



ANNUAL QUALITY ASSURANCE REPORT (AQAR) 2022-23



Submitted to
NAAC, Bengaluru

By
INTERNAL QUALITY ASSURANCE CELL

Anna University, Chennai-600025.

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AQAR REPORT REVIEW

ANNA UNIVERSITY

Aishe id : U-0439

Submitted for : 2022-2023

Submitted Date : 30/04/2024 06:07 PM

Reference AQAR Link : [Click here](#)

Over all Comments : I reviewed the AQAR and no need for further edition of AQAR by HEI

Acceptance date : 22/05/2024

Review/Re-open History

SL NO	Comments by Officer	Review Date	Response of Institution
1	If you have more data, then kindly enter a few data in the data table and other details you can upload using the upload option/providing direct weblink for respective metrics. In case of non-applicability of the metrics, you may enter '0' for numerical values and 'NIL' for information. Also please note that the documents attached should be attested with seal and signature of the head of the institution. The Accreditation details are incomplete the edited version of the AQAR may be submitted at the earliest from the receipt of this note. Your AQAR is reopened for	02/05/2024	Response from HEI: 1. If you have more data, then kindly enter a few data in the data table and other details you can upload using the upload option/providing direct weblink for respective metrics. Ans: Edited and resubmitted. 2. In case of no applicability of the metrics, you may enter '0' for numerical values and 'NIL' for information. Ans: All metrics and points answered. 3. Also please note that the documents attached should be attested with the seal and signature of the head of the institution. Ans: Uploaded relevant supporting document with the sign and seal

correction. Once accepted by NAAC the HEI cannot edit the file.

of Director-IQAC. 4. The Accreditation details are incomplete. Ans: Accreditation details are corrected.



YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Anna University, Chennai-600025.
• Name of the Head of the institution	Prof.R.Velraj
• Designation	Vice-Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04422357005
• Mobile no	9962537765
• Registered e-mail	registrar@annauniv.edu
• Alternate e-mail address	vc@annauniv.edu
• City/Town	Chennai
• State/UT	Tamil Nadu
• Pin Code	600025
2.Institutional status	
• University	State
• Type of Institution	Co-education
• Location	Urban
• Name of the IQAC Co-ordinator/Director	Prof .R.Gunasekaran

• Phone no./Alternate phone no	04422358585
• Mobile	9962690099
• IQAC e-mail address	iqac@annauniv.edu
• Alternate Email address	diriqac@annauniv.edu
3.Website address (Web link of the AQAR (Previous Academic Year))	https://iqac.annauniv.edu/AQAR_2021-22_Submitted_29.07.2023.pdf
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://cac.annauniv.edu/Annoucement/UD/August%20-%20Dec%202022/Revised%20UG%20M.Sc.%20(5%20yrs).pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	Five Star	75 and above	2002	12/02/2002	11/02/2007
Cycle 2	A	3.46	2014	24/09/2014	23/09/2019
Cycle 3	A++	3.54	2023	21/08/2023	30/08/2030

6.Date of Establishment of IQAC

30/10/2012

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Department of Applied Science and Technology	Fund for Improvement of Science & Technology Infrastructure Program	DST	2018-19	0
Department of Geology	Fund for Improvement of Science & Technology Infrastructure Program	DST	2017-18	0
Department of Manufacturing Engineering	Fund for Improvement of Science & Technology Infrastructure Program	DST	2018-19	0
Department of Electrical and Electronics Engineering	Protection of Electric Vehicles and Charging Infrastructure Against Lightning and Switching Surges	RUSA	2020-21	0
Department of Mechanical Engineering	Development of Renewable Energy Systems for Automotive Applications	RUSA	2020-21	0
Department of Physics, Crystal Growth Centre	Development of Fuel Cell Components for Hybrid Electric Vehicle	RUSA	2020-21	0

	Applications			
Department of Chemical Engineering	Development of Cathode Materials in Lithium-Sulfur Battery for Electric Vehicle Applications	RUSA	2020-21	0
Department of Civil Engineering, Centre for Environmental Sciences	To strengthen the research facilities in the Department	DST-FIST	2021-22	0
Department of Computer Science and Engineering	Research, Innovation and Quality Improvement - Entrepreneurship Hub	RUSA	2023	33200000
Department of Computer Technology	Research, Innovation and Quality Improvement - Entrepreneurship Hub	RUSA	2023	8000000

8. Whether composition of IQAC as per latest NAAC guidelines	Yes			
<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File			
9.No. of IQAC meetings held during the year	20222023			
<ul style="list-style-type: none"> • The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) 	Yes			

<ul style="list-style-type: none"> (Please upload, minutes of meetings and action taken report) 	View File				
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No				
<ul style="list-style-type: none"> If yes, mention the amount 					
11. Significant contributions made by IQAC during the current year (maximum five bullets)					
<p>IQAC of Anna University, since its inception in 2012, has been consistently and actively involved in quality sustenance and enhancement activities, to name a few: • Organizing Quality related Training programmes for teaching and non-teaching staff members. (Refer: https://iqac.annauniv.edu/report_training.php) • Coordination for participation in NAAC accreditation, NIRF Rankings, THE Ranking, and QS Ranking (Refer: https://iqac.annauniv.edu/Overview/AU%20Accreditation%20and%20Ranking%20Table%2020231026.pdf) • Facilitation for NBA accreditation /approval of the UG/PG programs offered by the University, and AICTE Approval processes apart from coordinating the NAAC reaccreditation process. (Refer: https://iqac.annauniv.edu/NBA/DCIV%20&%20DEEE%20Accreditation%20Status-Valid%20Upto%2030.06.2028.pdf, https://iqac.annauniv.edu/NBA/AU_MIT_NBA_2023_B.E._EIE_AME.pdf) • Conduct monthly internal meetings with IQAC team members and Internal Quality Assurance Council Meetings chaired by Vice-Chancellor. (Refer: https://iqac.annauniv.edu/2022-23_22.07.2022%20to%2023.06.2023.pdf , https://www.annauniv.edu/IQAC/7th_IQAC_EC_Meeting_Minutes.pdf) • Setting /Updating the Benchmarks for the University under the various criteria of NAAC. (Reference: https://iqac.annauniv.edu/Minutes%20of%20the%208th%20EC%20Meeting_05.07.2023.pdf#page=19) </p>					
12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year					
<table border="1"> <thead> <tr> <th data-bbox="86 1697 772 1765">Plan of Action</th> <th data-bbox="782 1697 1476 1765">Achievements/Outcomes</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 1765 772 1917"> NEED TO REFER THE 8TH EC MEETING PREPARATIONS </td> <td data-bbox="782 1765 1476 1917"> https://iqac.annauniv.edu/Minutes%20of%20the%208th%20EC%20Meeting_05.07.2023.pdf </td> </tr> </tbody> </table>	Plan of Action	Achievements/Outcomes	NEED TO REFER THE 8TH EC MEETING PREPARATIONS	https://iqac.annauniv.edu/Minutes%20of%20the%208th%20EC%20Meeting_05.07.2023.pdf	
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NEED TO REFER THE 8TH EC MEETING PREPARATIONS	https://iqac.annauniv.edu/Minutes%20of%20the%208th%20EC%20Meeting_05.07.2023.pdf				
13. Whether the AQAR was placed before statutory body?	Yes				

- Name of the statutory body

Name	Date of meeting(s)
AU IQAC Executive Council	05/07/2023

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes

15. Whether institutional data submitted to AISHE

Year	Date of Submission
No	03/01/2024

16. Multidisciplinary / interdisciplinary

Multidisciplinary: Anna University, one of the largest technological universities in the world, offers quality education in Engineering, Technology, Architecture, Management, and Applied sciences relevant to the needs of the global society. It offers programmes not only in Engineering (Civil, Electrical, Mechanical, Electronics & Communication, Electronics & Instrumentation, Computer Science & Engineering, Aeronautical Engineering, Automobile Engineering, etc.) but also a range of Technology oriented programmes viz., Bachelor's degrees in BioTechnology, Textile Technology, Rubber, and Plastics Technology. Further Bachelor's degrees in Architecture and Planning, Master's degrees in Applied Sciences, Business Administration, and Media Science are also offered by the University. **Interdisciplinary:** Anna University promotes and practices an interdisciplinary approach in its curriculum and syllabus. It offers interdisciplinary programmes such as Bachelor's degrees in Medical Electronics, Geo-informatics, Mechatronics, Avionics, Bio-Medical Engineering, Medical Physics, Media Science, etc.

17. Academic bank of credits (ABC):

Anna University has entered into Memoranda of Understanding with many foreign institutions and permits students to undertake courses through the learning agreements offered by them. The learning agreements permit students to go abroad to their respective universities for a semester-long study, enroll in courses, earn credits, and transfer credits. Students are also encouraged to undertake semesterlong internships through programs like DAAD of Germany, MITACS of Canada, etc. Advanced learners can add courses

from the third semester onwards, up to 8 credits, subject to a maximum of 2 courses. In addition, students can register for online (SWAYAM/NPTEL) courses and Value Added Courses (beyond the curriculum). Under the skill development initiative, students can enroll and study courses for up to 6 credits offered by the training partners. The regulations permit the credit transfer of the same. University encourages faculty to design and develop new courses in emerging and application-oriented technical fields, thereby enabling students to acquire detailed insights into cutting-edge technologies. Choice-Based Credit System: The University offers a choice-based and flexible curriculum and syllabi, and students are given a wide range of courses as professional and open electives. Honors/Minor Degree: One of the best practices of the University is that it offers B.E./B.Tech. with Honors/Minor in Major/other areas of specialization to all undergraduate programmes. Under this category, students are encouraged to enroll in courses in areas other than their specialization and earn 18 additional credits to successfully become eligible for the award of Honors/Minor in addition to the regular Bachelor's Degree. Integrated Programme: University accomplishes a well-rounded and integrated development in education by offering "Integrated programmes (M.Sc. 5 years)" in three domains, Electronic Media, Computer Science, and Information Technology, for students to pursue holistic learning without the restrictions imposed by subject and/or level of learning boundaries.

18.Skill development:

Anna University, in line with the Tamil Nadu Skill Development Corporation, has taken the initiative under the 'Naan Mudalvan' scheme of the Government of Tamil Nadu to offer skill development courses to students studying in engineering colleges. Under this initiative, around 40 courses are offered, with the student choosing one course per semester. Students are provided hands-on training on different skills in the physical mode. With the sponsorship of the Tamil Nadu Skill Development Corporation in association with the ICT Academy of Tamil Nadu, NASSCOM, and IBM, Anna University has launched a program called 'Naalaiya Tiran' - an Experiential Project Based Learning initiative to empower the students with enhanced professional and technical skills. A course entitled "Professional Readiness for Innovation Employability and Entrepreneurship", as an extended 4 to 5 months Hackathon, is offered as a mandatory course to all the sixth-semester students of relevant programmes. Anna University provides value-based education by offering courses such as Human Values, Society, Ethics, Unnat Bharat Abhiyan, and Personality Development through Life Enlightenment Skills.

"Universal Human Values" is offered in the Student Induction programme. Many classrooms are equipped with ICT-enabled tools and infrastructure, enabling students to develop their skills through virtual lectures, workshops, conferences, and online meetings. A Centre of excellence in skill development, Siemens Centre of Excellence (SCoE) was established in the MIT Campus of Anna University by Tamil Nadu Government under the PPP model with Siemens and Design Tech limited at the cost of Rs. 546.84 crores with the state contribution of Rs.54.68 crores from Tamil Nadu Skill Development Corporation. The main scope includes skill upgradation of faculty members and students through 14 laboratories. Around 4800 students have been trained during the past 5 years through this centre. Another exclusive centre, AUFRC CAD/CAM established in 1996, also aims to train faculty and students in CAD/CAM technologies. In addition, the Centre of excellence in Factory Automation was also established in collaboration with Mitsubishi Electric Corporation to offer training in factory automation with the help of industrial Distributed Control Systems, Programmable Logic Controllers, and Robots.

19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Anna University offers two UG programmes (Civil Engineering & Mechanical Engineering) in Tamil medium in addition to English medium, to cater to local needs. To integrate the Indian Knowledge system into the curriculum, the University offers courses like Universal Human Values, Society, Ethics, Unnat Bharat Abhiyan, Constitution of India, and Yoga. An exclusive course on Tamil, Sanga Tamil Literature Appreciation, is offered to students. The University emphasizes preserving the Indian language, culture, and tradition by celebrating Indian festivals, namely Saraswathi & Ayudha Pooja, Pongal, Holi, Krishna Jayanti, Navaratri, Ugadi, Mahaveer Jayanti, Onam, Christmas, Ramzan, and Miladi Nabi. An exclusive centre, The Centre for Tamil Development in Engineering & Technology, was established to encourage faculty and students in Tamil Development and encourage their engineering & technical knowledge and skills through the Tamil language.

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The globally recognized graduate attributes recommended by the Washington Accord are taken as Programme Outcomes (POs) for all the programmes with additional Programme Specific Outcomes (PSOs) respective to the programmes to ensure quality engineering education. Every course of the programme is structured by Course Outcomes (COs) at various levels according to Bloom's Taxonomy.

Based on the desired course outcomes, the syllabus is prepared, and further course outcome statements are mapped into programme outcomes and programme-specific outcomes as a course articulation matrix. The Syllabus Sub-committee, Board of Studies, and Academic Council approve the same. All the approved programmes and their courses with quality metrics are published on the website. The OBE has been intertwined into the Teaching- Learning, assessment, and evaluation processes through dedicated templates for internal and endsemester examination question papers, an exclusively designed logbook/attendance register, and discussed in all academic forums. The attendance record is designed to include the aspects such as mapping POs with the COs, course coverage, mode of conduct of assessment, and mode of delivery. The question paper pattern includes the COs and BL levels for every question, which is framed by the Course Instructor. The feedback collected from the stakeholders, such as students, teachers, parents, alumni, and employers, is used for course correction during curriculum revision.

21.Distance education/online education:

Distance Education: An exclusive centre named Centre for Distance Education-Online Cell has been offering professional courses such as MBA, MCA, and M.Sc. degree programmes through distance mode since 2007. Management Courses are regularly revised through inquiry-based updation, accelerating students' leadership skills. The digital learning platform with innovative e-learning teaching aids enables learning anytime, anywhere. Digital learning with the latest industry trends in the curriculum provides holistic development. More than 80% of the classrooms in the University, conference halls, and seminar halls are equipped with ICT-enabled tools and infrastructure for conducting regular classes, meetings, special lectures, online meetings, workshops, conferences, symposiums, student events, etc. The University has a full-fledged Digital Knowledge Centre enriched with ICT facilities, namely IEL online, Internet browsing, access to e-resources via campus-wide and remote access, interlibrary network, kiosks for self-book lending, Online Public Access Catalogue (OPAC), provision of tablets for remote access of e-resources. Online Education: Microsoft TEAMS-based learning management platform has been effectively utilized by all the students and faculty members for online teaching, teaching resource management, assignment, quiz and examination and evaluations, online meetings, research forums, webinars, parent meetings, and so on. Students can enroll in online (SWAYAM/NPTEL) courses beyond the curriculum.

Extended Profile

1.Programme1.1 110

Number of programmes offered during the year:

File Description	Documents
Data Template	View File

1.2 35

Number of departments offering academic programmes

2.Student2.1 11396

Number of students during the year

File Description	Documents
Data Template	View File

2.2 3481

Number of outgoing / final year students during the year:

File Description	Documents
Data Template	View File

2.3 11036

Number of students appeared in the University examination during the year

File Description	Documents
Data Template	View File

2.4 1

Number of revaluation applications during the year

3.Academic3.1 3918

Number of courses in all Programmes during the year

File Description	Documents
Data Template	View File

3.2 **891**

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.3 **852**

Number of sanctioned posts during the year

File Description	Documents
Data Template	View File

4.Institution

4.1 **163968**

Number of eligible applications received for admissions to all the Programmes during the year

File Description	Documents
Data Template	View File

4.2 **3091**

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

Extended Profile

1.Programme	
1.1	110
Number of programmes offered during the year:	
File Description	Documents
Data Template	View File
1.2	35
Number of departments offering academic programmes	
2.Student	
2.1	11396
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	3481
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	View File
2.3	11036
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	View File
2.4	1
Number of revaluation applications during the year	
3.Academic	
3.1	3918

Number of courses in all Programmes during the year						
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
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Data Template	View File					
3.2		891				
Number of full time teachers during the year						
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
3.3		852				
Number of sanctioned posts during the year						
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4.1		163968				
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Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year						
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Data Template</td> <td>View File</td> </tr> </tbody> </table>			File Description	Documents	Data Template	View File
File Description	Documents					
Data Template	View File					
4.3		410				
Total number of classrooms and seminar halls						
4.4		4689				
Total number of computers in the campus for academic purpose						

4.5	11598
Total expenditure excluding salary during the year (INR in lakhs)	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

Anna University's curriculum is meticulously designed to meet diverse developmental needs at local, national, regional, and global levels.

Locally, programs like Civil and Mechanical Engineering in Tamil enhance accessibility for indigenous students.

Nationally, multidisciplinary programs foster innovation in fields like Mechanical, Computer Science, and Medical Sciences, addressing the demand for professionals in AI and Data Science. In tune with the Tamil Nadu Government's vision and alignment with national needs, the University has a culture of inter- and multidisciplinary programmes across various disciplines, and it adequately fulfills the requirements of society and industry.

Regionally, the focus on Leather, Apparel, and Textile Technology reflects Tamil Nadu's economic importance alongside cutting-edge disciplines like Robotics and Bio-Medical Engineering.

Globally, export-oriented programs prepare graduates for international competitiveness, ensuring they contribute to global technological advancement.

The Institution has adopted the Learning Outcome Framework as envisaged by AICTE and UGC and has carefully coined POs, PSOs, and COs for all the academic programs offered. Out of the 110 courses across all programs, nearly 40% are in various thrust areas like energy, water, agriculture, healthcare, and green technologies.

The courses taught under various programs empower the students and provide a wide range of technical skills and knowledge to contribute to the nation's development and help it emerge as a

global leader.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

2758

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

344

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

110

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

A dedicated set of 210 courses offered under UG and PG programmes are designed to address the Crosscutting issues. The courses cover a broad range of topics that includes Ethics, Human Values, Disaster Management, Gender, Society, Media, Culture, Climate Change, Environment, Sustainability, Laws and Rights, Pollution, Waste Management, Unnat Bharath Abhiyan, Constitution of India, Yoga, Value education, Pedagogy Studies, Stress Management, Personality Development through Life Enlightenment Skills.

Students are exposed to courses on Values and Ethics, Human Relations at Work, Psychological Processes, Education, Technology and Society, and Philosophy, and Applications of Psychology in Everyday Life. Environmental Sciences is a mandatory course under all the UG programs. English for Research Paper Writing, Value Education, Pedagogy Studies, Sanga Tamil Literature Appreciation and Personality Development through Life Enlightenment Skills are some courses that benefit students. A few courses, viz., Language and Communication, Gender and Water, address gender issues, including empowerment, social stratification, health, etc.

Students' participation in personality and character development programmes is mandatory in the curriculum. In the National Service Scheme, students undergo training for about 80 hours, which includes hygiene and health awareness classes and first-aid training. The students also undertake social service activities in and around the institution. National Cadet Corps (NCC) has about 20 parades. National Sports Organization (NSO) has sports, games, drills, and physical exercises. Youth Red Cross (YRC) organizes many blood donation camps, health camps, and social services in and around institutions.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

39

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

880

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

2121

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution

- Feedback collected, analysed

may be classified as follows

and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

4480

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

2447

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Opportunities for fast learners include adding courses from the third semester onward, up to 8 credits, with a maximum of 2 courses. This allows them to undertake semester-long project work or internships. Additionally, fast learners can opt for self-study courses from the fifth semester onward, provided they have no current arrears and maintain a CGPA of 8.0 or above.

For slow learners, there is flexibility to drop a maximum of eight

credits spread across a maximum of two courses per semester. In case of failure in theory or laboratory courses, students can appear for supplementary exams. A one-time supplementary exam option is available within 30 days of result declaration for VIII-semester failures. Moreover, if a student fails in VII or VIII semester project work, they can resubmit the report within 30 or 60 days, respectively.

To further support slow learners, a redo option is proposed for content they struggle with, providing them with additional opportunities for mastery.

Proof:

Induction Programme

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_5/5.1.3_Proofs/5.1.3_Induction%20Programme_DEEE.pdf

Opportunities for Advanced & Slow Learners

<https://cac.annauniv.edu/udregulations/00.%20UG%20Reg%202019.pdf>

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://cac.annauniv.edu/udregulations/00.%20UG%20Reg%202019.pdf

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
11396	891

File Description	Documents
Upload relevant supporting document	View File

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

Experiential learning at Anna University encompasses diverse activities such as project work, internships, seminars, and practical training, fostering holistic skill development. Through NaalaiyaThiran, a collaborative initiative with industry giants like NASSCOM and IBM, students gain practical exposure in "Professional Readiness for Innovation, Employability, and Entrepreneurship," earning 3 credits. The RUSA Innovative Curriculum 2018 for Computer Science and Engineering also integrates hard-core and soft-core courses, with external learning opportunities adding 1 credit to each subject. Emphasizing participative learning, methods like group discussions and problem-solving assignments enrich the educational experience. With nearly 80% of courses integrating theory with practical components, students acquire comprehensive knowledge and practical skills, preparing them for real-world challenges in their respective fields. This multifaceted approach ensures students' readiness for the dynamic demands of the industry and enhances their employability and entrepreneurial potential.

Proof:

Naalaya thiran

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.3.1_Proofs/Hod's_nalaya_thiran_2.3.1.pdf

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.3.1_Proofs/UD-Department-guidelines_Nalaya_Thiran_2.3.1.pdf

Tamil Nadu Skill Development courses

<https://www.tnskill.tn.gov.in/>

Creative and Innovative Project

[https://cac.annauniv.edu/udregulations/00.%20UG%20Reg-2015%20\(Final\)%20-%2028.01.2019.pdf](https://cac.annauniv.edu/udregulations/00.%20UG%20Reg-2015%20(Final)%20-%2028.01.2019.pdf)

RUSA Innovative Curriculum

<https://cac.annauniv.edu/udregulations/RUSA%20Regulations2018.pdf>

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The educational institution boasts a range of ICT-specific facilities aimed at enriching learning experiences. These include access to e-books, e-journals, and various other ICT services like the Digital Knowledge Centre (DKC), Inter Library Network, and OPAC. Additionally, the provision of tablets for e-resources access and web-based library information enhances accessibility. The Educational Multimedia Research Centre (EMMRC) complements traditional teaching methods with satellite/TV-based resources such as e-content, video lectures, and documentary programs since its inception in 1985 under UGC CEC's NME ICT initiative. Notably, it has significantly contributed to the Prime Minister's Digital India initiative by developing programs for the SWAYAM Portal. Furthermore, the utilization of Microsoft Teams as a learning management platform has revolutionized online teaching, resource management, assessments, and research forums. The institution also integrates MOOCs, e-Patasala, and a rich array of e-resources available in the library to further enrich the educational landscape.

Proofs:

Inter Library Network:<https://library.annauniv.edu/>

Swayam:<https://swayam.gov.in/>

EMMRC:<https://www.annauniv.edu/emmrc/>

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

450

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

891

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

619

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

11366

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

58.59

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

58.59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

1

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

The evaluation of the teaching-learning process is paramount for maintaining educational quality. Our institution employs various mechanisms to facilitate this evaluation, including department Multiple Courses Committee (MCC) Meetings, Department Consultative Committee (DCC) meetings, structured assessment tests, end-semester examinations, online Student Feedback, and Academic Audit.

Recent reforms to examination procedures have introduced significant improvements. Firstly, shifting to a three-part question paper format from a two-part pattern enables a more

comprehensive evaluation of students' understanding, mainly through Part C questions, reflecting higher-order thinking skills at Bloom's Taxonomy Level. Adopting a Secure Online Question Paper Delivery System (SOQPDS) and the barcoding of answer books ensures enhanced security and efficiency in the examination process, demonstrating Bloom's Taxonomy Level 3 (Application).

Additionally, the introduction of Intranet-based systems for Academic Record Maintenance (ARMS) and Student Examination Management Systems (SEMS) streamlines data management, facilitating quick information dissemination to stakeholders, reflecting Bloom's Taxonomy Level 2 (Comprehension and Application). Furthermore, the Open-day Revaluation system offers students transparency and opportunities for clarification, reflecting Bloom's Taxonomy Level 6 (Synthesis and Evaluation).

These measures collectively enhance transparency, communication, and efficiency in assessment and examination management, benefiting students, faculty, and administration.

Proofs:

SEMS:<https://acoe.annauniv.edu/sems/>,<https://acoe.annauniv.edu/Home/examination>

Open day:<https://acoe.annauniv.edu//notification/Circular.pdf>

QP format:https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/PG%20Full%20Time%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The globally recognized graduate attributes endorsed by the Washington Accord serve as the foundation for program outcomes (POs) across undergraduate programs, supplemented by program-specific outcomes (PSOs) tailored to each program. This ensures the maintenance of high-quality engineering education standards. Syllabi are crafted to meet desired course outcomes, harmonizing with POs and PSOs to construct a comprehensive course articulation matrix. This matrix, encompassing various course types, collectively contributes to fulfilling the graduate attribute requirements of each program. It enables evaluating students' cognitive, affective, and psychomotor learning levels, facilitating individual and class-wide assessment.

Anna University's approach integrates Outcome-Based Education (OBE) into teaching, assessment, and evaluation processes through dedicated templates for examination question papers and specialized logbooks/attendance registers. These principles are widely discussed across academic forums. Incorporating a co-po articulation matrix into question papers enhances this integration, aligning course outcomes with program objectives. This transparency fosters accountability and empowers students to monitor their progress about the program's broader goals and expectations. Approved by various academic bodies within the university, this approach ensures a coherent and effective educational framework.

Proofs:

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.6.1_Proofs/AU_CAC_DCE_2.6.1_COPO.pdf

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/PG%20Full%20Time%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/UG%20Full%20Time%20%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The CO attainment levels were obtained from Continuous Internal Assessments (CIA) and End Semester Examinations (ESE), and they have been compiled to represent the overall attainment of the course. The percentage of students attaining the defined targets set by the teachers on each CO was calculated and categorized into low, medium, and high levels for every course offered. The gaps in attainment are further analyzed, and contributing factors are addressed through action-taken reports. Further suggestions for continuous improvement are provided.

The percentage of attainment obtained for each CO of the course is multiplied by the course articulation matrix to determine the individual course's contribution to the direct attainment of POs and PSOs. The POs and PSOs for all courses are computed, averaged, and given at least 80% weightage under direct attainment. Data related to POs and PSOs for indirect attainment are collected based on student exit surveys and alumni feedback. A weightage of up to 20% is assigned for indirect assessment. The combined values of direct and indirect attainment of POs and PSOs are compared with the batch's target value based on the department's criteria for the respective program.

Proofs:

https://cac.annauniv.edu/uddetails/udug_2019/AmmendII/Civil/B.E.Civil.pdf#page=2

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.6.2_Proofs/AU_ACOE_2.6.2_ACADEMIC_AUDIT.pdf

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

3237

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

<https://iqac.annauniv.edu/Feedback%20and%20Exit%20Survey%202022-23/EXIT%20SURVEY%202022-23/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Research Promotion Policy:

Anna University has built a robust research and innovation ecosystem through,

- Seed money to fresh recruits to establish their laboratories and kick-start their research.
- International travel grants to faculty and students to enable them to participate and present papers in International Conferences.
- Funding for start-ups to faculty and students.
- Awards and Recognition for Research Excellence.

Major research facilities

The major research equipment more than fifty lakhs facilitates state-of-the-art research in thrust areas.

- National Hub for Healthcare Instrumentation and Development (NHHID)

(<https://www.nhhid.org/>)

- National Centre for Sustainable Coastal Management (NCSCM)

(<https://ncscm.res.in/>)

- Crystal Growth Centre (CGC).

(<https://www.annauniv.edu/CGC/index.php>)

- Centre for Research (CFR)

The Centre for Research (CFR) functions wholly through e-governance with the following scope:

- Admission into Ph. D and M.S. (By Research) research programmes conducted twice a year as per UGC norms.
- Research and Post-Docs Fellowships (JRF, SRF, PDF & Faculty Fellowships) funded by agencies like UGC, SERB, CSIR, ICMR, ICSSR & AICTE are operated.
- Supervisor and Research Centre recognition, and admission of research scholars.
- ACRF (Anna Centenary Research Fellowship) was given to 50 scholars, and a revised Anna Research Fellowship (ARF) was launched in 2022, catering to 150 scholars.
- Research Product Exhibition is conducted to showcase research innovations on 'Technology Day'.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

11.95

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

71

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research

Central Instrumentation

Centre Animal House/Green House Museum

Media laboratory/Studios Business Lab

Research/Statistical Databases Moot court

Theatre Art Gallery

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

71.72

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

2790.9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

0.42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Anna University has a well-defined ecosystem that includes innovation and incubation hubs along with national facilities listed as follows:

National Facilities

Technology Enabling Centre (TEC)

https://ctdt.annauniv.edu/dst_tec_1/

- The primary objective of TEC is to enable the commercialization of technologies that are emerging thrust areas and socially relevant.
- TEC acts as a channel between the Industry and Anna University for anything related to entrepreneurship ventures across Tamil Nadu.

University Innovation Cluster (UIC) <http://www.uicbannauniv.com/>.

- E-YUVA Centre has been funded by Biotechnology Industry Research Assistance Council (BIRAC) in collaboration with Anna University.

National Hub for Healthcare Instrumentation Development (NHHID)

<https://www.nhhid.org/about-nhhid.php>

- The National Hub for Healthcare Instrumentation Development (NHHID) - a national facility to cater to the needs of healthcare instrumentation.

Innovation Hub

Centre for Sponsored Research and Consultancy (CSRC)

<https://ctdt.annauniv.edu/>

- Research Funding and Support
- Interdisciplinary Collaboration

Centre for Intellectual Property Rights (CIPR)

<https://www.annauniv.edu/ipr/>

- Functioning as the nodal centre to assist Industries, Small and Medium Entrepreneurs, Educational and Research Institutions for IPR related matters.

Centre for University-Industry Collaboration (CUIC)

<https://www.annauniv.edu/CUICCentre/>

- CUIC acts as the interface between Anna University and its industry partners and works with its industrial partners towards the implementation of CSR (Corporate Social Responsibility)

Incubation Hub

Centre for Entrepreneurship Development (CED) <http://auced.com/>

Atal Incubation Centre (AIC) <https://annaincubator.org/>

E-YUVA Centre (University Innovation Cluster)

<https://www.uicbannauniv.com/>

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

50

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following **A. All of the above**

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards **A. All of the above**
 Commendation and monetary incentive at a University function
 Commendation and medal at a University function
 Certificate of honor
 Announcement in the Newsletter / website

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year**3.4.3.1 - Total number of Patents published/awarded year wise during the year**

107

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year**3.4.4.1 - How many Ph.D's are awarded during the year**

242

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

1515

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

492

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
6.05	4.60

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
42	29

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Introduction:

Consultancy work can be taken up to solve problems referred by industries, institutions, government agencies and corporations, societies and any other bodies, including professionals / individuals wherein the professional expertise and knowledge of the faculty members (Consultants) as well as the infrastructural facilities of the University will be utilized.

Policy Framework:

Anna University has established a policy framework that governs consultancy activities, outlining the procedures, responsibilities, and guidelines for faculty members engaging in consultancy work. The policy ensures transparency, accountability, and compliance with relevant regulations and ethical standards.

The key features of the consultancy policy of CSRC are as follows:

- The CSRC formulates guidelines, including revenue sharing between the institution and the individuals and encourages the faculty to undertake consultancy.
- The CSRC encourages faculty to undertake consultancies with external agencies by applying their expertise and specific knowledge base, in turn serving society.

Retainer Consultancy

The faculty members can provide advisory services, without using the facilities at the University, either at the place of the client or in the University. The Consultancy charges shall not be less than Rs. 10,000/- per day plus taxes, as applicable.

Revenue sharing details:

On the total consultancy amount after deducting the respective taxes, as applicable, the following distribution will be made.

1. Anna University overheads - 7.5%
2. Dept / Centre Overheads - 7.5%
3. CSRC Overheads - 15%
4. Consultant remuneration including all expenditure - 70%

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

3244.7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Anna University organizes several extension activities in the institute-neighborhood community through NSS, NCC, and YRC to sensitize the students toward community needs.

Extension activities through NSS

(<https://ceg.annauniv.edu/NSS.html>)

- Mass Plantation on 06.04.2022 (48 Volunteers).
- International Yoga Day is celebrated on 21.06.2022 at Raj Bhawan (90 Volunteers)
- FIT India freedom run marathon was held on 05.07.2022. (50 Volunteers)
- A waste collection drive was conducted from 03.06.2022 to 05.06.2022.(62 Volunteers)
- NSS conducted an Awareness talk on sustainable development, role of science and technology in 75 years of independence on 03.08.2022 (75 Volunteers)

- Awareness rally on the use of handloom and Khadi products organized on 07.08.2022 (100 Volunteers).
- A rally to promote the celebration of green Diwali in Chromepet on 20.10.2022 (75 NSS Volunteers)
- State Level Youth Parliament Festival was conducted in front of great dignitaries on 07.02.2023. (60 Volunteers)

Extension activities through NCC (<https://aunccarmy.vercel.app/>)

- Cadets of NCC Navy CEG involved in organic farming at organic farm, Anna university on 20.02.2023 (60 volunteers).
- UDHIRA is a blood donation campaign in collaboration with Adyar Cancer Institute. (16 Cadets)
- Puneet Sagar Abhiyan' is a campaign to clean water bodies and increase the awareness amongst the local population

Extension activities through YRC

(<https://www.annauniv.edu/yrc/index.html>)

- Proper guidance to visually challenged people to face academic and competitive exams.
- Youth Red Cross Blood Donation and Eye-check-up Camp.
- Around 50 plants are planted and maintained by Green team of YRC.

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

122

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

5784

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

144

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

54

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Anna University makes every effort to ensure that the best facilities are provided to the stakeholders. The University has a dynamic infrastructure policy considering the available physical resources and projections for the future. The University, during the period under assessment, expanded its infrastructure facilities with a budget of Rs. 680 crores. Classrooms and Laboratories University Departments of Anna University are in the Main (CEG, ACT, and SAP) and the MIT campuses. 410 classrooms (with 89% ICT enabled), 28 drawing halls, 560 laboratories, 4689 computing facilities, 40 seminar halls, and 9 auditoria are distributed in these campuses. Besides, three new teaching complexes with additional classrooms have also been added in the past 5 years. Most of the classrooms have digital facilities with LAN/Wi-Fi connectivity. The Ramanujan Computing Centre is the central computing facility at Anna University. Computing facilities are also set up in every department to provide easy access to students. There are 4689 computers with a student/computer ratio of 3:1. The internet bandwidth is more than 2 Gbps. State-of-the-art facilities are provided for the faculty and students to enrich their studies and research, which include 34 ML workstations with high-end NVIDIA GPU, Adobe Suit Design lab, exclusive 24/7 200 computers to conduct classes and research,

more than 10 Web and Application Servers for hosting the University website and applications used by various centres, department details, unlimited MATLAB license for research, Jupyter lab hosted in server for students access, etc. Laboratory Facilities Every department has well-equipped, state-of-the-art laboratory facilities. Special grants of Rs. 75 crores was allotted for lab modernization.

File Description	Documents
Upload relevant supporting document	View File

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

Facilities for Cultural activities

- Vivekananda Auditorium (1200 capacity - with centralized AirConditioned, green room, and projection facilities)
- Tag Auditorium (300 capacity - with centralized AirConditioned, green room, and projection facilities)
- Rajam Hall (300 capacity - with centralized Air-Conditioned, green room, and projection facilities)
- Aircraft Hangar (1500 capacity)
- Open Air Theatre (OAT) (1000 capacity) - 3 Nos

Facilities for Indoor/Outdoor activities: For Indoor

- Yoga Open Hall
- Basketball Court - Synthetic Court
- Badminton Court
- Synthetic Tennis Court
- Boxing Facility
- Billiards
- Twister Aerobics Exercise
- A/C Gym Facility (Separate for Boys and Girls)
- Carrom Board Facilities
- Chess Board Facilities

For Outdoor

- Volleyball Court - 03 Nos
- Hand Ball Court - 03 Nos
- Outdoor Badminton Courts -02 Nos
- Outdoor Gym Facility- 03 Nos Synthetic Tennis Court - 02 Nos
- Kho - Kho Court - 03 Nos

- Kabaddi Court - 02 Nos
- Mud Tennis Courts - 04 Nos
- Swimming Pool (Area 9266 sq.ft)
- Foot Ball Field - 02 Nos
- Cricket oval - 06 Nos
- Hockey field with all amenities Running Track & Field with all facilities - 400-meter track at MIT & CEG Campuses.
- Artificial Wall Climbing Fitness Facility
- Vaulting and Ground Equipment
- Facilities for Student Activities - Technical/Cultural Festivals

All the student-related technical and cultural festivals are conducted in the indoor and outdoor auditoria of Anna University, namely Vivekananda auditorium, TAG auditorium, Rajam Hall, Aircraft Hangar, 3 Open Air Theaters, etc.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

The overall ambience and general campus facilities of Anna University are a valuable addition to the Teaching, Learning, Research, and Extension activities. The campus is green, environment friendly, and well-connected. It provides a comfortable and creative environment to both faculty and students. In addition to 410 classrooms, 70 computational facilities, 560 laboratories, 03 libraries, 44 hostels, and sports facilities, the following facilities are also provided in the University to meet the needs of the faculty and students.

Residential quarters of 352 numbers for faculty and staff.

University Guest House of 4 numbers to accommodate guests and parents.

Two Health Centres (Main & MIT campuses) are equipped to handle emergencies and routine medical needs.

Health Insurance for staff and students. Secure, high-speed internet service of more than 2 Gbps is provided to faculty and students through NKN and major service providers.

All the network traffic is secured and load balanced by NGFW

firewall & Web Application Firewall (WAF).

Secured Wi-Fi facility is provided through 900 indoor access points & 200 outdoor points. Internet trees with Wi-Fi hotspot and electrical fittings for charging paves the way for accessing the internet seamlessly (CEG - 14, ACT-2 & SAP-1, MIT-6).

Rich computational resources include 28 high-end servers, 40 TB SAN storage devices, and workstations extensively utilized by students & research scholars.

IPSec VPN connectivity for accessing Intranet applications (Main & MIT Campuses) Banking facilities SBI, Canara Bank, Indian Bank, and ATMs to satisfy the banking requirements of faculty and students.

Dining facilities include canteens, cafeterias, mega mess, food court (with digital billing facility), and restaurants.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

6313

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Central Library in the University houses a massive collection of 2,73,493 books, 44999 journal back volumes, 2500 e-books, 30000 e-journals/databases. It serves the University departments' faculty, students, and scholars. An average of Rs. 5 crores is allocated every financial year to purchase books, journals, and e-resources.

Automated Library Management

Library Resources and Services have been automated through the AutoLib - Library Management Software (ILMS) integrated with RFID since 2006. The ILMS performs all library functions, such as the circulation of books and a web-based search interface for users through OPAC (Online Public Access Catalog). Using OPAC, users can search the library online catalog by Author, Title, Subject, and Keywords. The users can know the recent additions of periodicals and books and the status of documents with location (whether on the shelf or issued). AutoLib supports the SMS-based alert system for book issues, return/renew/overdue, and book catalog creation. RFID technology supports the technology-enabled automatic circulation of books. A smart card-based user entry system helps improve library services and generates footprint reports. Surveillance cameras are installed in various places in the library to monitor user activities.

Digitization through Digital Knowledge Center (DKC) The library has a full-fledged Digital Knowledge Center with 50 computers. The DKC is a gateway to eresources, a one-stop-shop for nascent information handling and transfer, and a boon to the knowledge seeker. A competent team of library professionals maintains the University library web page. It is updated every week.

<https://library.annauniv.edu/>.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e- Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases **A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

353

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

15605

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

368

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Anna University provides state-of-the-art communication, software development, and computational services to meet the dynamic needs of University departments through the Ramanujan Computing Centre (RCC). Realizing the need for state-of-the-art IT infrastructure, essential for teaching, research, and extension, Anna University has invested an average of about Rs. 1 crore for the upgradation of IT infrastructure in the last 5 years. The University has an approved IT policy emphasizing content creation, ownership, transfer, usage, backup, recovery, rentential, disposal, security, and privacy. It has adequate facilities for legal/disciplinary actions in case of violation.

Salient features of the IT Policy: Governance of computing and networking resources across four campuses. Expert committee approved IT specifications, purchases, and installations according to accepted standards and guidelines. Accessibility control of IT

resources. Monitoring of all computing and networking resources. Adherence to the policy during purchase itself.

Process of implementation and adherence to the policy The implementation and enforcement of compliance with the below mentioned IT policies are entrusted with Ramanujan Computing Centre:

Access control policy: Administrators, Faculty, Administrative, and Technical staff are categorized, and access privileges are provided based on Vice Chancellor's approvals. Authentication to some of the services is through Active Directory. Data log and retention policy: All data pertaining to web servers, firewalls, and access logs are stored and retained for 15 days. Confidential data access policy: Payroll, marks, and employee details maintained at RCC are access controlled to approved personnel only.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
11396	4689

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line) • ?1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities A. All of the above for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

5285

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The classrooms in Anna University are maintained by the Estate Office in the University. The Laboratories are maintained by the respective Departments/Centers by the technical staff under the supervision of the Head of the Department/Director. An average of Rs. 200 crores is sanctioned for the annual maintenance of facilities which is taken care of through the AMC signed with the company/by the service personnel appointed for the same. Being a technical University, an in-house facility is available to maintain various physical facilities. The Ramanujan Computing Centre maintains all the computer facilities. The Director of the Library ensures proper maintenance of the physical facilities available in the library. The Physical Director, along with multi-tasking workers, ensures proper maintenance of sports facilities. The Estate Office has a separate wing for the maintenance of infrastructure facilities. The IT infrastructure policy of the institution spells out its expansions/upgradation and maintenance of the IT infrastructure of the University. Annual maintenance week is observed every year during January. There is a well-defined procedure and open tender has been followed for

Maintaining Computer support facilities.

Maintaining Academic support facilities.

Maintaining Physical support facilities

Other periodic maintenance Procedures and rules followed for civil and electrical works Procedure (Tendering and awarding).

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

6401

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

3841

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology **A. All of the above**

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases
Implementation of guidelines of statutory/regulatory bodies
Organisation wide awareness and undertakings on policies with zero tolerance
Mechanisms for submission of online/offline students' grievances
Timely redressal of the grievances through appropriate committees

- All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

152

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

2189

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

215

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

91

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Student representation in the Executive Committee of IQAC was done in the 8th Meeting of IQAC, held on 05.07.2023. Ms. Meenakshi, Vice President of SAAS of CEG, and Mr. A. Dhoufic Hussain, Vice President of the Student Quality Council, were included as Student forum representatives.

Student council members are elected as office bearers of Athenaeum, with the positions of Chairman, Programme secretary, General Secretary, Treasurer, Lady representative, and PG representative. The elections were conducted for the year 2022-23. The council members' responsibilities are to maintain unity among students on campus and to develop a good environment inside the campus.

Students' association functions in each department, and every year, they organize technical symposiums, exhibitions, and guest lectures. The departments also have student chapters of international and national engineering associations such as IEEE, ACE, the Indian Institute of Chemical Engineers, the Institution of Engineers, the Society of Petroleum Engineers, the Indian Ceramic Society, etc. Student associations of the various departments have arranged 50 programs.

There are more than 23 Clubs with specific themes and objectives for student welfare. CEG Technical Forum, with 41 student members, organizes a UNESCO-recognized Techno-Management festival, 'Kurukshetra,' annually.

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

57

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

CARCA (Centre for Alumni Relations and Corporate Affairs) was established by amalgamating 4 institutions: CEG, MIT, ACT, and SAP. The Anna University Alumni Association has started chapters (11) in Mumbai, Hyderabad, Bangalore, Calcutta, New Delhi, Trichy, Kochi, North America (CEGANNA), Singapore, Kuwait, and Dubai.

The Associations contribute 58 lakhs, which encourages students' effective engagement in all activities. AACEG creates opportunities for students to display their talents by providing 95 endowment awards and 11 endowment lectures in the memory of eminent Faculty/Alumni in the field of their specialization every year.

The CEG Alumni support student activities such as cultural and technical festivals and events, career guidance programs, periodic endowment lectures, financial assistance (tuition and hostel fee), public awareness programs, and helping during national calamities. The Association honors distinguished alumni, celebrates Alumni Day, Genesis Day, Teachers Day, and Alumni Sports Day, and publishes monthly newsletters highlighting all the activities. The statue of the distinguished former alumnus Dr.A.P.J Abdul Kalam, dedicated by MIT Alumni, was opened on the MIT premises. The

construction of the Alumni Centre Annex was proposed and approved in the Syndicate, and the foundation stone was laid on 3rd February 2023.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload relevant supporting document	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Anna University's vision is to be a world-class institution transforming the student into a successful professional with high technical knowledge, professional skill and ethical values. The University has an excellent ecosystem to perform Academic, Research and Innovation Activities. Students excel in technical and non-technical events by showcasing their technical potential and managerial and professional skills.

Anna University envisioned to remain as a preferred partner to the industry and community. A significant number (32) of MoU/MoA is executed with industry and academic institutions to elucidate it. The students indulge in activities for the benefit of society through the National Cadet Corps (NCC), National Service Scheme (NSS), Youth Red Cross (YRC), etc.

University also provides economic and social development through excellence in teaching, research and consultancy. Addressing societal needs by introducing new programmes. The university has received research funding to the tune of 15 crores and 42 crores through consultancy. A total of 30 patents have been granted during 2022-23. University also acts as a catalyst in encouraging the entrepreneurs of start-ups. To summarize, Anna University is

recognized as a point of reference, a catalyst, a facilitator, a trend setter and a leader in traditional education.

File Description	Documents
Upload relevant supporting document	View File

6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The effectiveness of leadership in the University stems from the fact that leadership roles are decentralised through a pure two-tier system that prevails in the administration of the University. Thus, responsibility and authority are decentralized, with necessary financial powers for participative management. Both administrative and financial powers are vested with HoDs and Directors.

As far as the academic administration is concerned, the HoD of each department is guided by the Department Consultative Committee (DCC). The DCC consists of faculty at different levels and 2 from another department. Thus, the Faculties, along with directors of autonomous administrative centres, play a major role in the participative management of the University's academic administration.

As far as autonomous centres are concerned, they are either mandated with an administrative role or equipped with expertise with a mandate to excel in certain research fields. These centres, being autonomous, have their budgets operated through their bank accounts, and hence, the bills are passed and payment released by the Director itself. The revenue generation, expenditure, and performance metrics are presented periodically in the executive committee chaired by the Vice-chancellor.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

A Committee has been constituted to prepare the Strategic plan considering Research, Course Programs, Finance, Internationalisation, Placement & Internship, Innovation &

Entrepreneurship, Student Life, Infrastructure, Human Resources, Alumni & Corporate Relations.

The Roadmap indicated below summarises the Strategic targets.

File Description	Documents
Upload relevant supporting document	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Anna University enjoys full autonomy, with the Syndicate chaired by the Vice-Chancellor as the supreme body making policy decisions. Policy decisions by the Syndicate are implemented by an effective administrative setup involving the Registrar, Finance Officer, Controller of Examinations, Additional Registrar, Deputy Registrars, Professor (Estate Office), Deans of Campuses, Directors of Centres, Heads of the Departments, other statutory officers. Internal auditing, concurrent auditing, and legal sections ensure accountability, compliance with statutory norms, and transparency.

Functions of various bodies, conduct and service rules, procedures, recruitment, promotional policies, and grievance redressal mechanism are as per the Anna University Act (1978), Statutes, Ordinances, and Regulations. The powers and functions of various bodies are well enunciated in the Rules, which help the statutory bodies to monitor the entire functioning of the University effectively. The statutory committees make all the key decisions prescribed by the regulatory bodies. The Recruitment Cell coordinates the recruitment of faculty members and staff and the promotion of faculty members through Career Advancement Schemes (CAS) as per the UGC/AICTE/TN State Government norms. The Centre for Admission carries out admission-related activities as per the norms.

Service Rules and Procedure:

?To Implement AICTE norms approved by the State Higher Education for Engineering and Technology.

?To implement UGC norms approved by the State Higher Education for Science and Humanities.

?To implement state Government Policies for the recruitment of non-teaching Staff

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation **A. All of the above**

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

Performance and Potential Assessments based on performance in academics, research, and other contributions also include a 360-degree feedback mechanism. The unit Head reviews them.

Promotional avenues, as per the norms of the regulatory authorities and the state government, include the timely conduct of career advancement schemes (CAS) to promote faculty and other staff members.

Welfare measures for teaching and non-teaching staff, as summarized below: Staff Quarters, Health Center, Group Health Insurance Scheme, Loans, and Recreational Facilities such as Sports/Swimming Pool/Gym.

CSRC motivates the faculty by presenting them with the yearly Distinguished Researcher, Active Consultant, Innovation, and Technology transfer awards.

Paid Vacation with 45 days in summer and 15 days in winter.

The faculty and staff are eligible for LTC and surrender leave salary as per the State government norms.

Centre for Empowerment of Women and Prevention of Sexual Harassment (POSH) to improve the quality of professional life and maintain an environment free of sexual violence, harassment, exploitation, and intimidation for its female employees and students.

A Daycare Centre functions on both Campuses, catering to the daycare needs of the employees' children.

Anna Gem Science Park School with a 50% fee concession is provided for children of staff.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

181

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

80

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

193

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Funds are mobilised through research funding to the tune of 1446 lakhs have been received during the period 2022-23. The Institution has also obtained support under various schemes at Department level which resulted in mobilising 1518.91 lakhs. Further Institution level grants to the tune of 8961.8 lakhs were also received. Apart from the above, the University has also mobilised funds through Consultancy, testing and training to the tune of 1568.20 lakhs. The Consortium of Industries through MoU facilitates sponsoring candidates with a Consortium fee of Rs.15 lakhs and for P.G. seat, Rs.5 lakhs.

The optimal utilisation of these funds is made possible through proper budget preparation, analysis and approvals given by budget committee of the University with the adopting the following guidelines:

1. The expenditure should have been sanctioned by a general or specific order of the competent authority.
2. Sufficient funds should have been provided for incurring the said expenditure in the budget.

The Sanctioning Officers are empowered to accord sanction for incurring expenditure on any item including purchase of equipment, provided that the item is relevant to the work assigned to the Officer concerned and that necessary budget provision and Head of Account are available on which the Officer is authorized to operate. With a view to monitor the expenditure with reference to the budgetary provisions.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and

maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

1272

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

907.09

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

Internal Audit-I, Internal Audit-II, and CoE Audit carry out Pre and Post audit of all the expenditures made by various units of the University. The Concurrent Audit and Local Fund Audit of the University conduct an audit on all accounts operated by the Finance wing of the University Office, the accounts of all the Autonomous Institutions/Centres, and all the Regional Centres and Constituent Colleges every year and issues the Audit Report and Annual Accounts in respect of the University every year. Further, the Principal Accountant General of India inspects the Audit Report and Annual Accounts regarding the University issued by the Local Fund Audit section and raises objections based on the report. The Local Fund Audit objections are to be settled by regularly conducting audit joint sitting meetings with the Local Fund Audit section. The repayment concerning the AG audit objection is obtained from the respective authorities and sent to the Principal Accountant General for settlement of audit Paras.

File Description	Documents
Upload relevant supporting document	View File

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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The Internal Quality Assurance Cell (IQAC) institutionalize the quality assurance strategies and processes among all the University stakeholders by

Internalization and Sustenance of Quality Culture

- Ensuring ICT and other modern approaches in teaching learning process.
- Provision of Credit transfer of online learning initiatives such as NPTEL.
- Ensure career and market oriented, skill-enhancing value added courses offered.
- Devise policy intends to push the evaluation notches up on the Bloom's taxonomy and examine the learner for higher order cognitive skills.
- Academic Record Maintenance System (ARMS), and Secured Examination Management Systems (SEMS) for student performance tracking.
- Ensure Transference in evaluation of answer sheets before the publication of results through "Clarification Day"
- E-governance to facilitate transparency in documentation.

Quality Assurance activities:

- Compilation and submission of the Annual Quality Assurance Report (AQAR) to NAAC
- NBA accreditation of Departments.
- Participation in National Level ranking: NIRF
- Participation in Global Level ranking: QS and THE
- Conduct of Academic & Administrative Audit

Quality initiatives:

- Expansion of IQAC Team and Office,

- Ready Reckoner and updating Websites
- Automation of Data Collection and Consolidation
- Conduct of Quality Related Training programmes for teaching and non-teaching staff
- Unit wise SWOC meetings chaired by Vice chancellor
- Creation of Benchmarks for academic, research and Administration

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The Curricula and syllabi of all the programmes offered at the Anna University Departments were revised with Choice Based Credit System (CBCS) and outcome-based innovative courses.

Student-centric learning is promoted by adapting participatory learning activities, and the Student Exchange programme for national and international students is enhanced through the Centre for International Relations.

Secured Examination Management System (SEMS) is in place to efficiently manage examination activities of the University starting from the enrolment to the issue of Grade Sheets.

The Knowledge Data Centre provides complete online services catering to the students of the University Departments for the payment of tuition fees and a complete data storage and retrieval system for all the faculty members and students using AU-FIS and AU- ADAMS portals. The Centre for e-governance was established to strengthen the transparency in administration.

The Centre for Sponsored Research and Consultancy (CSRC) provides seed money to students and faculty to conduct innovative projects. 15 new research centres were established in 2022 to address the urgent need to build research capacity in emerging areas.

Based on IQAC initiatives taken for NBA accreditation of University Departments and 05 and 02 departments were NBA Accredited with 6 years and 3 years respectively.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The necessity for gender sensitization spans epochs and is evident across diverse human societies worldwide. It calls for educating both genders on the mutual advantages of understanding each other. Gender awareness demands intellectual comprehension and openness to challenge ingrained perspectives. It broadens life options, fostering more compassionate and capable individuals and transcending discrimination and harassment. Gender parity, a long-term aspiration, mandates continuous effort devoid of complacency.

The following programmes were held in coordination with the Prevention of Sexual Harassment Cell - PoSH Cell:

- One-day PoSH awareness programme in Meenakshi Sundarajan Engineering College Kodambakkam was held on 11.03.2023: Secretary of Meenakshi Sundararajan Engineering College, Dr.K.S.Babai was the Chief Guest for this programme.
- PoSH awareness programme on the Internal Complaints Committee and Redressal Mechanism of PoSH was conducted on 14.03.2023 and for all male staff on 21.03.2023 at

Vivekananda auditorium from 1.30 to 4.30 pm. Dr.T.V.Geetha, Dean, CEG Guindy Campus, was the Chief Guest of the programmes.

- There was a Group discussion on Case Studies by Mrs.Rama Haran and Dr.K.Premalatha, Director, PoSH Cell, and Dr.G.R.Rajarajeswari, Director i/c, Centre for Empowerment of Women. About 500 staff took part in these programmes.

Proofs:

Policies:

https://iqac.annauniv.edu/Sustainability/Policies/AU_Gender_and_Social_non_Discrimination_policy.PDF

https://iqac.annauniv.edu/Sustainability/Policies/AU_UDs_Gender%20Empowerment%20and%20Social%20Equity%20Policy.pdf

PoSH Awareness Programmes:

<https://www.annauniv.edu/POSH/program.pdf>

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	https://www.annauniv.edu/WomenEmpCentre/program.php
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	https://www.annauniv.edu/WomenEmpCentre/facilities.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Food Waste Management:

The hostel zone generates food, vegetable, paper, and cloth wastes, whereas the academic zone generates food and paper waste. The organic wet waste from hostel kitchens, mess, and canteen is sent to the biogas plant. The gas generated is used for cooking purposes at the hostel kitchens, and the slurry generated is used as fertilizer in the organic farm at the campuses.

Liquid Waste Management

The Sewage Treatment and Recycling plant of the Main and MIT campus can treat average of 9 lakh litres of water per day. The treated wastewater irrigates lawns and gardens through Sprinkler Irrigation Systems.

Non-degradable Waste Management

Biomedical Waste Management

The medical waste generated at the health centre is collected in different color-coded bins, red - all infectious plastics waste, white - objects such as syringes, yellow - highly infectious waste, and blue - infectious glass sharps.

E-Waste Management

E-Waste collected in the campuses is auctioned for disposal through authorized agencies by the respective departments. The Central facilities' e-waste materials are auctioned by the Estate Office/respective sections. There is also a procedure in place for condemned computers, printers, etc., to be disposed under buy-back schemes.

File Description	Documents
Upload relevant supporting document	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **A. Any 4 or All of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: **D. Any 1 of the above**

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

Anna University promotes inclusivity and cultural harmony through vibrant celebrations like Pongal, Onam, and Diwali, alongside international outreach initiatives like exchange programs and collaborations with foreign universities.

International students

Regional Integration: Student clubs and associations cater to regional communities, providing a home away from home and fostering a sense of belonging.

Student club

Anna University is committed to fostering inclusivity through various initiatives. English language support programs aid students from diverse linguistic backgrounds, while accessibility services ensure equal opportunities for students with disabilities. A robust anti-discrimination policy promotes mutual respect, complemented by sensitization workshops challenging stereotypes. Mentorship programs offer guidance, particularly to

students from diverse backgrounds, and student council representation ensures all community needs are addressed. These efforts aim to create an environment where students feels valued, respected, and empowered to excel.

Independence day

Planted plants in the Department of Electronics Engineering as part of Independence Day.

World Environment Day

A session theme, 'Only One Earth.'was conducted to create awareness about e-waste management.

Proofs:

Collaborations for Exchange Programs:

<https://annauniv.edu/cir/pdf/jlc.pdf>

https://www.cesannauniv.in/2023_5.php

<https://www.annauniv.edu/sports/NSO%20ACTIVITIES%20FOR%20WEBSITE.pdf>

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The Department of Manufacturing at Anna University integrates constitutional awareness throughout student and staff activities. Renowned legal experts conduct guest lectures, while community outreach includes voter registration drives. National days are celebrated, and a clear code of conduct promotes ethical behavior. Grievance redressal mechanisms ensure fairness, and continuous dialogue fosters responsiveness to evolving needs, cultivating an informed and engaged citizenry.

Sensitization of students and employees of the institution to constitutional obligations:

Madras Institute of Technology, Anna University, fosters civic

values among students and staff. Independence Day and Republic Day are celebrated with flag hoisting, pledge-taking, and distribution of traditional sweets. Additionally, International Day of Yoga is observed, promoting unity and the health benefits of yoga among students and staff.

Cultural programs by students follow, honouring academic and co-curricular achievements. Additionally, a fellowship breakfast promotes equality among staff and students. The university's Centre for Empowerment of Women facilitates economic, social, and cultural empowerment, while courses like the Constitution of India and Personality Development instill civic values.

Proofs:

https://iqac.annauniv.edu/Sustainability/sdg16_1.html

<https://www.annauniv.edu/sports/>

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. Annual awareness programmes on Code of Conduct are organized.

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Anna University Celebrates and organises the national and international commemorative days, events and festivals. Especially IOM EIACP (Environmental Information, Awareness, Capacity Building and Livelihood Programme) Centre on the subject area "Coastal Zone Management (CZM) and Coastal Shelter Belt (CSB)", which is funded by the Ministry of Environment, Forest and Climate Change, Government of India, will celebrate and organises Environmental days throughout the year. Also the EIACP conducts various

competitions during these environmental days to spread awareness among school students and the public to maintain a sustainable environment. Additionally, the center diligently organizes Capacity Building Programs and workshops and conducts Mission LiFE initiatives, which are meticulously documented and regularly updated on the EIACP web portal. This collaborative effort embodies a commitment to holistic environmental production and community engagement, contributing significantly to the collective understanding and sustainable management of coastal ecosystems and the surrounding environment.

- Hariyali Saptah Week on 09.07.2022
- Independence Day celebration on 13-08-2022
- World Ozone Day on 19-09-2022
- International Day for Climate Action on 28-10-2022
- World Fisheries Day on 21.11.2022
- National Pollution Prevention Day on 02-12-2022
- International Environmental Education Day on 27-01-2023
- World Wetlands Day during 02-02-2023 and 03-02-2023
- National Science Day during 28.02.2023 & 01.03.2023
- World Water Day on 22.03.2023
- World Environment Day on 05.06.2023
- World Ocean Day on 09.06.2023
- International Yoga Day on 21.06.2023

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

Anna University's curriculum is meticulously designed to meet diverse developmental needs at local, national, regional, and global levels.

Locally, programs like Civil and Mechanical Engineering in Tamil enhance accessibility for indigenous students.

Nationally, multidisciplinary programs foster innovation in fields like Mechanical, Computer Science, and Medical Sciences, addressing the demand for professionals in AI and Data Science. In tune with the Tamil Nadu Government's vision and alignment with national needs, the University has a culture of inter- and multidisciplinary programmes across various disciplines, and it adequately fulfills the requirements of society and industry.

Regionally, the focus on Leather, Apparel, and Textile Technology reflects Tamil Nadu's economic importance alongside cutting-edge disciplines like Robotics and Bio-Medical Engineering.

Globally, export-oriented programs prepare graduates for international competitiveness, ensuring they contribute to global technological advancement.

The Institution has adopted the Learning Outcome Framework as envisaged by AICTE and UGC and has carefully coined POs, PSOs, and COs for all the academic programs offered. Out of the 110 courses across all programs, nearly 40% are in various thrust areas like energy, water, agriculture, healthcare, and green technologies.

The courses taught under various programs empower the students and provide a wide range of technical skills and knowledge to contribute to the nation's development and help it emerge as a global leader.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

2758

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

344

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

110

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

A dedicated set of 210 courses offered under UG and PG programmes are designed to address the Crosscutting issues. The courses cover a broad range of topics that includes Ethics, Human Values, Disaster Management, Gender, Society, Media, Culture, Climate Change, Environment, Sustainability, Laws and Rights, Pollution, Waste Management, Unnat Bharath Abhiyan, Constitution of India, Yoga, Value education, Pedagogy Studies, Stress Management, Personality Development through Life Enlightenment Skills.

Students are exposed to courses on Values and Ethics, Human Relations at Work, Psychological Processes, Education, Technology and Society, and Philosophy, and Applications of Psychology in Everyday Life. Environmental Sciences is a mandatory course under all the UG programs. English for Research Paper Writing, Value Education, Pedagogy Studies, Sanga Tamil Literature Appreciation and Personality Development through Life Enlightenment Skills are some courses that benefit students. A few courses, viz., Language and Communication, Gender and Water, address gender issues, including empowerment, social stratification, health, etc.

Students' participation in personality and character development programmes is mandatory in the curriculum. In the National Service Scheme, students undergo training for about 80 hours, which includes hygiene and health awareness classes and first-aid training. The students also undertake social service activities in and around the institution. National Cadet Corps (NCC) has about 20 parades. National Sports Organization (NSO) has sports, games, drills, and physical exercises. Youth Red Cross (YRC) organizes many blood donation camps, health camps, and social services in and around institutions.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

39

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

880

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

2121

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

4480

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

2447

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Opportunities for fast learners include adding courses from the

third semester onward, up to 8 credits, with a maximum of 2 courses. This allows them to undertake semester-long project work or internships. Additionally, fast learners can opt for self-study courses from the fifth semester onward, provided they have no current arrears and maintain a CGPA of 8.0 or above.

For slow learners, there is flexibility to drop a maximum of eight credits spread across a maximum of two courses per semester. In case of failure in theory or laboratory courses, students can appear for supplementary exams. A one-time supplementary exam option is available within 30 days of result declaration for VIII-semester failures. Moreover, if a student fails in VII or VIII semester project work, they can resubmit the report within 30 or 60 days, respectively.

To further support slow learners, a redo option is proposed for content they struggle with, providing them with additional opportunities for mastery.

Proof:

Induction Programme

https://iqac.annauniv.edu/NAAC%20AQR%202022-23/NAAC%20AQR%2022-23%20PROOFS/Criterion_5/5.1.3_Proofs/5.1.3_Induction%20Programme_DEEE.pdf

Opportunities for Advanced & Slow Learners

<https://cac.annauniv.edu/udregulations/00.%20UG%20Reg%202019.pdf>

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://cac.annauniv.edu/udregulations/00.%20UG%20Reg%202019.pdf

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
11396	891

File Description	Documents
Upload relevant supporting document	View File

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

Experiential learning at Anna University encompasses diverse activities such as project work, internships, seminars, and practical training, fostering holistic skill development. Through NaalayaThiran, a collaborative initiative with industry giants like NASSCOM and IBM, students gain practical exposure in "Professional Readiness for Innovation, Employability, and Entrepreneurship," earning 3 credits. The RUSA Innovative Curriculum 2018 for Computer Science and Engineering also integrates hard-core and soft-core courses, with external learning opportunities adding 1 credit to each subject. Emphasizing participative learning, methods like group discussions and problem-solving assignments enrich the educational experience. With nearly 80% of courses integrating theory with practical components, students acquire comprehensive knowledge and practical skills, preparing them for real-world challenges in their respective fields. This multifaceted approach ensures students' readiness for the dynamic demands of the industry and enhances their employability and entrepreneurial potential.

Proof:

Naalaya thiran

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%2022-23%20PROOFS/Criterion_2/2.3.1_Proofs/Hod's_nalaya_thiran_2.3.1.pdf

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%2022-23%20PROOFS/Criterion_2/2.3.1_Proofs/UD-Department-guidelines_Nalaya_Thiran_2.3.1.pdf

Tamil Nadu Skill Development courses

<https://www.tnskill.tn.gov.in/>

Creative and Innovative Project

[https://cac.annauniv.edu/udregulations/00.%20UG%20Reg-2015%20\(Final\)%20-%2028.01.2019.pdf](https://cac.annauniv.edu/udregulations/00.%20UG%20Reg-2015%20(Final)%20-%2028.01.2019.pdf)

RUSA Innovative Curriculum

<https://cac.annauniv.edu/udregulations/RUSA%20Regulations2018.pdf>

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The educational institution boasts a range of ICT-specific facilities aimed at enriching learning experiences. These include access to e-books, e-journals, and various other ICT services like the Digital Knowledge Centre (DKC), Inter Library Network, and OPAC. Additionally, the provision of tablets for e-resources access and web-based library information enhances accessibility. The Educational Multimedia Research Centre (EMMRC) complements traditional teaching methods with satellite/TV-based resources such as e-content, video lectures, and documentary programs since its inception in 1985 under UGC CEC's NME ICT initiative. Notably, it has significantly contributed to the Prime Minister's Digital India initiative by developing programs for the SWAYAM Portal. Furthermore, the utilization of Microsoft Teams as a learning management platform has revolutionized online teaching, resource management, assessments, and research forums. The institution also integrates MOOCs, e-Patasala, and a rich array of e-resources available in the library to further enrich the educational landscape.

Proofs:

Inter Library Network:<https://library.annauniv.edu/>

Swayam:<https://swayam.gov.in/>

EMMRC:<https://www.annauniv.edu/emmrc/>

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year**2.3.3.1 - Number of mentors**

450

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality**2.4.1 - Total Number of full time teachers against sanctioned posts during the year**

891

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. during the year

619

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year**2.4.3.1 - Total experience of full-time teachers**

11366

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during

the year

13

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

58.59

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

58.59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

1

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

The evaluation of the teaching-learning process is paramount for maintaining educational quality. Our institution employs various mechanisms to facilitate this evaluation, including department Multiple Courses Committee (MCC) Meetings, Department Consultative Committee (DCC) meetings, structured assessment tests, end-semester examinations, online Student Feedback, and Academic Audit.

Recent reforms to examination procedures have introduced significant improvements. Firstly, shifting to a three-part question paper format from a two-part pattern enables a more comprehensive evaluation of students' understanding, mainly through Part C questions, reflecting higher-order thinking skills at Bloom's Taxonomy Level. Adopting a Secure Online Question Paper Delivery System (SOQPDS) and the barcoding of answer books ensures enhanced security and efficiency in the examination process, demonstrating Bloom's Taxonomy Level 3 (Application).

Additionally, the introduction of Intranet-based systems for Academic Record Maintenance (ARMS) and Student Examination Management Systems (SEMS) streamlines data management, facilitating quick information dissemination to stakeholders, reflecting Bloom's Taxonomy Level 2 (Comprehension and Application). Furthermore, the Open-day Reevaluation system offers students transparency and opportunities for clarification, reflecting Bloom's Taxonomy Level 6 (Synthesis and Evaluation).

These measures collectively enhance transparency, communication, and efficiency in assessment and examination management, benefiting students, faculty, and administration.

Proofs:

SEMS:<https://acoe.annauniv.edu/sems/>,<https://acoe.annauniv.edu/Home/examination>

Open day:<https://acoe.annauniv.edu//notification/Circular.pdf>

QP format:https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/PG%20Full%20Time%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System

(EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The globally recognized graduate attributes endorsed by the Washington Accord serve as the foundation for program outcomes (POs) across undergraduate programs, supplemented by program-specific outcomes (PSOs) tailored to each program. This ensures the maintenance of high-quality engineering education standards. Syllabi are crafted to meet desired course outcomes, harmonizing with POs and PSOs to construct a comprehensive course articulation matrix. This matrix, encompassing various course types, collectively contributes to fulfilling the graduate attribute requirements of each program. It enables evaluating students' cognitive, affective, and psychomotor learning levels, facilitating individual and class-wide assessment.

Anna University's approach integrates Outcome-Based Education (OBE) into teaching, assessment, and evaluation processes through dedicated templates for examination question papers and specialized logbooks/attendance registers. These principles are widely discussed across academic forums. Incorporating a co-po articulation matrix into question papers enhances this integration, aligning course outcomes with program objectives. This transparency fosters accountability and empowers students to monitor their progress about the program's broader goals and expectations. Approved by various academic bodies within the university, this approach ensures a coherent and effective educational framework.

Proofs:

https://iqac.annauniv.edu/NAAC%20AQR%202022-23/NAAC%20AQR%202022-23%20PROOFS/Criterion_2/2.6.1_Proofs/AU_CAC_DCE_2.6.1_COPO.pdf

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/PG%20Full%20Time%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.5.3_Proofs/UG%20Full%20Time%20%20CBCS%20%20Regulation%202019%20QP%20Format_2.5.3.docx

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The CO attainment levels were obtained from Continuous Internal Assessments (CIA) and End Semester Examinations (ESE), and they have been compiled to represent the overall attainment of the course. The percentage of students attaining the defined targets set by the teachers on each CO was calculated and categorized into low, medium, and high levels for every course offered. The gaps in attainment are further analyzed, and contributing factors are addressed through action-taken reports. Further suggestions for continuous improvement are provided.

The percentage of attainment obtained for each CO of the course is multiplied by the course articulation matrix to determine the individual course's contribution to the direct attainment of POs and PSOs. The POs and PSOs for all courses are computed, averaged, and given at least 80% weightage under direct attainment. Data related to POs and PSOs for indirect attainment are collected based on student exit surveys and alumni feedback. A weightage of up to 20% is assigned for indirect assessment. The combined values of direct and indirect attainment of POs and PSOs are compared with the batch's target value based on the department's criteria for the respective program.

Proofs:

https://cac.annauniv.edu/uddetails/udug_2019/AmmendII/Civil/B.E.Civil.pdf#page=2

https://iqac.annauniv.edu/NAAC%20AQAR%202022-23/NAAC%20AQAR%202022-23%20PROOFS/Criterion_2/2.6.2_Proofs/AU_ACOE_2.6.2_ACADEMIC

_AUDIT.pdf	
File Description	Documents
Upload relevant supporting document	View File
2.6.3 - Number of students passed during the year	
2.6.3.1 - Total number of final year students who passed the university examination during the year	
3237	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
2.7 - Student Satisfaction Survey	
2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)	
https://iqac.annauniv.edu/Feedback%20and%20Exit%20Survey%202022-23/EXIT%20SURVEY%202022-23/	
RESEARCH, INNOVATIONS AND EXTENSION	
3.1 - Promotion of Research and Facilities	
3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented	
<p>Research Promotion Policy:</p> <p>Anna University has built a robust research and innovation ecosystem through,</p> <ul style="list-style-type: none"> • Seed money to fresh recruits to establish their laboratories and kick-start their research. • International travel grants to faculty and students to enable them to participate and present papers in International Conferences. • Funding for start-ups to faculty and students. 	

- Awards and Recognition for Research Excellence.

Major research facilities

The major research equipment more than fifty lakhs facilitates state-of-the-art research in thrust areas.

- National Hub for Healthcare Instrumentation and Development (NHHID)

(<https://www.nhhid.org/>)

- National Centre for Sustainable Coastal Management (NCSCM)

(<https://ncscm.res.in/>)

- Crystal Growth Centre (CGC).

(<https://www.annauniv.edu/CGC/index.php>)

- Centre for Research (CFR)

The Centre for Research (CFR) functions wholly through e-governance with the following scope:

- Admission into Ph. D and M.S. (By Research) research programmes conducted twice a year as per UGC norms.
- Research and Post-Docs Fellowships (JRF, SRF, PDF & Faculty Fellowships) funded by agencies like UGC, SERB, CSIR, ICMR, ICSSR & AICTE are operated.
- Supervisor and Research Centre recognition, and admission of research scholars.
- ACRF (Anna Centenary Research Fellowship) was given to 50 scholars, and a revised Anna Research Fellowship (ARF) was launched in 2022, catering to 150 scholars.
- Research Product Exhibition is conducted to showcase

research innovations on 'Technology Day'.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

11.95

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

71

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research
Central Instrumentation Centre
Animal House/Green House
Museum Media laboratory/Studios
Business Lab Research/Statistical Databases
Moot court

A. Any 4 or more of the above

Theatre Art Gallery	
File Description	Documents
Upload relevant supporting document	View File
3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year	
10	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.2 - Resource Mobilization for Research	
3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)	
71.72	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)	
2790.9	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year	
0.42	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Anna University has a well-defined ecosystem that includes innovation and incubation hubs along with national facilities listed as follows:

National Facilities

Technology Enabling Centre (TEC)

https://ctdt.annauniv.edu/dst_tec_1/

- The primary objective of TEC is to enable the commercialization of technologies that are emerging thrust areas and socially relevant.
- TEC acts as a channel between the Industry and Anna University for anything related to entrepreneurship ventures across Tamil Nadu.

University Innovation Cluster (UIC)

<http://www.uicbannauniv.com/>.

- E-YUVA Centre has been funded by Biotechnology Industry Research Assistance Council (BIRAC) in collaboration with Anna University.

National Hub for Healthcare Instrumentation Development (NHHID)

<https://www.nhhid.org/about-nhhid.php>

- The National Hub for Healthcare Instrumentation Development (NHHID) - a national facility to cater to the needs of healthcare instrumentation.

Innovation Hub

Centre for Sponsored Research and Consultancy (CSRC)<https://ctdt.annauniv.edu/>

- Research Funding and Support
- Interdisciplinary Collaboration

Centre for Intellectual Property Rights (CIPR)<https://www.annauniv.edu/ipr/>

- Functioning as the nodal centre to assist Industries, Small and Medium Entrepreneurs, Educational and Research Institutions for IPR related matters.

Centre for University-Industry Collaboration (CUIC)<https://www.annauniv.edu/CUICCentre/>

- CUIC acts as the interface between Anna University and its industry partners and works with its industrial partners towards the implementation of CSR (Corporate Social Responsibility)

Incubation HubCentre for Entrepreneurship Development (CED) <http://auced.com/>Atal Incubation Centre (AIC) <https://annaincubator.org/>**E-YUVA Centre (University Innovation Cluster)**<https://www.uicbannauniv.com/>

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

50

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

50	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

50	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- 3. Plagiarism check**
- 4. Research Advisory Committee**

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

**3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards
Commendation and monetary incentive at a University function
Commendation and**

A. All of the above

medal at a University function Certificate of honor Announcement in the Newsletter / website

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

107

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

242

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

1515

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

492

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

B. Any 4 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
6.05	4.60

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
42	29

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Introduction:

Consultancy work can be taken up to solve problems referred by industries, institutions, government agencies and corporations, societies and any other bodies, including professionals / individuals wherein the professional expertise and knowledge of the faculty members (Consultants) as well as the infrastructural facilities of the University will be utilized.

Policy Framework:

Anna University has established a policy framework that governs consultancy activities, outlining the procedures, responsibilities, and guidelines for faculty members engaging in consultancy work. The policy ensures transparency, accountability, and compliance with relevant regulations and ethical standards.

The key features of the consultancy policy of CSRC are as follows:

- The CSRC formulates guidelines, including revenue sharing between the institution and the individuals and encourages the faculty to undertake consultancy.
- The CSRC encourages faculty to undertake consultancies with external agencies by applying their expertise and specific knowledge base, in turn serving society.

Retainer Consultancy

The faculty members can provide advisory services, without

using the facilities at the University, either at the place of the client or in the University. The Consultancy charges shall not be less than Rs. 10,000/- per day plus taxes, as applicable.

Revenue sharing details:

On the total consultancy amount after deducting the respective taxes, as applicable, the following distribution will be made.

1. Anna University overheads - 7.5%
2. Dept / Centre Overheads - 7.5%
3. CSRC Overheads - 15%
4. Consultant remuneration including all expenditure - 70%

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

3244.7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Anna University organizes several extension activities in the institute-neighborhood community through NSS, NCC, and YRC to sensitize the students toward community needs.

Extension activities through NSS

(<https://ceg.annauniv.edu/NSS.html>)

- Mass Plantation on 06.04.2022 (48 Volunteers).
- International Yoga Day is celebrated on 21.06.2022 at Raj Bhawan (90 Volunteers)
- FIT India freedom run marathon was held on 05.07.2022. (50 Volunteers)
- A waste collection drive was conducted from 03.06.2022 to 05.06.2022.(62 Volunteers)
- NSS conducted an Awareness talk on sustainable development, role of science and technology in 75 years of independence on 03.08.2022 (75 Volunteers)
- Awareness rally on the use of handloom and Khadi products organized on 07.08.2022 (100 Volunteers).
- A rally to promote the celebration of green Diwali in Chromepet on 20.10.2022 (75 NSS Volunteers)
- State Level Youth Parliament Festival was conducted in front of great dignitaries on 07.02.2023. (60 Volunteers)

Extension activities through NCC

(<https://aunccarmy.vercel.app/>)

- Cadets of NCC Navy CEG involved in organic farming at organic farm, Anna university on 20.02.2023 (60 volunteers).
- UDHIRA is a blood donation campaign in collaboration with Adyar Cancer Institute. (16 Cadets)
- Puneet Sagar Abhiyan' is a campaign to clean water bodies and increase the awareness amongst the local population

Extension activities through YRC

(<https://www.annauniv.edu/ycr/index.html>)

- Proper guidance to visually challenged people to face

academic and competitive exams.

- Youth Red Cross Blood Donation and Eye-check-up Camp.
- Around 50 plants are planted and maintained by Green team of YRC.

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

122

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

5784

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

144

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

54

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Anna University makes every effort to ensure that the best facilities are provided to the stakeholders. The University has a dynamic infrastructure policy considering the available physical resources and projections for the future. The University, during the period under assessment, expanded its

infrastructure facilities with a budget of Rs. 680 crores. Classrooms and Laboratories University Departments of Anna University are in the Main (CEG, ACT, and SAP) and the MIT campuses. 410 classrooms (with 89% ICT enabled), 28 drawing halls, 560 laboratories, 4689 computing facilities, 40 seminar halls, and 9 auditoria are distributed in these campuses. Besides, three new teaching complexes with additional classrooms have also been added in the past 5 years. Most of the classrooms have digital facilities with LAN/Wi-Fi connectivity. The Ramanujan Computing Centre is the central computing facility at Anna University. Computing facilities are also set up in every department to provide easy access to students. There are 4689 computers with a student/computer ratio of 3:1. The internet bandwidth is more than 2 Gbps. State-of-the-art facilities are provided for the faculty and students to enrich their studies and research, which include 34 ML workstations with high-end NVIDIA GPU, Adobe Suit Design lab, exclusive 24/7 200 computers to conduct classes and research, more than 10 Web and Application Servers for hosting the University website and applications used by various centres, department details, unlimited MATLAB license for research, Jupyter lab hosted in server for students access, etc. Laboratory Facilities Every department has well-equipped, state-of-the-art laboratory facilities. Special grants of Rs. 75 crores was allotted for lab modernization.

File Description	Documents
Upload relevant supporting document	View File

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

Facilities for Cultural activities

- Vivekananda Auditorium (1200 capacity - with centralized AirConditioned, green room, and projection facilities)
- Tag Auditorium (300 capacity - with centralized AirConditioned, green room, and projection facilities)
- Rajam Hall (300 capacity - with centralized Air-Conditioned, green room, and projection facilities)
- Aircraft Hangar (1500 capacity)
- Open Air Theatre (OAT) (1000 capacity) - 3 Nos

Facilities for Indoor/Outdoor activities: For Indoor

- Yoga Open Hall
- Basketball Court - Synthetic Court
- Badminton Court
- Synthetic Tennis Court
- Boxing Facility
- Billiards
- Twister Aerobics Exercise
- A/C Gym Facility (Separate for Boys and Girls)
- Carrom Board Facilities
- Chess Board Facilities

For Outdoor

- Volleyball Court - 03 Nos
- Hand Ball Court - 03 Nos
- Outdoor Badminton Courts -02 Nos
- Outdoor Gym Facility- 03 Nos Synthetic Tennis Court - 02 Nos
- Kho - Kho Court - 03 Nos
- Kabaddi Court - 02 Nos
- Mud Tennis Courts - 04 Nos
- Swimming Pool (Area 9266 sq.ft)
- Foot Ball Field - 02 Nos
- Cricket oval - 06 Nos
- Hockey field with all amenities Running Track & Field with all facilities - 400-meter track at MIT & CEG Campuses.
- Artificial Wall Claiming Fitness Facility
- Vaulting and Ground Equipment
- Facilities for Student Activities - Technical/Cultural Festivals

All the student-related technical and cultural festivals are conducted in the indoor and outdoor auditoria of Anna University, namely Vivekananda auditorium, TAG auditorium, Rajam Hall, Aircraft Hangar, 3 Open Air Theaters, etc.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

The overall ambience and general campus facilities of Anna University are a valuable addition to the Teaching, Learning, Research, and Extension activities. The campus is green,

environment friendly, and well-connected. It provides a comfortable and creative environment to both faculty and students. In addition to 410 classrooms, 70 computational facilities, 560 laboratories, 03 libraries, 44 hostels, and sports facilities, the following facilities are also provided in the University to meet the needs of the faculty and students.

Residential quarters of 352 numbers for faculty and staff.

University Guest House of 4 numbers to accommodate guests and parents.

Two Health Centres (Main & MIT campuses) are equipped to handle emergencies and routine medical needs.

Health Insurance for staff and students. Secure, high-speed internet service of more than 2 Gbps is provided to faculty and students through NKN and major service providers.

All the network traffic is secured and load balanced by NGFW firewall & Web Application Firewall (WAF).

Secured Wi-Fi facility is provided through 900 indoor access points & 200 outdoor points. Internet trees with Wi-Fi hotspot and electrical fittings for charging paves the way for accessing the internet seamlessly (CEG - 14, ACT-2 & SAP-1, MIT-6).

Rich computational resources include 28 high-end servers, 40 TB SAN storage devices, and workstations extensively utilized by students & research scholars.

IPSec VPN connectivity for accessing Intranet applications (Main & MIT Campuses) Banking facilities SBI, Canara Bank, Indian Bank, and ATMs to satisfy the banking requirements of faculty and students.

Dining facilities include canteens, cafeterias, mega mess, food court (with digital billing facility), and restaurants.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

6313

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Central Library in the University houses a massive collection of 2,73,493 books, 44999 journal back volumes, 2500 e-books, 30000 e-journals/databases. It serves the University departments' faculty, students, and scholars. An average of Rs. 5 crores is allocated every financial year to purchase books, journals, and e-resources.

Automated Library Management

Library Resources and Services have been automated through the AutoLib - Library Management Software (ILMS) integrated with RFID since 2006. The ILMS performs all library functions, such as the circulation of books and a web-based search interface for users through OPAC (Online Public Access Catalog). Using OPAC, users can search the library online catalog by Author, Title, Subject, and Keywords. The users can know the recent additions of periodicals and books and the status of documents with location (whether on the shelf or issued). AutoLib supports the SMS-based alert system for book issues, return/renew/overdue, and book catalog creation. RFID technology supports the technology-enabled automatic circulation of books. A smart card-based user entry system helps improve library services and generates footprint reports. Surveillance cameras are installed in various places in the library to monitor user activities.

Digitization through Digital Knowledge Center (DKC) The library has a full-fledged Digital Knowledge Center with 50 computers. The DKC is a gateway to eresources, a one-stop-shop for nascent information handling and transfer, and a boon to the knowledge seeker. A competent team of library professionals maintains the

University library web page. It is updated every week.

<https://library.annauniv.edu/>.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

353

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

15605

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

368

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Anna University provides state-of-the-art communication, software development, and computational services to meet the dynamic needs of University departments through the Ramanujan Computing Centre (RCC). Realizing the need for state-of-the-art IT infrastructure, essential for teaching, research, and extension, Anna University has invested an average of about Rs. 1 crore for the upgradation of IT infrastructure in the last 5 years. The University has an approved IT policy emphasizing content creation, ownership, transfer, usage, backup, recovery, rental, disposal, security, and privacy. It has adequate facilities for legal/disciplinary actions in case of violation.

Salient features of the IT Policy: Governance of computing and networking resources across four campuses. Expert committee approved IT specifications, purchases, and installations according to accepted standards and guidelines. Accessibility control of IT resources. Monitoring of all computing and networking resources. Adherence to the policy during purchase itself.

Process of implementation and adherence to the policy The implementation and enforcement of compliance with the below mentioned IT policies are entrusted with Ramanujan Computing Centre:

Access control policy: Administrators, Faculty, Administrative, and Technical staff are categorized, and access privileges are provided based on Vice Chancellor's approvals. Authentication to some of the services is through Active Directory. Data log and retention policy: All data pertaining to web servers, firewalls, and access logs are stored and retained for 15 days. Confidential data access policy: Payroll, marks, and employee details maintained at RCC are access controlled to approved personnel only.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
11396	4689

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- ?1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

5285

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The classrooms in Anna University are maintained by the Estate Office in the University. The Laboratories are maintained by the respective Departments/Centers by the technical staff under the supervision of the Head of the Department/Director. An average of Rs. 200 crores is sanctioned for the annual maintenance of facilities which is taken care of through the AMC signed with the company/by the service personnel appointed for the same. Being a technical University, an in-house facility is available to maintain various physical facilities. The Ramanujan Computing Centre maintains all the computer facilities. The Director of the Library ensures proper maintenance of the physical facilities available in the library. The Physical Director, along with multi-tasking workers, ensures proper maintenance of sports facilities. The Estate Office has a separate wing for the maintenance of infrastructure facilities. The IT infrastructure policy of the institution spells out its expansions/upgradation and maintenance of the IT infrastructure of the University. Annual maintenance week is observed every year during January. There is a well-defined procedure and open tender has been followed for

Maintaining Computer support facilities.

Maintaining Academic support facilities.

Maintaining Physical support facilities

Other periodic maintenance Procedures and rules followed for civil and electrical works Procedure (Tendering and awarding).

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

6401

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

3841

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

• All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

152

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

2189

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

215

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

91

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Student representation in the Executive Committee of IQAC was done in the 8th Meeting of IQAC, held on 05.07.2023. Ms. Meenakshi, Vice President of SAAS of CEG, and Mr. A. Dhoufic Hussain, Vice President of the Student Quality Council, were included as Student forum representatives.

Student council members are elected as office bearers of Athenaeum, with the positions of Chairman, Programme secretary, General Secretary, Treasurer, Lady representative, and PG representative. The elections were conducted for the year 2022-23. The council members' responsibilities are to maintain unity among students on campus and to develop a good environment inside the campus.

Students' association functions in each department, and every year, they organize technical symposiums, exhibitions, and guest lectures. The departments also have student chapters of international and national engineering associations such as IEEE, ACE, the Indian Institute of Chemical Engineers, the Institution of Engineers, the Society of Petroleum Engineers, the Indian Ceramic Society, etc. Student associations of the various departments have arranged 50 programs.

There are more than 23 Clubs with specific themes and objectives for student welfare. CEG Technical Forum, with 41 student members, organizes a UNESCO-recognized Techno-Management festival, 'Kurukshetra,' annually.

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

57

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

CARCA (Centre for Alumni Relations and Corporate Affairs) was established by amalgamating 4 institutions: CEG, MIT, ACT, and SAP. The Anna University Alumni Association has started chapters (11) in Mumbai, Hyderabad, Bangalore, Calcutta, New Delhi, Trichy, Kochi, North America (CEGANNA), Singapore, Kuwait, and Dubai.

The Associations contribute 58 lakhs, which encourages students' effective engagement in all activities. AACEG creates opportunities for students to display their talents by providing 95 endowment awards and 11 endowment lectures in the memory of eminent Faculty/Alumni in the field of their specialization every year.

The CEG Alumni support student activities such as cultural and technical festivals and events, career guidance programs, periodic endowment lectures, financial assistance (tuition and hostel fee), public awareness programs, and helping during national calamities. The Association honors distinguished alumni, celebrates Alumni Day, Genesis Day, Teachers Day, and Alumni Sports Day, and publishes monthly newsletters highlighting all the activities. The statue of the distinguished former alumnus Dr.A.P.J Abdul Kalam, dedicated by MIT Alumni, was opened on the MIT premises. The construction of the Alumni Centre Annex was proposed and approved in the Syndicate, and the foundation stone was laid on 3rd February 2023.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	A. ? 5Lakhs
File Description	Documents
Upload relevant supporting document	View File
GOVERNANCE, LEADERSHIP AND MANAGEMENT	
6.1 - Institutional Vision and Leadership	
6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance	
<p>Anna University's vision is to be a world-class institution transforming the student into a successful professional with high technical knowledge, professional skill and ethical values. The University has an excellent ecosystem to perform Academic, Research and Innovation Activities. Students excel in technical and non-technical events by showcasing their technical potential and managerial and professional skills.</p> <p>Anna University envisioned to remain as a preferred partner to the industry and community. A significant number (32) of MoU/MoA is executed with industry and academic institutions to elucidate it. The students indulge in activities for the benefit of society through the National Cadet Corps (NCC), National Service Scheme (NSS), Youth Red Cross (YRC), etc.</p> <p>University also provides economic and social development through excellence in teaching, research and consultancy. Addressing societal needs by introducing new programmes. The university has received research funding to the tune of 15 crores and 42 crores through consultancy. A total of 30 patents have been granted during 2022-23. University also acts as a catalyst in encouraging the entrepreneurs of start-ups. To summarize, Anna University is recognized as a point of reference, a catalyst, a facilitator, a trend setter and a leader in traditional education.</p>	
File Description	Documents
Upload relevant supporting document	View File
6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management	

The effectiveness of leadership in the University stems from the fact that leadership roles are decentralised through a pure two-tier system that prevails in the administration of the University. Thus, responsibility and authority are decentralized, with necessary financial powers for participative management. Both administrative and financial powers are vested with HoDs and Directors.

As far as the academic administration is concerned, the HoD of each department is guided by the Department Consultative Committee (DCC). The DCC consists of faculty at different levels and 2 from another department. Thus, the Faculties, along with directors of autonomous administrative centres, play a major role in the participative management of the University's academic administration.

As far as autonomous centres are concerned, they are either mandated with an administrative role or equipped with expertise with a mandate to excel in certain research fields. These centres, being autonomous, have their budgets operated through their bank accounts, and hence, the bills are passed and payment released by the Director itself. The revenue generation, expenditure, and performance metrics are presented periodically in the executive committee chaired by the Vice-chancellor.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

A Committee has been constituted to prepare the Strategic plan considering Research, Course Programs, Finance, Internationalisation, Placement & Internship, Innovation & Entrepreneurship, Student Life, Infrastructure, Human Resources, Alumni & Corporate Relations.

The Roadmap indicated below summarises the Strategic targets.

File Description	Documents
Upload relevant supporting document	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Anna University enjoys full autonomy, with the Syndicate chaired by the Vice-Chancellor as the supreme body making policy decisions. Policy decisions by the Syndicate are implemented by an effective administrative setup involving the Registrar, Finance Officer, Controller of Examinations, Additional Registrar, Deputy Registrars, Professor (Estate Office), Deans of Campuses, Directors of Centres, Heads of the Departments, other statutory officers. Internal auditing, concurrent auditing, and legal sections ensure accountability, compliance with statutory norms, and transparency.

Functions of various bodies, conduct and service rules, procedures, recruitment, promotional policies, and grievance redressal mechanism are as per the Anna University Act (1978), Statutes, Ordinances, and Regulations. The powers and functions of various bodies are well enunciated in the Rules, which help the statutory bodies to monitor the entire functioning of the University effectively. The statutory committees make all the key decisions prescribed by the regulatory bodies. The Recruitment Cell coordinates the recruitment of faculty members and staff and the promotion of faculty members through Career Advancement Schemes (CAS) as per the UGC/AICTE/TN State Government norms. The Centre for Admission carries out admission-related activities as per the norms.

Service Rules and Procedure:

?To Implement AICTE norms approved by the State Higher Education for Engineering and Technology.

?To implement UGC norms approved by the State Higher Education for Science and Humanities.

?To implement state Government Policies for the recruitment of non-teaching Staff

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

Performance and Potential Assessments based on performance in academics, research, and other contributions also include a 360-degree feedback mechanism. The unit Head reviews them.

Promotional avenues, as per the norms of the regulatory authorities and the state government, include the timely conduct of career advancement schemes (CAS) to promote faculty and other staff members.

Welfare measures for teaching and non-teaching staff, as summarized below: Staff Quarters, Health Center, Group Health Insurance Scheme, Loans, and Recreational Facilities such as Sports/Swimming Pool/Gym.

CSRC motivates the faculty by presenting them with the yearly Distinguished Researcher, Active Consultant, Innovation, and Technology transfer awards.

Paid Vacation with 45 days in summer and 15 days in winter.

The faculty and staff are eligible for LTC and surrender leave

salary as per the State government norms.

Centre for Empowerment of Women and Prevention of Sexual Harassment (POSH) to improve the quality of professional life and maintain an environment free of sexual violence, harassment, exploitation, and intimidation for its female employees and students.

A Daycare Centre functions on both Campuses, catering to the daycare needs of the employees' children.

Anna Gem Science Park School with a 50% fee concession is provided for children of staff.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

181

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

80

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

193

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Funds are mobilised through research funding to the tune of 1446 lakhs have been received during the period 2022-23. The Institution has also obtained support under various schemes at Department level which resulted in mobilising 1518.91 lakhs. Further Institution level grants to the tune of 8961.8 lakhs were also received. Apart from the above, the University has also mobilised funds through Consultancy, testing and training to the tune of 1568.20 lakhs. The Consortium of Industries through MoU facilitates sponsoring candidates with a Consortium fee of Rs.15 lakhs and for P.G. seat, Rs.5 lakhs.

The optimal utilisation of these funds is made possible through proper budget preparation, analysis and approvals given by budget committee of the University with the adopting the following guidelines:

1. The expenditure should have been sanctioned by a general or specific order of the competent authority.
2. Sufficient funds should have been provided for incurring the said expenditure in the budget.

The Sanctioning Officers are empowered to accord sanction for incurring expenditure on any item including purchase of equipment, provided that the item is relevant to the work assigned to the Officer concerned and that necessary budget provision and Head of Account are available on which the Officer is authorized to operate. With a view to monitor the expenditure with reference to the budgetary provisions.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

1272

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

907.09

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

Internal Audit-I, Internal Audit-II, and CoE Audit carry out Pre and Post audit of all the expenditures made by various units of the University. The Concurrent Audit and Local Fund Audit of the University conduct an audit on all accounts operated by the Finance wing of the University Office, the accounts of all the Autonomous Institutions/Centres, and all the Regional Centres and Constituent Colleges every year and issues the Audit Report and Annual Accounts in respect of the University every year. Further, the Principal Accountant General of India inspects the Audit Report and Annual Accounts regarding the University issued by the Local Fund Audit section and raises objections based on the report. The Local Fund Audit objections are to be settled by regularly conducting audit joint sitting meetings with the Local Fund Audit section. The repayment concerning the AG audit objection is obtained from the respective authorities and sent to the Principal Accountant General for settlement of audit Paras.

File Description	Documents
Upload relevant supporting document	View File

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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The Internal Quality Assurance Cell (IQAC) institutionalize the quality assurance strategies and processes among all the University stakeholders by

Internalization and Sustenance of Quality Culture

- Ensuring ICT and other modern approaches in teaching learning process.
- Provision of Credit transfer of online learning initiatives such as NPTEL.
- Ensure career and market oriented, skill-enhancing value added courses offered.
- Devise policy intends to push the evaluation notches up on the Bloom's taxonomy and examine the learner for higher order cognitive skills.
- Academic Record Maintenance System (ARMS), and Secured Examination Management Systems (SEMS) for student performance tracking.
- Ensure Transference in evaluation of answer sheets before the publication of results through "Clarification Day"
- E-governance to facilitate transparency in documentation.

Quality Assurance activities:

- Compilation and submission of the Annual Quality Assurance Report (AQAR) to NAAC
- NBA accreditation of Departments.
- Participation in National Level ranking: NIRF
- Participation in Global Level ranking: QS and THE
- Conduct of Academic & Administrative Audit

Quality initiatives:

- Expansion of IQAC Team and Office,
- Ready Reckoner and updating Websites
- Automation of Data Collection and Consolidation
- Conduct of Quality Related Training programmes for teaching and non-teaching staff
- Unit wise SWOC meetings chaired by Vice chancellor
- Creation of Benchmarks for academic, research and Administration

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The Curricula and syllabi of all the programmes offered at the Anna University Departments were revised with Choice Based Credit System (CBCS) and outcome-based innovative courses.

Student-centric learning is promoted by adapting participatory learning activities, and the Student Exchange programme for national and international students is enhanced through the Centre for International Relations.

Secured Examination Management System (SEMS) is in place to efficiently manage examination activities of the University

starting from the enrolment to the issue of Grade Sheets.

The Knowledge Data Centre provides complete online services catering to the students of the University Departments for the payment of tuition fees and a complete data storage and retrieval system for all the faculty members and students using AU-FIS and AU- ADAMS portals. The Centre for e-governance was established to strengthen the transparency in administration.

The Centre for Sponsored Research and Consultancy (CSRC) provides seed money to students and faculty to conduct innovative projects. 15 new research centres were established in 2022 to address the urgent need to build research capacity in emerging areas.

Based on IQAC initiatives taken for NBA accreditation of University Departments and 05 and 02 departments were NBA Accredited with 6 years and 3 years respectively.

File Description	Documents
Upload relevant supporting document	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The necessity for gender sensitization spans epochs and is evident across diverse human societies worldwide. It calls for educating both genders on the mutual advantages of understanding each other. Gender awareness demands intellectual comprehension and openness to challenge ingrained perspectives. It broadens life options, fostering more compassionate and capable individuals and transcending discrimination and harassment. Gender parity, a long-term aspiration, mandates continuous effort devoid of complacency.

The following programmes were held in coordination with the Prevention of Sexual Harassment Cell - PoSH Cell:

- One-day PoSH awareness programme in Meenakshi Sundarajan Engineering College Kodambakkam was held on 11.03.2023: Secretary of Meenakshi Sundararajan Engineering College,

Dr.K.S.Babai was the Chief Guest for this programme.

- PoSH awareness programme on the Internal Complaints Committee and Redressal Mechanism of PoSH was conducted on 14.03.2023 and for all male staff on 21.03.2023 at Vivekananda auditorium from 1.30 to 4.30 pm. Dr.T.V.Geetha, Dean, CEG Guindy Campus, was the Chief Guest of the programmes.
- There was a Group discussion on Case Studies by Mrs.Rama Haran and Dr.K.Premalatha, Director, PoSH Cell, and Dr.G.R.Rajarajeswari, Director i/c, Centre for Empowerment of Women. About 500 staff took part in these programmes.

Proofs:

Policies:

https://iqac.annauniv.edu/Sustainability/Policies/AU_Gender_and_Social_non_Discrimination_policy.PDF

https://iqac.annauniv.edu/Sustainability/Policies/AU_UDs_Gender%20Empowerment%20and%20Social%20Equity%20Policy.pdf

PoSH Awareness Programmes:

<https://www.annauniv.edu/POSH/program.pdf>

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	https://www.annauniv.edu/WomenEmpCentre/program.php
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	https://www.annauniv.edu/WomenEmpCentre/facilities.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/

A. Any 4 or All of the above

power-efficient equipment

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Food Waste Management:

The hostel zone generates food, vegetable, paper, and cloth wastes, whereas the academic zone generates food and paper waste. The organic wet waste from hostel kitchens, mess, and canteen is sent to the biogas plant. The gas generated is used for cooking purposes at the hostel kitchens, and the slurry generated is used as fertilizer in the organic farm at the campuses.

Liquid Waste Management

The Sewage Treatment and Recycling plant of the Main and MIT campus can treat average of 9 lakh litres of water per day. The treated wastewater irrigates lawns and gardens through Sprinkler Irrigation Systems.

Non-degradable Waste Management**Biomedical Waste Management**

The medical waste generated at the health centre is collected in different color-coded bins, red - all infectious plastics waste, white - objects such as syringes, yellow - highly infectious waste, and blue - infectious glass sharps.

E-Waste Management

E-Waste collected in the campuses is auctioned for disposal through authorized agencies by the respective departments. The Central facilities' e-waste materials are auctioned by the Estate Office/respective sections. There is also a procedure in place for condemned computers, printers, etc., to be disposed under buy-back schemes.

File Description	Documents
Upload relevant supporting document	View File
7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus 	D. Any 1 of the above

recognitions/awards	
5. Beyond the campus environmental promotional activities	
File Description	Documents
Upload relevant supporting document	View File
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
File Description	Documents
Upload relevant supporting document	View File
<p>7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)</p> <p>Anna University promotes inclusivity and cultural harmony through vibrant celebrations like Pongal, Onam, and Diwali, alongside international outreach initiatives like exchange programs and collaborations with foreign universities.</p> <p>International students</p> <p>Regional Integration: Student clubs and associations cater to regional communities, providing a home away from home and fostering a sense of belonging.</p> <p>Student club</p> <p>Anna University is committed to fostering inclusivity through various initiatives. English language support programs aid students from diverse linguistic backgrounds, while</p>	

accessibility services ensure equal opportunities for students with disabilities. A robust anti-discrimination policy promotes mutual respect, complemented by sensitization workshops challenging stereotypes. Mentorship programs offer guidance, particularly to students from diverse backgrounds, and student council representation ensures all community needs are addressed. These efforts aim to create an environment where students feel valued, respected, and empowered to excel.

Independence day

Planted plants in the Department of Electronics Engineering as part of Independence Day.

World Environment Day

A session theme, 'Only One Earth.' was conducted to create awareness about e-waste management.

Proofs:

Collaborations for Exchange Programs:

<https://annauniv.edu/cir/pdf/jlc.pdf>

https://www.cesannauniv.in/2023_5.php

<https://www.annauniv.edu/sports/NSO%20ACTIVITIES%20FOR%20WEBSITE.pdf>

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The Department of Manufacturing at Anna University integrates constitutional awareness throughout student and staff activities. Renowned legal experts conduct guest lectures, while community outreach includes voter registration drives. National days are celebrated, and a clear code of conduct promotes ethical behavior. Grievance redressal mechanisms ensure fairness, and continuous dialogue fosters responsiveness to evolving needs, cultivating an informed and engaged citizenry.

Sensitization of students and employees of the institution to constitutional obligations:

Madras Institute of Technology, Anna University, fosters civic values among students and staff. Independence Day and Republic Day are celebrated with flag hoisting, pledge-taking, and distribution of traditional sweets. Additionally, International Day of Yoga is observed, promoting unity and the health benefits of yoga among students and staff.

Cultural programs by students follow, honouring academic and co-curricular achievements. Additionally, a fellowship breakfast promotes equality among staff and students. The university's Centre for Empowerment of Women facilitates economic, social, and cultural empowerment, while courses like the Constitution of India and Personality Development instill civic values.

Proofs:

https://iqac.annauniv.edu/Sustainability/sdg16_1.html

<https://www.annauniv.edu/sports/>

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized

All of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Anna University Celebrates and organises the national and international commemorative days, events and festivals. Especially IOM EIACP (Environmental Information, Awareness,

Capacity Building and Livelihood Programme) Centre on the subject area "Coastal Zone Management (CZM) and Coastal Shelter Belt (CSB)", which is funded by the Ministry of Environment, Forest and Climate Change, Government of India, will celebrate and organises Environmental days throughout the year. Also the EIACP conducts various competitions during these environmental days to spread awareness among school students and the public to maintain a sustainable environment. Additionally, the center diligently organizes Capacity Building Programs and workshops and conducts Mission LiFE initiatives, which are meticulously documented and regularly updated on the EIACP web portal. This collaborative effort embodies a commitment to holistic environmental production and community engagement, contributing significantly to the collective understanding and sustainable management of coastal ecosystems and the surrounding environment.

- Hariyali Saptah Week on 09.07.2022
- Independence Day celebration on 13-08-2022
- World Ozone Day on 19-09-2022
- International Day for Climate Action on 28-10-2022
- World Fisheries Day on 21.11.2022
- National Pollution Prevention Day on 02-12-2022
- International Environmental Education Day on 27-01-2023
- World Wetlands Day during 02-02-2023 and 03-02-2023
- National Science Day during 28.02.2023 & 01.03.2023
- World Water Day on 22.03.2023
- World Environment Day on 05.06.2023
- World Ocean Day on 09.06.2023
- International Yoga Day on 21.06.2023

File Description	Documents
Upload relevant supporting document	View File

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Providing Autonomy to Research Centres to promote high-quality research, innovation, consultancy, and training in thrust areas.

Objectives:

- To empower small university research groups for autonomous solutions to societal challenges.
- To foster academia-industry collaboration in alignment with national initiatives, promoting PPP in research, testing, and training.

Adapt technical education to meet societal and industrial needs swiftly. Empower faculty research groups for University advancement.

Anna university Visionary Vice Chancellors established autonomous Research Centres for fostering high scientific productivity. Decentralized authority, financial autonomy, collaborative partnerships, and academic programs enhance research, patenting, and technology commercialization.

Established between 1982 and 2022, institutes like AU-FRG CAD/CAM, CASR for drone tech, CNAST for nanoscience, Crystal Growth, Energy Storage, Automotive, IoT, e-Vehicle, and Cyber Security drive research, training, and industry collaboration in India.

Anna University hosts multiple specialized centers like NHHID for healthcare innovation, AU-KBC for emerging tech, and others focusing on climate, biotech, energy, and food, fostering interdisciplinary research and development, supported by the Entrepreneurship Development & Innovation Council.

Anna University champions autonomous work and sustainability. Key focuses include Healthcare Instrumentation, Drones, Energy, Water, and Environment. Notable achievements: 32,860 publications, 4,25,284 citations, 183 h-index, 15,289 Ph.D.s, 300 patents. Recognized for SDG contributions, UGC Excellence, and substantial project funding and revenue.

Data retrieval requires a shared database and a data centre. Maintenance demands a strong Work Flow Management System (WFMS) with periodic updates. Currently, e-governance implements WFMS with Alumni support.

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

ESTABLISHMENT OF UNMANNED AERIAL VEHICLE CORPORATION

Anna University has been a pioneer in drone technology since the early 2000s, recognizing drones' potential across sectors like law enforcement, agriculture, disaster management, and more. In 2022, the Tamil Nadu Unmanned Aerial Vehicles Corporation (TNUAVC) was established through a partnership between the government and Anna University's Centre for Aerospace Research (CASR) to meet drone-related demands. Anna University was also approved by the Directorate General of Civil Aviation (DGCA) as India's first Remote Pilot Training Organization for small and medium drones.

CASR's journey began in 2001, leading various research projects funded by ISRO, DRDO, and others. Awards and recognitions followed, showcasing CASR's excellence in UAV design and deployment. Financial support from Anna University and external sources fueled CASR's growth, enabling impactful deployments in disaster relief, surveillance, and more.

The achievements of CASR and Anna University include national awards, recognition in international competitions, and collaborations with prestigious institutions. Future goals of TNUAVC include job creation, advancement in drone services, promoting drone usage, and developing UAV instructors and pilots. Additionally, the focus lies on attracting investments, policy development for disaster management, and advancing swarm drone technology.

7.3.2 - Plan of action for the next academic year

IQAC actively working on the targeted benchmarks as follows:

BENCHMARKS: ACADEMICS:

- Implementation of Choice Based Credit System (CBCS) for all the UG and PG programmes Average pass percentage of students > 90%
- Average placement of students (on-campus) > 80%
- Average drop-out percentage of students < 2%
- Declaration of results: < 15 days
- Number of books per students in the library > 80 to 100
- Faculty/Student ratio < 1:15
- Student/Computer ratio < 3:1
- Percentage of teachers with Ph.D qualification > 100%
- Percentage of teachers with post Post Doc qualifications > 0.5 to 1%
- Academic audit periodicity : every semester

BENCHMARKS: RESEARCH

- Number of on-going research projects per Department > 5 per year
- Number of on-going research projects per Professor > 1 per year or 2 per 3 Years
- Percentage of Departments with UGC-SAP/ CAS and DST-FIST > 80%
- Number of Patents per Department > 5 per year
- Number of Technology Transfers per year > 5 per year
- Average Ph.D. output per Department per year > 10 per year
- Average Quality publication per faculty per year > 2 per year
- Number of Conferences conducted per year per department > 5 per year
- Publication of Research Journal per faculty per year > 5 issues/ year