience aligned with university standards, fostering students' overall growth and readiness to tackle contemporary challenges through multidisciplinary approaches. AMCET offers undergraduate (UG) and postgraduate (PG) programs in various disciplines of engineering and technology, following the curriculum prescribed by the affiliating university, AU. The curriculum covers a range of courses, including basic courses, program core courses, electives, and open electives, fostering a multidisciplinary or interdisciplinary approach. Students across all disciplines study these courses alongside mandatory ones, aiming to enhance their abilities and skills to address complex problems in both core and multidisciplinary/interdisciplinary areas. This comprehensive curriculum ensures that learners gain a broad understanding of their field while also acquiring specialized knowledge in specific areas of interest</p>
2. Academic bank of credits (ABC):	<p>The Academic Bank of Credits (ABC) is a virtual repository managed by the University Grants Commission (UGC) to store information about</p>

credits earned by individual students throughout their academic journey. This online platform allows students to open accounts and offers multiple options for entering and leaving universities, promoting seamless mobility between or within degree-granting Higher Education Institutions (HEIs). The ABC facilitates a formal system of credit recognition, accumulation, transfer, and redemption, promoting distributed and flexible teaching-learning practices. Affiliated universities, such as AMCET, maintain the ABC facility, enabling the transfer of credits earned by students when they choose to enter or leave the university. This initiative aims to enhance student mobility and provide opportunities for continuous learning and academic advancement. The Academic Bank of Credits (ABC) allows students enrolled in undergraduate and graduate degree programs to leave and rejoin within a predetermined timeframe, promoting flexibility in academic pathways. As an affiliated institution, our college follows the guidelines set by the affiliating university regarding the implementation of the ABC system. Initial steps have been taken to facilitate the registration process for ABC, ensuring accessibility for all students. Faculty members are encouraged to provide insightful recommendations for curriculum development, with senior educators contributing to curricular enrichment through their roles in the university's Board of Studies. Each student is provided with an individual Academic Bank Accounting digital form, along with a unique ID and access to the Standard Operating Procedure (SOP) for ABC. The ABC Regulations support blended learning by enabling students to earn credits from various HEIs and online platforms such as SWAYAM and NPTEL. Instructors are encouraged to adopt learner-centered approaches in teaching, with the freedom to access additional resources beyond prescribed textbooks and reference materials. Assessment criteria, both internal and external, strictly adhere to the guidelines prescribed by the affiliating university. This ensures consistency and fairness in evaluation processes across all programs and institutions under the ABC system.

3. Skill development:

Skill development is generally used to refer to the productive capabilities acquired through all levels of learning and training, occurring in formal, non

	<p>formal, informal and on-the-job- settings. Skill development can reduce unemployment and Underemployment, increase productivity and improve standards of living. Helping people develop and update their skills makes economic sense. AMCET has MoUs with various organizations and provides an opportunity for all the learners to enhance their skill set through training, fieldtrips, internships, project works, seminars and workshops. Apart from these events, AMCET offers various technical training programmes through Infosys Springboard, Technical Hub (T-Hub) and Industrial visits are organized for Students to synchronize theoretical concepts with the real world processes. Affiliating University prescribed skill/job oriented courses, MOOC courses in its curriculum which are being implemented. Apart from this, students and faculty members are encourage to take SWAYAM/ NPTEL courses to improve their knowledge and skills. AMCET recognizes the importance of equipping engineering students with interdisciplinary skills and has implemented various initiatives to achieve this goal. In addition to the laboratory facilities mandated by the regular curriculum, the college has established technology centers within its premises. These centers provide students with additional training opportunities beyond the standard curriculum. Furthermore, AMCET offers value-added courses prescribed by the affiliating university across different disciplines, allowing students to earn academic credits while acquiring valuable skills. In addition to skill training courses, the college also organizes awareness lectures and hands-on training sessions for school and polytechnic students, free of cost. These initiatives not only benefit AMCET students but also contribute to the broader community by empowering aspiring engineers with essential skills and knowledge.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>It's commendable that our institution is actively promoting and integrating local languages, arts, and cultures into its activities. Here are some additional suggestions to further enhance this effort: 1. *Language Learning Initiatives*: Offer language learning courses or workshops for students interested in learning regional languages spoken in the area. This could include spoken Tamil classes or workshops on writing in regional scripts. 2. *Cultural</p>

	<p>Exchange Programs*: Organize cultural exchange programs with other colleges and schools to facilitate interaction and mutual understanding among students from different linguistic and cultural backgrounds. These programs could involve language immersion experiences, cultural performances, and collaborative projects.</p> <p>3. *Cultural Awareness Workshops*: Conduct workshops or seminars on various aspects of regional culture, including history, literature, art, music, and cuisine. Invite local scholars, artists, and performers to share their expertise and experiences with students.</p> <p>4. *Community Engagement Projects*: Encourage students to participate in community engagement projects that involve collaborating with local communities to preserve and promote indigenous languages, arts, and traditions. This could include documenting oral histories, organizing cultural festivals, or supporting local artisans.</p> <p>5. *Language and Culture Clubs*: Establish language and culture clubs on campus where students can come together to practice speaking regional languages, participate in cultural activities, and organize events celebrating diverse cultural heritage.</p> <p>6. *Cultural Competitions*: Organize inter-college cultural competitions or festivals where students can showcase their talents in areas such as traditional dance, music, drama, and art. This provides a platform for students to express themselves creatively and learn from each other's cultural traditions. By implementing these initiatives, your institution can further enrich the cultural and linguistic diversity on campus and foster a more inclusive and vibrant learning environment for all students.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Outcome-based education (OBE) is an approach to teaching and learning that focuses on defining specific learning outcomes or objectives and then designing educational activities, assessments, and curriculum to achieve those outcomes. Here's a breakdown of the key components and benefits of outcome-based education:</p> <p>1. *Defining Learning Outcomes*: OBE begins with clearly defining what students should know, understand, and be able to do by the end of a course or program. Learning outcomes are specific, measurable, achievable, relevant, and time-bound (SMART), providing clear targets for both educators and students.</p> <p>2. *Aligning Curriculum and Assessment*: Curriculum design in</p>

	<p>OBE is based on the identified learning outcomes. Educational activities, assignments, and assessments are carefully aligned with these outcomes to ensure that students have opportunities to achieve the desired competencies. Assessments are designed to measure student attainment of the specified outcomes.</p> <p>3. *Student-Centered Approach*: OBE places students at the center of the learning process, focusing on their mastery of knowledge and skills rather than just covering content. Students are actively engaged in setting goals, monitoring their progress, and reflecting on their learning outcomes.</p> <p>4. *Continuous Improvement*: OBE emphasizes continuous improvement and feedback loops. Assessment data are used to identify areas for improvement in the curriculum, teaching methods, and student support services. This iterative process ensures that the educational experience remains relevant and effective.</p> <p>5. *Real-World Application*: OBE encourages the integration of real-world applications and practical experiences into the curriculum. Students are challenged to apply their knowledge and skills to solve authentic problems, preparing them for success in their future careers and endeavors.</p> <p>6. *Quality Assurance*: OBE provides a framework for quality assurance and accountability in education. By clearly defining learning outcomes and assessing student achievement, educators can demonstrate the effectiveness of their programs and ensure that graduates are well-prepared for their chosen fields.</p> <p>Overall, outcome-based education offers a systematic and learner-centered approach to teaching and learning, with a focus on clearly defined learning outcomes, alignment of curriculum and assessment, student engagement, continuous improvement, real-world application, and quality assurance. By adopting OBE principles, educational institutions can better prepare students for success in a rapidly changing world</p>
6. Distance education/online education:	<p>Our institution has adapted and thrived during the challenges posed by the COVID-19 pandemic. Here are some key benefits and advantages of embracing online learning and virtual platforms:</p> <p>1. *Continuity of Education*: By shifting classes online, organizing webinars, and conducting faculty development programs virtually, your institution ensured that the learning process continued uninterrupted despite the</p>

lockdown restrictions. This helped students stay engaged and motivated to continue their education. 2. ***Flexibility and Accessibility***: Online learning platforms such as NPTEL and Udemy offer a wide range of courses that students and faculty members can access at their convenience. This flexibility allows individuals to learn at their own pace and schedule, accommodating different learning styles and preferences. 3. ***Skill Development and Upgradation***: Engaging in online courses and virtual learning opportunities enables students and faculty members to enhance their skills and stay updated with the latest developments in their respective fields. This continuous learning fosters personal and professional growth. 4. ***Geographical Reach***: Virtual platforms break down geographical barriers, allowing your institution to reach a wider audience beyond its physical location. This expands the reach and impact of educational initiatives, attracting students and participants from diverse backgrounds and locations. 5. ***Cost-Effectiveness***: Conducting activities in virtual mode can be more cost-effective compared to traditional in-person events. It reduces expenses related to travel, venue rental, and logistics, making it a more sustainable and efficient option for organizing conferences, meetings, and workshops. 6. ***Innovation and Experimentation***: Embracing virtual platforms encourages innovation and experimentation in teaching and learning methods. It opens up new possibilities for interactive and collaborative learning experiences, such as virtual laboratory classes, simulations, and multimedia presentations. Overall, leveraging online learning and virtual platforms enables your institution to adapt to changing circumstances, enhance accessibility, promote continuous learning, reach a broader audience, and foster innovation in education delivery. By embracing these opportunities, your institution can continue to excel and thrive in the digital age.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?

The formation of the Electoral Literacy Club at Annai Mira college of Engineering and Technology is a commendable initiative. By establishing this club, the

	<p>institution is providing students with a platform to engage actively with the national electoral system, thereby fostering a sense of responsibility and civic engagement among the student body. The club's objective to raise awareness about the electoral process and the importance of voting is crucial in cultivating informed and responsible citizens. Encouraging students to exercise their voting rights not only empowers them but also strengthens the democratic fabric of the nation. Through various activities and initiatives, the club can play a significant role in promoting electoral literacy and participation among students. By instilling values of citizenship and democratic participation, the Electoral Literacy Club at Annai Mira college of Engineering and Technology contributes to the broader goal of nation-building. It empowers students to become active agents of change and advocates for a better future.</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, student's co-ordinator and co-ordinating faculty members are appointed by the College and the ELC is functional and the awareness sessions are conducted periodically on the admission of new batches. The student coordinator for the academic year are: A.Austin Raj Second Year (EEE) V.Charumathi Second Year(CSE) co-ordinating faculty Mr.R.Lakshmi pathi, Professor, Mechanical Engineering Mrs.V.Sivasankari, Professor, Civil Engineering</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>The Electoral Literacy Club (ELC) at Annai Mira college of Engineering and Technology is taking proactive steps to engage students and the wider community in the electoral process. The various initiatives planned and conducted by the club demonstrate a commitment to promoting voter awareness and participation across different segments of society. Inviting social workers to conduct awareness programs for newly admitted students is an effective way to reach out to young individuals and educate them about the importance of exercising their voting rights. These influencers can leverage their platforms to communicate key messages about civic responsibility and democratic participation. Organizing Voter Registration camps in collaboration with the Ranipet Municipal Corporation is a practical approach to facilitate the registration process for eligible students. By bringing registration services</p>

	<p>directly to the campus, the club ensures convenience and accessibility for students who may otherwise face barriers to registering. The proposed Voter Awareness Camp for electoral registration of the public, including senior citizens and disabled persons, reflects the club's commitment to inclusivity and accessibility in the electoral process. By extending support to these marginalized groups, the club promotes equity and ensures that everyone has the opportunity to participate in shaping the nation's future. Partnering with NGOs to enhance participation among underprivileged sections of society, such as transgender individuals, commercial sex workers, disabled persons, and senior citizens, is a commendable initiative. By collaborating with organizations that specialize in serving these communities, the club can leverage existing networks and resources to effectively engage and empower these groups in the electoral process. Overall, the efforts of the Electoral Literacy Club at Annai Mira college of Engineering and Technology demonstrate a holistic approach to promoting electoral literacy and participation, while also addressing the needs of diverse segments of society.</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>Youth Voter Awareness Programme 2022 for First Year Students (New Voters) has been held at our College on 25th, November 2022 . Tahsildar and Deputy Tahsildar of Elections, Ranipet District had conducted this event and Principal, Vice Principal, Administrative Officer, HODs were participated in this event</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>Initiating a comprehensive Voter Registration drive in association with Ranipet Municipal Corporation is a commendable effort by ELC. By ensuring that everyone's voice is heard through active participation in the electoral process, the institution is contributing to strengthening democracy. Encouraging students above 18 years of age to register to vote annually not only promotes civic engagement but also empowers individuals to have a say in shaping policies at local and national levels. Each vote indeed has the potential to make a difference, and initiatives like these play a vital role in fostering an informed and active citizenry</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
576	545	569	524	532

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: 118

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
73	72	77	76	73

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
126.76	50.57	46.87	63.23	60.82

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:

Academic Calendar/ Almanac: At the beginning of every academic year, The Head of the Institute, Heads of various Departments and Exam Cell chalks out an academic calendar which includes internal assessment dates. This is made available to the faculties and students before the commencement of the class work. The academic calendar is displayed on all the department notice boards, and is also made available on the website. The academic calendar reflects curricular and co-curricular activities planned for the semester. The academic calendar provides the date of commencement of the academic session, the schedule of internal assessments, parent-teacher meetings, term work submissions, practical/oral exams, college events, holidays, end-semester examination schedule, etc.

Teaching Plans: The faculty prepares and maintains a course file of their respective subjects which consists of a teaching plan, course outcomes, mapping of course outcomes with program outcomes, course contents, laboratory manual, university question paper, list of text & reference books, continuous evaluation of students' termwork etc. The effectiveness of course delivery is ascertained through the performance of students in internal assessment examinations, and module tests.

Laboratory: Lesson plans are also prepared for each laboratory course which indicates the number of experiments and the dates for each experiment. Laboratory manuals are prepared in advance which gives a detailed description of the experiments. The students maintain a laboratory record and the teacher evaluates and awards grades for each experiment which is considered for continuous internal assessment. Hand-outs are prepared unit wise for better understanding of the course and give a brief description of the course content. Approved lesson plans and hand-outs are communicated to the students at the beginning of each semester. The Lesson plans are appended to the attendance registers for ready reference by the faculty concerned. The topics covered, on the given day as per the time-table is entered in the attendance registers as log book. Effective implementation of the lesson plan and log book is reviewed by the HOD as well as Principal. The comments on any variation with respect to the lesson plan and lecture record are communicated to the faculty concerned.

Projects: Mini-projects presentation carried out by the students to help them to consolidate and apply their conceptual understanding of various subjects. Seminars help enhance the presentation skills of the students. The project work/ internship taken up in the final year enables the students to consolidate their knowledge write and present technical reports and learn the benefits of teamwork. Students are

encouraged to carry out project work as interns in industry. Co-curricular and extra-curricular activities aim to inculcate these qualities in order to bring about holistic personality development of students. Students are also encouraged to participate in technical competitions and ideation contests as part of co-curricular activities.

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: 42

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
Evidence of course completion, like course completion certificate etc. Apart from the above:	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: 69.63

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
549	526	0	470	367

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:

The College has been working for the overall development of the students. Various courses, namely, Human values and Professional Ethics, Environmental Studies have been introduced as mandatory courses for all programmes of engineering to address issues as Gender Equality, Sustainability, Human Values and Ethics. Courses on Disaster management, Non-Conventional energy resources etc, are offered as open electives.

Human values and professional ethics:

To instil Moral, Social and Ethical values, the university has offers two courses on Human Values and Professional Ethics as credit courses during the academic periods for all B. E programs. These courses help students gain a world view of the self, society and profession. It emphasizes on holistic understanding of ethical human conduct, trustful and mutually understanding human behaviour. The college also conducts Blood Donation Camp, Eye camps, Swacch Bharath, and awareness programs in the nearby villages to promote National Integrity, Human values, Communal Harmony.

Environment and Sustainability:

Environmental Studies is an interdisciplinary course. The course is offered as a mandatory course for all the U.G programs. The course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues. Open Elective courses under Choice based credit systems Disaster Management is offered as an open elective to

understand various types of natural and man-made disasters, their occurrences, effects, mitigation and management systems in India, the role of Geographical Information Systems (GIS), and Remote sensing technology in disaster mitigation and management. A course on Green buildings is also offered to emphasize the significance of eco-friendly materials, green building rating systems, etc. A course on “Non-conventional Energy sources” is offered to explain the generation of electricity from various non-conventional sources of energy such as solar, wind, ocean and geothermal energies acquire knowledge of their principles and utilization. Another Open elective course on “Industrial Pollution and its control” is offered to explain the effects of uncontrolled emissions from industries understand the various disposal methods and minimize pollution.

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: 46.35

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

Response: 267

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
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 41.58

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
188	160	97	102	164

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
360	360	360	270	360

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: 51.93

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
150	138	89	91	151

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
252	252	251	186	251

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: 7.89

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:**RESPONSE**

ANNAI MIRA COLLEGE OF ENGINEERING AND TECHNOLOGY provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes annual technical fest in which students showcase their learning in the form of innovative projects. Also, students are motivated to participate in inter college as well as national level competitions. The Institute focuses on the student-centric methods of enhancing lifelong learning skills of students. Faculty members make efforts in making the learning activity more interactive by adopting the below- mentioned student-centric methods.

EXPERIENTIAL LEARNING:

Experiential learning is an engaged learning process whereby students “learn by doing” and by reflecting on the experience. Experiential learning activities can include, but are not limited to, hands-on laboratory experiments, internships, practicums, field exercises, undergraduate research performances. Well-planned, supervised and assessed experiential learning programs can stimulate academic inquiry by promoting interdisciplinary learning, civic engagement, career development, cultural awareness, leadership, and other professional and intellectual skills.

Laboratory Sessions are conducted with content beyond syllabus experiments.

- Summer Internship -Students get hands on training while working in the company.
- Courses on latest technologies with NPTEL, Guvi,Udemy, Coursera etc.
- Project development on latest technologies by students where they showcase their working model in the technical fest.
- Industrial Visits to engage them in experiential learning while visiting the organization.
- Participation in simulated events such as hackathons wherethey acquire experience of working on some real-life model.

PARTICIPATORY LEARNING

In this type of learning, students participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills, such as

- Students are encouraged to organize National level technical symposium.
- In addition to academic, to be a socially responsible citizen our college encouraged Blood donation camp, Entrepreneur Cell, Women Empowerment activities.
- Annual cultural program – This is organized every year for the students of the college to give a vent to their creativity.
- Seminar Presentation – Students develop technical skills while presenting papers in seminars.
- Presentation and publishing of papers in conferences and journals - The objective is to give them exposure to learn and imbibe new skills.
- MOOC Programs (NPTEL,Guvi, Udemy, Coursera etc.)

PROBLEM-SOLVING METHODS:

Departments encourage students to acquire and develop problem-solving skills. For this, college organizes expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intra-college technical fests and other competitions such as:

- In-house summer training with project development
- Regular Assignments based on problems
- Mini Project development
- Regular Quizzes
- Case studies Discussion
- Class presentations
- Participation in Inter college events

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
73	72	77	76	73

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: 3.23

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
3	2	2	2	3

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:

1. Conduction:

For conducting the internal assessment test, a department level coordinate/committee is constituted. Two internal assessment tests are conducted each semester at department level. The end semester examination is conducted by the University. The college strictly follows the guidelines and rules issued by the affiliating university while conducting end semester examinations. An examination committee is constituted, considering of a Principal as a Chief Superintendent and a senior Faculty member as a Senior Supervisor and other teaching faculty and non-teaching staff as Understudy, junior supervisors, and support staff for smooth conduction of end semester examinations.

2. Evaluation:

The process of Internal assessment evaluation is completed within 6 working days. Students who are absent for an internal assessment test (IA) due to genuine reasons can apply for retest. The attendance record of each student is maintained and due weightage is given for attendance in theory class and practical sessions. The evaluation of all the University (End Semester) Exams is done through a centralized assessment process monitored by the University.

3. Grievance Redressal:

After evaluation of internal assessment answer script, the scripts are shown to the students to check any discrepancy or doubt in checking. Students can express grievance to the University by applying for the Re-evaluation process. Students can apply for re-evaluation for their answer script within two weeks from the declaration of results. The entire re-evaluation process is carried out as per the university norms.

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:

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated. Response: The college has seven undergraduate courses (Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering Artificial and intelligence, Information Technology). In terms of academic progress, the college is linked with Anna University, Chennai and adheres to the university's curriculum and syllabus.

The Internal Quality Assurance Cell (IQAC) discusses with various stakeholders and adopts the methodologies to frame, finalize and publish Program specific outcomes (PSOs) and Program Educational Objectives (PEOs). The objectives and outcomes for all the programs offered by the institution are stated and displayed on the college website www.amcet.in. They are also clearly displayed in the department.

Before the onset of a new semester, every faculty devises a detailed teaching plan which is made with keeping the students' needs and changing trends in mind. Respective subject faculty incorporates these course outcomes in their subject course file and the same is also uploaded in their Google Classroom account. Students are explained about the course outcomes (COs) of each subject at the beginning of the semester, enlightening them about the subject and its practical aspects. Faculty keeps conveying the

Course Outcomes (COs) during the progression of the semester through an interactive session enhancing students' involvement in learning the specified topics. The questions that are posed during the module tests, assignments and Internal Assessments are mapped with the COs and POs. After completion of the course, a course exit feedback is taken from the students to obtain their level of understanding of the course outcomes. Practicals are conducted on a regular basis to monitor the progress of each student and to check whether they are able to reach the outcomes that are planned for them.

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:

Self Study Report ANNAI MIRA COLLEGE OF ENGINEERING AND TECHNOLOGY. The PEOs have been divided into three categories: intellectual values, social sensitivities, and moral values. Also, by including different system stakeholders, the skills and performance indicators for each of the program's educational goals are set. This leads to the development of a wide range of course-level competencies and performance indicators.

Responses

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 tools/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 class/assignment test, internal assessment tests, assignments, semester examinations, seminars, laboratory assignments / practical's, mini projects etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

Indirect methods such as course exit survey and examiner feedback to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills. Rubrics are used for both formative and summative assessment of students. Same rubric is used for assessing an outcome so that the faculty is able to assess student progress and maintain the record of the same for each student.

The attainment of various outcomes like COs, POs, PSOs and PEOs is carried out in four stages: Planning, Implementation, Evaluation and Action Taken.

Planning: Various outcomes are defined and a correlation is established between COs and POs, on the scale of 1 to 3, 1 being low, 2 being moderate and 3 being high. A mapping matrix is prepared in this regard for every Course CO and PO in the program including the elective subjects. The teaching plan, module tests, assignments, internal assessments are designed to meet the course outcomes for every subject.

Implementation: A faculty member uses different instruments like Internal Assessments, module tests, assignments, practical's, and Project for finding out attainment level of the course outcomes. The faculty also evaluates attainment of POs, PSOs, PEOs by using indirect tools like surveys that are sent to various stakeholders. These surveys are then analyzed to improve the methods of imparting education and tracking the progress of the students.

Evaluation: Attainment of all outcomes are evaluated and analyzed to identify the strengths and weaknesses in delivering the course. The students and their attainments are evaluated individually and the areas where improvements are necessary, essential steps are taken.

Action Taken: In case of deviation from the expected attainment of outcome then necessary corrective actions are initiated and to improve the outcome. This includes engaging slow learners for remedial lectures which are conducted as and when needed, giving them personal attention during both theory as well as practical class and constantly noting their progress until they reach the expected outcome.

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: 99.84

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
110	161	197	63	104

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
110	161	197	63	105

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

<p>2.7.1</p> <p>Online student satisfaction survey regarding teaching learning process</p> <p>Response:</p>	
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: 11.05

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
6.4	1.295	1.65	1.15	0.55

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:

Our institute stands at the forefront of research, innovation, and extensions, embodying a commitment to pushing the boundaries of knowledge and creating tangible impacts in various fields. Our students are strongly encouraged to exhibit their work at conferences and poster contests, as well as to publish their research findings in prestigious academic publications, in order to add to the worldwide pool of understanding. The organization offers a wide range of assistance for this, including funding, mentorship programs, and access to research facilities. The students use posters and stage-wise presentations to present their project effort. Regular presentations are planned in accordance with the project calendar assisting them in improving their demeanor, communication abilities, and confidence.

Our researchers, comprising esteemed faculty members and driven students, engage in groundbreaking studies aimed at unraveling complex phenomena, addressing pressing societal challenges, and advancing human understanding. Beyond merely generating new knowledge, our institute is dedicated to fostering

innovation and translating research findings into practical applications that benefit society. We recognize that true impact often stems from the ability to bridge the gap between academia and industry, and thus we actively support entrepreneurship, technology transfer, and industry partnerships. Through incubators, accelerators, and collaborative initiatives, we empower innovators to transform ideas into viable products and services.

Our innovation ecosystem thrives on creativity, resilience, and a spirit of experimentation, catalyzing the development of cutting-edge technologies, disruptive business models, and sustainable solutions to pressing societal challenges. In addition to advancing research and fostering innovation, our institute is deeply committed to extending the benefits of education, expertise, and resources to communities locally, nationally, and globally.

Through outreach programs, community engagement initiatives, and public service projects, we strive to democratize access to knowledge, promote lifelong learning, and empower individuals and communities to thrive in an ever-changing world. Whether through educational outreach programs that inspire the next generation of scientists and engineers, community-driven initiatives that address local needs and aspirations, or international partnerships that promote cross-cultural exchange and collaboration, our institute remains dedicated to making a positive and lasting impact beyond the boundaries of our campus.

In conclusion, our institute stands as a beacon of excellence in research, innovation, and extensions, driven by a shared commitment to pushing the boundaries of knowledge, creating value for society, and fostering positive change in the world. Through our collective efforts, we aspire to continue making meaningful contributions to the advancement of science, technology, and human welfare for generations to come.

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: 61

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
19	13	5	10	14

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: 0.02

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
1	1	0	0	0

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	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:** 0.09**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
11	0	0	0	0

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:**Introduction:**

Extension and outreach activities are essential components of our institutions which are encouraged to be taken up by our students with the aim of nurturing social responsibilities and services to a broader audience beyond their classrooms, textbooks and examinations. Annai Mira college of Engineering and Technology specifically encourages these activities with the aim of fostering community welfare and fulfilling the aspiration of our Vision and Mission thoughts among our students through Mira Youth Club (MYC).

Tree Plantation:

Tree plantation is the deliberate act of planting trees, either individually or in groups, with the purpose of replenishing and improving the environment around our campus. Our institution takes a proactive measure to plant trees periodically in all the neighbouring villages, around our campus like Veppur village, Puttuthakku village, Ayilam Village, Kavanur village, Arungundram village, Arapakkam village, Sambasivapuramvillage ,Perumugai village, which happens to be the predominant management practices.

Blood Donation Camp:

The blood donation camp organized by Annai Mira College of Engineering and Technology (AMCET) is a commendable initiative that demonstrates the institution's commitment to serving the community and promoting the spirit of altruism among its students, faculty, and staff.

Awareness Programmes:

Annai Mira College of Engineering and Technology (AMCET) demonstrates a proactive approach to fostering awareness and promoting social responsibility among its students and faculty through various awareness programmes like Girls Safety Awareness, Anti-Ragging Awareness, Diabetic check-up and awareness, Higher Education awareness, Gender Issue awareness, Road Safety awareness, Plastic awareness, Malaria and Dengue awareness, Voting Awareness Rally, and so on. By organizing a diverse range of awareness programme, our institution can create a holistic learning environment that empowers students to become socially responsible, environmentally conscious, and well-rounded individuals prepared to make positive contributions to society.

Cleaning Programmes:

The cleaning program organized by Annai Mira College of Engineering and Technology (AMCET) is a proactive way to foster a clean and healthy environment. Our institution has conducted many cleaning programs like Vellore Fort Cleaning Campaign, Temple cleaning at Kavanur village and Arapakkam village, School Campus Cleaning and so on. These cleaning programs create a cleaner, healthier, and more favourable learning environment while encouraging values of civic responsibility and environmental operations.

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:

Annai Mira College of Engineering and Technology (AMCET) takes immense pride in recognizing and celebrating the dedication and commitment of its students, faculty, and staff towards community engagement and social responsibility. Through various extension activities, we aim to foster a culture of service, empathy, and active citizenship among our members. Our students are actively engaged in a variety of extension activities in various villages surrounding our institution through our Mira Youth Club.

Our extension activities encompass a diverse range of initiatives like engaging with local communities to address their needs and challenges through initiatives such as health camps, educational workshops, and skill development programs, undertaking initiatives to promote sustainability, environmental awareness, and conservation efforts, such as tree planting drives, waste management campaigns, and clean-up activities. These activities often involve collaboration, teamwork, and interaction with people from diverse backgrounds. As a result, participants develop strong interpersonal skills, including communication, empathy, and conflict resolution, which are essential for success in both personal and professional life.

Annai Mira College of Engineering and Technology, we believe that true success lies not only in academic achievements but also in the positive difference we make in the lives of others. Hence we have conducted many tree plantation, awareness campaign, temple and Vellore fort cleaning mega campaign and medical camp too. We have also conducted various health campaigns in tie up with ASHOKA diabetes center, blood donation campaign and organ donation awareness campaign. Many rallies have been conducted and these rallies have been more than just gatherings; they are platforms for empowerment—for amplifying voices that have long been silenced, for shedding light on issues that have long been overlooked.

These extension and holistic activities provide opportunities for personal growth and self-discovery among themselves. Through participation in diverse experiences such as community service, leadership development, and creative expression, individuals can develop confidence, resilience, and a sense of purpose. Receiving a recognition certificate for these holistic activities is a momentous occasion that signifies not only individual achievement but also a deep commitment to personal growth and well-being. Engaging in holistic activities encompasses various dimensions of wellness, including physical, mental, emotional, and spiritual aspects.

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: 55

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
19	10	5	12	9

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View 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: 55

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:

Annai Mira college of Engineering and Technology is started in 2012 under R.T Educational Trust in Vellore. It is situated in a sprawling campus of 25 acres in the Chennai-Bengaluru National Highway. All the programmes are approved by AICTE and affiliated to Anna University, Chennai.

The vision of the college is to be world's leading institute in both education and research and achieve greater recognition for our efforts in our chosen fields of endeavor.

The mission is to provide students with fundamental knowledge, interdisciplinary skills, social and business awareness and confidence required to excel in their profession and be leader in global environment by providing several schemes for the academic toppers.

CLASSROOMS, ICT AND SEMINAR HALLS FACILITIES

All the classroom is the ultimate self-service presenter-friendly environment to the teaching and learning process. The Institution is provided with excellent classroom facilities. Each class is provided black board and stage with sufficient number of lights and fans. Good ventilation is provided and windows are covered with curtains.

The Institution provided two spacious seminar halls with 200 student seating capacity. It is also facilitated with ICT facilities. In every classrooms the ICT facility is occupied with modern method. Here, 24 classrooms are available for supporting the teaching and learning for this institution. It also useful for the students to present the projects, seminars and to present their papers.

LABORATORY FACILITIES

Institute has modern, well equipped laboratories with the latest equipment and required software for the entire programme. In addition, it consist of first aid kit and fire safety measures. Labs are suitably designed to accommodate and run heavy machinery. Multiple power supplies like UPS, Generator and EB power are suitably provided for all the lab spaces.

SPORTS

Our sports facilities are extensive and well-equipped, catering to wide range of sports. We encourage every student to take part in sports. We give special attention and training to students who want to build their career in any sports field.

CULTURAL ACTIVITIES

The Institution offer a good opportunity for the students to come out with their talents in singing, dance, music, It is organized during Mira Fest and Mira Maestros-the college cultural fest. With systematic and generous support from the college and overwhelming participation of students from all the departments.

YOGA AND GYMNASIUM

Yoga for Youth Empowerment will be conducted for the first year student in every academic year. Professor. Arulnithi, A. Vivekanandan, Joint Director, world community service centre, Aliyar, Pollachi participate as Chief Guest and address about the importance of yoga for the students. In practice of yoga indicates in their uplifting the studies and giving stamina to their body.

TRANSPORT AND CANTEEN FACILITIES

Our extensive fleet of buses operated by college, connecting students from every corner of Vellore to our campus.

Canteen facilities provided for students and staffs with proper seating dining hall. Food is served hygienically and sufficiently.

MISCELLANEOUS

These facilities include wheel chair for physically challenged students, Fire extinguisher, CCTV surveillance, Solar plant, Generator set, Bio gas plant and Rain water harvesting.

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: 30.4

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
47.01	9.71	11.07	17.05	21.03

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:

About ILMS – Library Management Software The library is automated with Aveon ILMS library management system software with Version 7.1.8.0 which has bar-coding system and multi-user library management system that supports automated system of the library. The main objective of our library automation is to provide a quality service to readers and to establish an efficient book storage system. The library can be accessed from 8.30 A.M to 6.00 P.M during the working days and from 9.00 A.M to 1.00 P.M during the holidays. The institute strives to provide the best and latest collection of books, journals and other online resources to the students and the faculties. A library management system is software that is designed to manage all the functions of a library. It helps librarian to maintain the database of new books and the books that are borrowed by members along with their due dates. SOFTWARE DETAILS: Name of the ILMS software : Aveon ILMS 7.1.8.0 Nature of Automation : Fully Automated Version : 7.1.8.0 Year of Automation : 2022 LIBRARY SOFTWARE MODULES: The library software has many modules and every module serves for different purposes, they are listed as . Circulation : Issue / Return / Renewal / Reserve . Catalogue : Stock verification / Loss / Recovery . Search : Books search . Member : Member registration (Staff / Students) . E – Gate : Check – In / Cheek – Out . Report : Report generation The Acquisition& cataloguing module of the library management system enables the librarian to select & buy books, journals, and other resources and create a database of

the same for easy books search. Facilities: . The library functions under open access system which is fully computerized for Issuing Searching and returning books. . All the books are bar – coded and bar – code scanners are used in circulation Counter for Books transaction. . The searching renewal and arrangement of books and journals are made easier to Circulate with the help of bar - code scanner. . The library has the internet connection with the speed of 200Mbps to Access books, Journals and other latest technology searches. . Generating and printing reports like issue, renewal and return of books monthly and yearly report facilities are also available. Circulation: Students can check the availability of book by searching through the title or author’s Name of the book. They can also access through the physical stock area entry is made with the library software through login software and issued to the staff and students. As per the regulation, text books and reference books are made available in the library. Subscription to E-resources: The college library has various institutional memberships for e-resources and E-journals. The institute has the membership for National Digital Library of India (NDLI), DELNET Active chapter, digital library with online paid and un-paid journals and E-books. The publications of faculty and students are accessible in the library. The library has also been set up for NPTEL video lectures which can be accessed with in the campus. The library also maintains project reports submitted by the students as part of their course curriculum.

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:

System Resources

Annai Mira College of Engineering and Technology provides excellent IT facilities to the students and the faculty. The available computer systems with LAN connection are 150. The highly configured Personal Computer with 8 GB RAM and 500 GB HDD is accessible. One Data server is maintained in the server room for providing network connectivity in the campus and one web server is maintained as cloud server.

The College has employed a full time IT consultant for maintenance and support of the ICT infrastructure. LAN and Network connections are effectively monitored by the IT consultant. The institution provides access to desktop systems to both the faculty and the students which allows them to

make use of computer aid for academic projects, practical sessions and learning.

Wi-Fi and Internet

Internet facility is supplied through BSNL and Railwire services with the bandwidth of 300 Mbps. The computers from different blocks are inter-connected with LAN through switches. The entire campus including hostel block has various Wi-Fi access points to gain educational resources through internet and intranet service. The Internet service from various networks is available to the students in the campus and they are provided with 2 GB data.

E-Services

ERP – AMCET College Management Software is effectively used as a Learning Management System by the faculty and the students for learning process. Attendance is properly maintained in ERP. For all the faculty members and the students, a unique mail id is created in college domain. The college web site provides all the essential information for the stakeholders, Updates in technology is shared by the faculty in the web site.

Google Classroom is also used for teaching learning process. SMS facility/Broadcast Messages and Circular through ERP are also available to communicate important messages to all the students and the faculty. Training programmers are periodically conducted to upgrade the programming skills of students and faculty. To organize Webinars and alumni talk series in collaborative and comprehensive manner, Telecommunication Apps like Google Meet, Zoom and MS teams are utilized.

Software Tools

The desktops run on the windows 7, Fedora and windows 10 operating systems. Office automation packages like MS Office and Antivirus have been purchased by the college and updated regularly. The college provides all standard econometrics, statistical, computational and scientific typesetting packages such as Lab view, STAAD Pro, Auto CAD, Turbo-C++, Oracle/my SQL, ORCAD, EDWIN XP, MATLAB, Xilinx, TANNER, Etap, Ansys, IBM SPSS which are either open access or licensed software. College is completely equipped with surveillance cameras for effective monitoring and security purpose.

Updating the IT facilities

Based on the gradual increase in the intake of the students, the number of systems in all the laboratories is updated. As per the AICTE norms, the student to computer ratio is maintained as 4.47:1. To carry out research and project activities, highly configured systems are maintained. Based on the requirements, necessary software and hardware devices, computer systems and its peripheral devices have been purchased.

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:** 4.47**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 129

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:** 62.38**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
77.76	29.51	34.82	38.85	36.31

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: 87.11

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
470	474	506	462	480

File Description

Document

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

[View Document](#)

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

[View Document](#)

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

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

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

[View Document](#)

5.1.2

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

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

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	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: 78.4

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
498	392	452	399	412

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
Details of statutory/regulatory Committees (to be notified in institutional website also)	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: 79.56

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
85	139	163	51	68

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
110	161	197	63	105

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
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	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: 12.31

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
2	3	5	2	4

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: 81

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
17	17	7	27	13

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

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

Response: 34.8

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
48	45	0	42	39

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:

Introduction: Anna Mira College of Engineering Technology (AMCETAA) has always prided itself on not just providing education, but fostering a sense of community that lasts long after graduation. At the heart of this enduring connection lies the Alumni Association, an integral part of the AMCETAA family. This article delves into the core essence of the Alumni Association, outlining its mission, objectives, and the diverse array of initiatives it undertakes to nurture excellence among its alumni and forge deeper ties with our alma mater. Mission and Objectives: The Alumni Association operates with a clear and compelling mission:

1. Community Building: Central to its mission is the creation of a vibrant and interconnected community of alumni. By fostering a sense of belonging and camaraderie, the association aims to provide a platform where graduates from various backgrounds and fields can come together to share experiences, insights, and opportunities.

2. Knowledge Exchange: The association is committed to facilitating the exchange of knowledge and expertise among alumni and current students. Through mentorship programs, workshops, and seminars, alumni are encouraged to impart their wisdom and experiences, enriching the learning journey of the entire AMCET community.

3. Career Development: Recognizing the importance of career growth and professional advancement, the Alumni Association strives to equip alumni with the resources and support needed to excel in their respective fields. From career guidance to networking opportunities and job placement assistance, the association aims to empower graduates to thrive professionally and make meaningful contributions to society.

4. Alumni Engagement: The association seeks to foster active engagement and participation among alumni. Through reunions, networking events, and social gatherings, alumni are encouraged to reconnect with old friends, reminisce about their AMCET days, and contribute to the continued growth and development of the institution.

Initiatives and Activities: The Alumni Association spearheads a wide range of initiatives and activities aimed at fulfilling its mission and objectives:

? Mentorship Programs: Pairing alumni mentors with current students to provide guidance, support, and

inspiration in academic, professional, and personal pursuits.

? Professional Workshops and Seminars: Organizing workshops, seminars, and guest lecturers conducted by alumni experts on topics ranging from emerging industry trends to effective career advancement strategies.

? Alumni Spotlight Series: Highlighting outstanding alumni who have made significant contributions to their fields, serving as inspirational role models for current students and fellow alumni.

? Career Fairs and Networking Events: Creating opportunities for alumni to connect with potential employers, explore career paths, and expand their professional networks.

Conclusion:

In conclusion, the Alumni Association stands as a testament to the enduring legacy of AMCET and the remarkable achievements of its alumni. Through its steadfast commitment to excellence, community, and engagement, the association continues to enrich the lives of its members and strengthen the bond between alumni and their alma mater. As we look to the future, we remain dedicated to fostering lifelong connections, empowering alumni, and advancing the mission of AMCET.

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:

6.1 Institutional Vision and Leadership

Vision

To be a value based technical institute ensuring quality academics and fostering values to create responsible citizens of the society committed towards the development of the country.

Mission

- To create and maintain a quality technical education ecosystem.
- To promote an environ that will enable to foster ethical value systems for professional advancement of students
- To establish conception of students with firm civic sense and high moral values, committed for the development of the nation

The governance and leadership of the institute perfectly aligns with the Vision and Mission of the institute as Annai Mira College of Engineering and Technology is, the brain child of the founder who envisioned to lay the foundation of an acme of educational Distinction.

Sustained institutional growth: The Institute's vision and mission clearly defines that it works towards the overall progress of students and sustained institutional growth of the college by enhancing the knowledge and fostering ethical value systems for professional advancement of students. The governing council of the institute has ultimate authority and guides in the process of achieving the vision and mission of the institute. The governance of the institution is participative by all stakeholders and depicts decentralization in the institutional governance. Meetings are conducted periodically headed by the

Principal along with Vice Principal and Departmental Heads, where in faculty input on academics, administration and research is discussed and decisions are taken.

National Education Policy, (NEP): At AMCET, following the NEP guidelines, Nan Mudhalvan programs have been introduced for students to develop the skill. Even new programs of MBA and IT departments have been introduced. There is a focus on promoting Indian culture and traditions in the students to represent the Tamil subjects for all the first year students in all the departments. The annual cultural gathering of the institution and other patriotic celebrations are an expression of the vivid facets of Indian society and culture. Also, events commemorating the national and international days of importance are organized to bring inspiration and motivation.

Decentralization and Participatory involvement: The various committees ensure the effective implementation of all initiatives and have participation of Principal, Vice Principal and Departmental Heads, Faculty members, Non-Teaching staff, students and even parents. Various committees at the college and departmental level assure decentralization of governance and depicted by delegation of roles and responsibilities to various coordinators appointed at institute/department.

Perspective plan aligned with vision and mission: Building a strong base by curriculum enrichment. To construct and implement digitization of academic and administrative processes for improvement in the teaching-learning process. To cultivate a sense of community in students for firm civic sense and to hold moral value systems for serving the nation. To initiate new courses are some of the perspective plans.

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:

Our Institutional strategic planning has been critically designed for a wider vision of the institution, gathering ideas from a wide range of stakeholders, and getting specific about how to achieve institutional goals with collaborative decisions about where, how, and why to prioritize resources. Introduction of all programmes and courses to attain a status for holistic development has been on the top priority at the institution. We aim to get all programmes as well as the Institution accredited by NAAC.

Institutional Perspective plan: We have an objective to attain greater visibility amongst the stakeholders. We are providing state-of-the-art infrastructure, continuously upgrading our status with world class ambience, technical expertise and ethical work culture. We promote heterogeneity and demographical diversity in admitting students and recruiting faculty members which will help national and international exposure to evolve and grow in our Institution. We aim to attain maximum faculty with Doctorate degrees. The recruitment policies are properly documented and followed rigorously while recruitment of all faculty and staff so that a high and even standard can be maintained. A highly efficient recruitment panel is in place so that each and every appointment is as per the institutional policies. The HR policy Manual describes the guidelines for all the employees. The defined appraisal system is in place and is a method to evaluate employee performance during the academic year. A perfectly planned administrative setup is in place to be followed. Academic calendar is prepared and followed each semester, this facilitates preplanning and implementation of academic and non academic activities for complete implementation. Since the inception of the institute in 2012, the institution has always had a Strategic Plan to achieve the vision and mission of the institute and guide it in the path of growth and development. The institutions' aim has always been to achieve quality academics. introducing newer and recent engineering branches of trending technologies like Artificial intelligence and Data Science and Computer Science and Engineering, promoting skill development, collaborating with industries and academia. Regular Meetings are being convened by the head of the Institution as well as the various departmental heads to frame the policies, budget allocation, planning and developing of infrastructural facilities. True to its mission and vision statements, the college aims to consistently provide and sustain an invigorating work environment that nurtures excellence, innovation and growth. Through our wide array of engineering disciplines and unique clubs and committees the institution constantly fosters student development activities, to provide opportunities and experiences that build community, help them progress personally and professionally, and create a learning environment to help the students grow towards a holistic development.

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:

AMCET takes accurate care of its personal both teaching and non – teaching. The college assures the contribution of its personal to the improvement and development of the institution.

For Professional Growth:

Financial support is provided for Registration fee, travel allowance for attending conferences and workshop given for the staff. Incentives for Publications and research projects. Faculty members are permitted to deliver the guest lecturers in other Institutions which help the faculties to explore and obtain the knowledge. Faculties are encouraged to pursue PhD programme for carrier growth and institutional in research and development.

Welfare Measures:

Casual Leave / Medical Leave for both Teaching and Non – Teaching Staff, Maternity Leave for the women staff Management contribution to Provident fund for both Teaching and Non – Teaching Staff. Emergency Medical Care, First Aid Team is flying inside the campus with one medical officer.

Performance Appraisal System:

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

? Results

? Student's Feedback in Semester and

? LOP

HoDs remarks on Staff Performance in various areas. Work completion, team work, department contribution, punctuality and dress code and then classroom management are multiple aspects of appraisal analysis.

Non – Teaching Staffs are appraised by Lab Maintenance, Department contribution, Punctuality and dress code, LOP and Team work

. FeedBack Evaluation:

Twice in every year, the students evaluate the teachers handling their respective subjects covering various aspects of student – teacher interaction through a computerized structured format. The computer on – line evaluation pertains to teaching process dimensions: Punctuality and regularity of the teachers, teacher's discussion coverage of class tests, tutorial and assignments and syllabus. Assessment of college environment, facilities and management responsiveness measured on the following dimensions: College environment, cleanliness / sanitation, Library facilities, Canteen water supply, games / sports, transport, HoD' s attitude towards problem resolution, principal response to grievance, support of management in general. Absolute privacy and confidentiality is maintained so as to avoid the individual student assessor's identity. After the evaluation process is completed, if any faculty member is found to be deficient, he / she is counseled, advised and trained to improve through and advisory committee consist Head concerned. The institutional administration will take necessary steps to encourage and reward teachers with excellent increments or promotion.

Student's Feedback in Semester end:

Students are instructed to submit the feedback link in Google form on following basis: coverage of syllabus, ability to explain the concepts in clear and simple language, creating interest through examples, audibility while giving the lecture, voice modulation and mannerisms, interaction in the class, overall class control, discipline and punctuality.

Effectiveness and follow – up action:

If any faculty member is found to be deficient, he / she is counseled, advised and trained to improve through an advisory committee consisting of professors and Head concerned.

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: 67.65

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
60	58	20	57	56

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 / workshops 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: 70.63

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
75	74	74	69	76

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
30	30	30	30	30

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View 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:

Annai Mira College of engineering Technology and Management under the R.T Trust self-financing private Institute which runs by the funds raised through the collection of fees from students. It has a well-defined financial policy which ensures optimal utilization of finances for academic and administrative purposes. Financial planning is exercised well in advance for efficient budgeting and review is done on

periodic intervals under the supervision of principal, management representative, and the account department involving the various academic departments and administrative sections of the institute. The Institute is being run with self sufficient funds generated from tuition fees. In case of shortage of funds, the management supports by providing the required finance. In case activities like expansion and renovation of buildings, the management assists by providing required finance. Financial planning is done at the beginning of the academic year well in advance with adequate budgeting which involves all the Heads of Academic Departments and Administrative Sections. The management reviews all the financial activities through scrutiny of budgets and expenses in every quarter. Through centralized purchase the funds are monitored and utilized in an effective manner.

K.V.CHANDRAMOULI & CO, Chartered Accountants have been our Statutory Auditors for the last 5 years. They are independent auditors appointed by Annai Mira College of Engineering and R.T Educational Trust to conduct the audit of the financial statements including the Balance Sheet and Income & Expenditure Account of the Society. They have continuously monitored the accounts and have not pointed out any weakness in the internal control system. The reports of the statutory auditors are available for the last 5 years. They have stated in their report that proper books of accounts have been kept by the Society and expressed the opinion that the financial statements give a true and fair view in conformity with the accounting Self Study Report of Annai Mira College of Engineering ,Ranipetprinciples on the Balance Sheet and Income & Expenditure Account.

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:

The IQAC Cell was set up in the year 2021 in the institute. The main purpose of this Cell isto assure internal quality in all the activities of the institute in terms of academics,administration,finance, and otherallied areas.

Some of the best practices instituted even before the formation of the Cell are:

- Student classc ommittee meeting

- Symposium, Workshops
- Placement training
- Remedial coaching
- Encouragement towards research and publications
- Regular auditing of accounts

The following initiatives have been taken up after the formation of IQAC Cell while continuing the above:

- Outcome based education Course Outcomes and their refinement.
- Participation in NIRF Ranking process.
- Established Institution Innovation Council (IIC) for enriching Innovation and entrepreneurship development activities.
- Action-taken reports are prepared every year to enrich the quality of the teaching-learning process.
- The IQAC ensures the teaching-learning process and its outcomes through the following methods
 - Periodic IQAC meeting
 - Class Committee meeting
 - Parent's Teachers meeting
 - Workshop Feedback 5.MIRA Startups

• **Example 1: IQAC MEETING**

- An effective MINUTES OF MEETING is devised to ensure the proper teaching-learning and evaluation processes. The teaching-learning process is monitored by the hierarchy such as the principal, Vice Principal, Head of the department, and Class advisor

Minutes of meeting is one of the best quality enhancement strategies. It always gives us an opportunity to know how others perceive us. Our institution always conducts a structured feedback activity. The plan of action is analyzed and appropriate action will be taken by the departments

Example 2: Collaborative activities

The mission of the college Collaboration with Industry helps to reduce the distance between education and employment opportunities. This is the well-defined relationship to achieve the results in greater benefits of outcomes of students. Knowledge creation and technology development require considerable training for the young budding engineers to pace with their expectations. These contributions occur through the signing of a Memorandum of Understanding (MoU) with the leading and core industries as well as institutes to provide collaborative training programs to the students and faculties in their relevant discipline. AMCET is enriching the collaboration every year and the training from the industries is supporting student Placements.

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:

Gender equity is the “provision of fairness and justice in the distribution of benefits and responsibilities between women, men, and all genders.” It is emphasized that people should be gender-sensitive in order to achieve equity. Our Indian Constitution guarantees all citizens of the country equal status and opportunities. Universities must respect the constitutional laws and should ensure safety and neutrality on their campuses. Committee to represent and to give their valuable suggestions in stopping the problems which disturb the individuality of the students.

All students have access to contact their mentors and council members. WhatsApp's groups are created for each class to address their common difficulties. Students are informed about the functions of the Student Grievance and Redressal Committee, Anti-ragging Committee and Internal Complaint Committee and are told to contact these cells immediately when they encounter such cases of harassment or ragging.

AMCET has organized college events related to gender equity. Guest speakers from prominent fields are invited to speak on the given topic which highlights the importance and contribution of women in society. The Sports unit of the Institute provides equal opportunities for all students to participate in the curricular, co-curricular and extracurricular activities conducted. Female representatives are appointed by the various councils.

The institute takes suitable care in associating faculty members in case students go out to represent the institution. Women faculty members accompany the students to rural camps or any other outbound activities in which girl students participate. Women Empowerment Cell has organized various competitions and events to raise awareness of Women's issues in the past five years. Drawing competition, Rangoli and other competitions were organized. Women's sports have been organized during the last five years.

There is a spacious Girl's Common Room. The common room for girls students is provided with resting chairs and tables. A separate ladies hostel is available for girls to provide a safe and spacious home-like environment for outstation students. CCTV cameras have been installed throughout the campus to monitor any untoward incident or behaviour. Staff and students have to enter the building with a college ID cards.

The institute also has a dedicated staff, who provide counselling support to students. Girl students can opt to meet counsellors and talk to them about conversations and discourses on the health and well-being of

all genders. Women achievers are regularly invited to campus to motivate the girls. Both male and female students work shoulder to shoulder in various college activities. The Institute thus focuses on preserving the rights of its members as well as promoting gender sensitivity among its members, both teachers and students.

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:

Annai Mira College of Engineering and Technology is a secular campus which gives equal importance to all religions, languages and cultural. The students come from various socio-economic and communal backgrounds. The Management and faculty create a sense of belonging in all of them. A multitude of efforts are taken to help the students adapt into the college mainstream and get the benefits of all the opportunities provided by the institution. In addition, the students are taught about their rights and responsibilities as dutiful citizens of this nation. They are encouraged to become responsible professionals who contribute to the well being of the nation.

INITIATIVES TAKEN BY OUR COLLEGE TO ENSURE CULTURAL, REGIONAL, LINGUISTIC, COMMUNAL , PEACE, EQUALITY, RIGHTS AND RESPONSIBILITIES OF CITIZENS:

- Orientation to fresher's regarding college rules and regulations and the opportunities available during their course of study.
- Fresher's welcome party by the seniors to understand the prospects of their individual departments.

- Equal opportunity to all students in both academics and Placement regardless of their religion, culture, gender and socio-economic background.
- The college celebrates Annual day, Sports day, Cultural day, and International Women’s day etc., to give our students the opportunity to display their talents.
- Pongal is the Festival of Harvest is celebrated every year so that students understand the

Importance of agriculture and protecting our environment.

- Republic Day another important National festival is celebrated by flag hoisting and parade by the MYC and MEC students in the college campus.
- Our ECO Club, KEN Association and Youth Club members take active participation in social development events like, medical camps, blood donation camps, and Awareness programmes in local schools for Higher Education etc.
- The students are encouraged to exercise their rights during elections.
- Our college premises is used to conduct Government programmes by the Government Primary Health Centre etc., for the benefit of our students and the general public.
- The local RTO officers visit our college regularly to create awareness amongst students about the importance of safe driving and wearing helmets.
- Value based sessions like Yoga, meditation, Universal Human Values, etc., are instilled in our students through Guest Lectures, Motivational workshops and Seminars.
- The students are given awareness of their rights and duties as a responsible citizen with the support of Guest lecturers an awareness camps.
- Students, faculty member are encouraged to actively participated in the tree planting process.
- The students are also advised to stay away from unethical behavior, contra brands like alcohol, smoking and drugs. It is strictly prohibited inside the campus and violators will be counseled, warned and monitored till they mend their ways.
- The fundamental rights in our constitution are Right to equality, Right to freedom, Right against exploitation, Right to freedom of religion, Right to cultural and education, Right to constitutional remedies, Right to vote. Students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge.

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:

1. Title of the practice:

Excellent Mentoring towards Employability

2. Objectives of the practice:

1. To mentor the students on life skills so that they can excel in their academics.
2. To mentor the students to build a career for themselves, as per their potential, they gain after training.
3. To mentor the students towards preparing them for Campus Recruitments

3. The context:

1. Mentoring is a powerful tool that can greatly enhance an individual's performance and development in student personal and professional lives.
2. By providing guidance, support, and mentors play a crucial role in helping individual students to reach their full potential.
3. This knowledge transfer allows students to acquire new skills, learn best practices, and gain valuable subject-specific knowledge.
4. The personalized approach enables students to provide targeted feedback, advice, and encouragement, which can significantly enhance performance.

Programme Details:

- **Class Advisor** - provides support, offer exposure and visions within the Institute.
- **Act as Counselor** - to take on challenges, set higher goals, and push themselves beyond their comfort zones.
- **Subject faculty mentor** – the subject faculty act as mentor during the university examinations. They motivate the students by providing guidance, support, knowledge and the role in helping individual students to reach their full potential.
- **Target** – it is classified as role 1, role 2 and role 3. In role 1 make the students to get secure good marks in university examinations. In role 2 giving good counseling in all bases of the students. In role 3 targeting on the arrear student and make to clear, to provide job opportunity.
- **Training students for Employability** - Nowadays, most companies or organizations not only consider a student's overall academic performance but also consider the holistic development of students when they recruit for various jobs.

4. The practice:

1. The institution provides a well-structured skill development programs to all the students.
2. The institution has included Communicative English, as part of the curriculum, in semester I and II, to improve the communication skills of the students. As a part of this, every week, each class of the students is provided "The Hindu" Newspaper. It is given in rotation basis, helps to improve the communication and reading skills and make to understand the grammar.

3. The mentor role including by **Class Advisor, as Counselor, Focusing by Individual Subject faculty and Target achievement.**
4. The class advisor, of our institute typically more experienced and knowledgeable in a particular field, can share their expertise and insights with their mentees.
5. They monitor the students to produce good effort, out come the talents in different field and guide to perform as smart student.
6. As mentor of counseling, we find the difficulties of their families, financial support and in college guidance.
7. The focusing mentor, enhance self-confidence and motivation translate into improved performance as smart student. The individual subject faculty also guide them in “Study Hour” before the university examination. This makes them to clear their doubts and solve the difficulties faced in subjects.
8. Target the most guidance needed student and enhance them to achieve good results in university examinations and provide best career, although in Government jobs opportunities.

5. Evidence of success:

1. Through the mentoring practice, more students are passed in the university examinations and placed in good jobs.
2. Through best mentoring of our institution, we obtained maximum numbers of placements.

6. Problems Encountered and Resources Required:

1. Availability of time for faculty and students.
2. Resources for implementation.

7. Notes:

1. In spite of very tight time schedule for faculty and students, we have encouraged our faculty members to give importance for mentoring process. The faculty members have extended full co-operation for the implementation of mentoring process by working beyond college hours.
2. The Institution extended full support for mentoring system by providing the necessary resources to the faculty and student.

BEST PRACTICE II

1. Title of the Practice

“Sustainable Horizons - Green Campus Initiative”

2. Objective of the Practice

- Promoting eco-friendly habits by encouraging students to adopt sustainable practices including
 1. The tree plantation helps to maintain clear eco friendly environment, reduces pollution and improves the green ambience.
 2. Reducing plastic usage
 3. Conserving water and energy
 4. Implementing Rain water harvesting
- Raising awareness through
 1. Organizing events and workshops
 2. Providing education about environmental issues and solutions

3. The Context:

- By planting trees we aim to contribute to the mitigation of climate change.
- Optimum use of natural resources for sustainable future.
- The institute partially depends on solar power generation, installed on the rooftop of the building, to satisfy its energy needs.
- Rainwater harvesting conserves ground and surface water for optimal use by humanity.

4. The Practice:

- Plantations in large numbers within the campus and the efficient maintenance through gardeners.
- Water conservation facilities are deployed across the campus to harvest rain water and monitor water level in tanks.
- Solar panel have been also installed in the campus which account for conserving energy.

5. Evidence of Success:

- Our Eco Club students successfully conducted a tree plantation program aimed at combating various environmental issues such as deforestation, soil erosion, desertification, and global warming.
- Student volunteers from AMCET actively participated in a competition aimed at drastically reducing single-use plastic, ensuring it is not dumped underground with waste.
- Through the adoption of conservation methods, students are equipped with the knowledge of effectively using electric energy.

6. Problems Encountered and resources required:

- Continuous efforts are required to create awareness and sustain go green.
- Significant investment is necessary to establish an alternative energy source.

7. Notes:

- We conducted many awareness program for the students in maintaining a green campus, avoiding plastics in the campus, conservation of water and in increasing the green cover within the campus as well as in neighbourhood areas.

- Institution supports by providing tree sampling to the eco club. We have increased the green coverage for the campus during last 10 years.

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:

EXCELLENCE IN ACADEMICS

Annai Mira College of Engineering and Technology in Ranipet district has been providing excellent education with service orientation and discipline since 2012. The college is located on the Chennai-Bengaluru National Highway. The college is recognized by All India Institute of Technology (AICTE), New Delhi and is affiliated with Anna University, Chennai.

The UG courses offered in this college are B.Tech - Artificial Intelligence & Data Science, B.Tech – Information Technology, BE- Computer Science & Engineering, BE- Electrical & Electronics Engineering, BE- Electronics & Communication Engineering, BE- Mechanical Engineering and BE- Civil Engineering. Also 1 PG Course MBA- Master of Business Administration is also offered in this institution.

The institute focuses on providing quality education to students. The institute is committed to help students achieve their full potential academically. We strive to achieve academic excellence that is carried out to achieve the goal.

ACADEMIC PERFORMANCE IN DISTRICT AND STATE LEVEL:

The following steps show our Excellence in Academic Performance:

- In Dec 2012 Anna University Examinations, the inception stage of our college we secured 314th rank initially in the State Level Ranking.
- In 2014 May/Dec Anna University Examinations, we got 269th and 190th Ranking Levels respectively.
- In May/Dec 2015 Anna University Examinations, we held the 334th and 154th Ranking Levels respectively.
- In 2016 May/Dec Anna University Examinations, we achieved 68th and 52nd Ranking Levels respectively.
- In 2018 May/Dec Anna University Examinations, we obtained 34th and 31st Ranking Levels respectively.
- In 2019 May/Dec Anna University Examinations, we secured 17th and 20th Ranking Positions respectively.
- In 2020 and 2021 the Ranking Levels were not published due to Online Examinations.
- **In 2022 May/Dec Anna University Examinations, we obtained 4th and 1st Level of Ranking respectively among 31 Districts namely Vellore, Tiruvannamalai, Tirupattur and Ranipet districts which made AMCETIANS to Feel Pride of Ourselves and AMCET is one of the Remarkable Institutions in Ranipet.**

ANNA UNIVERSITY RANK HOLDER ACHIEVERS:

1.G. DIVYA B.E EEE Secured 3rd Rank with 9.25 CGPA among 9542 participants with conformity for the best performance in the faculty of Electrical Engineering Program and in all the Examinations held during 2017-2021.

1.P. GIRI PRASATH B.E MECH Secured 4th Rank with 9.33 CGPA among 12074 participants with conformity for the best performance in the faculty of Mechanical Engineering Program.

1.V. HEMAMALINI B.E ECE Secured 8th Rank with 9.24 CGPA among 14507 participants with conformity for the best performance in the faculty of Information and Communication Engineering Program and in all the Examinations held during 2017-2021.

1.P. THAMIZH ILLAKIYA B.E EEE Secured Gate Score of 248 among 87559 participants and maintained 23354 ALL INDIA RANK in Electrical Engineering Paper held during 2020-2021. with conformity for the best performance in the faculty of Electrical Engineering Program and in all the Examinations held during 2017-2021.

EXCELLENCE AWARDS TO STUDENTS:

In order to motivate the students, the **Mira Academic Excellence Awards** are given by R.T Education Trust to the students who get the **best marks in each Semester examinations**.

Academic Excellence Award is an ideal platform to reward the altitude among the students in the field of academics. It is an effort to specially acknowledge their hard work, perseverance and precision in achieving their academic goals.

The college believes that constant appreciation worker as magic and students, and this award ceremony truly motivates the students and faculties to keep excelling in academics and sway the presidium flag higher when it comes to education and knowledge.

The student achievements are honored with cash prize and certificate by the Renowned Caliber Personalities for motivating the upcoming blooming Engineers to blossom in their career. The following list shows our distinguished chief guests who honored AMCET achievers for their academic performance.

- Vijay TV Neeya Nana Fame **Mr. Gopinath** in the year 2017,
- Director General of Tamil Nadu Police **Mr. Shailendrababu IPS** in the year 2018,
- Film Actor and Pattimanram fame **Mr. Raja** in the year 2019
- Film actor and orator **Dr. Mr. Gnanasampandan**

AMCET'S TOP MOST PERFORMANCE IN 2022:

Our Institution secured Anna University Ranking of 4th among 330 Engineering Colleges in TAMIL NADU and NO: 1 position in VELLORE, RANIPET and other 28 Districts of State Level that shows AMCET Best Academic Performance in surrounding Engineering Colleges. Below list shows the authentication of our students performance in April/May 2022, Anna University Examinations.

CONCLUSION:

Academic excellence will be enhanced in the upcoming years in district, state and National level ranking by catering the needs of students in depth knowledge both theoretical and practical aspects. Our collaborative plans of each moment to be spent wisely that improves their curricular and extracurricular activities.

In the upcoming academic year, our students performance will be highlighted for the number of Gold medal rank list in Anna University. Most of them are exposed to abroad countries to practice Engineering in various disciplines. It would not be an exaggeration to say that this Annai Mira College of Engineering and Technology is doing educational service to make every student of the college a better engineer, a self-confident good person and overall a better citizen.

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

5. CONCLUSION

Additional Information :

The institution's commitment to Outcome-based Education (OBE) is evident in its holistic approach to teaching, learning, and evaluation. By prioritizing social and environmental welfare alongside academic achievements, the institution aims to foster well-rounded individuals who are equipped to address real-world challenges. The establishment of a socio club underscores the importance of social and civic responsibility, encouraging students to apply their knowledge to solve community problems and develop essential skills for collaboration and leadership.

Commemorating Days of Patriotism and cultural significance demonstrates the institution's dedication to promoting cultural diversity and celebrating national heritage. Annual events such as Mira Maesros, Mira Sports, and Mira Technofest, further enrich the student experience by providing opportunities for participation in cultural, sports, and technical activities. These events not only foster a sense of camaraderie among faculty, staff, and students but also promote healthy competition and showcase student talent and innovation.

Additionally, the presence of the institution's YouTube channel, provides a platform to highlight various events and initiatives, thereby increasing visibility and engagement within the community.

Overall, the institution's emphasis on OBE, social responsibility, cultural diversity, and technological advancement underscores its dedication to nurturing well-rounded individuals and contributing to societal progress.

Concluding Remarks :

It's evident that the governance and leadership of the Institute are closely aligned with its Vision and Mission. By focusing on robust curricular aspects, student-centric teaching-learning methods, progressive research, innovation, and extension activities, as well as ensuring adequate infrastructure, learning resources, and student support, the institution is committed to achieving its goals and serving its stakeholders effectively.

Continuous refinement and dedication over almost a decade have propelled Annai Mira College of Engineering Technology, Ranipet, forward, enabling it to provide high-quality education and holistic development opportunities to its students. This commitment to excellence and continuous improvement will undoubtedly lead to further growth and success for the institution and its stakeholders in the future.