



## YEARLY STATUS REPORT - 2021-2022

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

• Phone no./Alternate phone no	04422358585				
• Mobile	9962690099				
• IQAC e-mail address	iqac@annauniv.edu				
• Alternate Email address	diriqac@annauniv.edu				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://iqac.annauniv.edu/AQAR_2020_21.pdf">http://iqac.annauniv.edu/AQAR_2020_21.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://cac.annauniv.edu/Annoucement/UD/Nov%20-%20March%202021/UD%20-%20UG%20-%20Sem%20I.pdf">https://cac.annauniv.edu/Annoucement/UD/Nov%20-%20March%202021/UD%20-%20UG%20-%20Sem%20I.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	Five Star	Nil	2002	12/02/2002	11/02/2007
Cycle 2	A	3.46	2014	24/09/2014	23/09/2019
<b>6.Date of Establishment of IQAC</b>			30/10/2012		
<b>7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.</b>					
Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount	
Details given in Metric 3.1.6	Details given in Metric 3.1.6	Details given in Metric 3.1.6	Details given in Metric 3.1.6	Details given in Metric 3.1.6	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		
<b>9.No. of IQAC meetings held during the year</b>			<b>12</b>		
• The minutes of IQAC meeting and compliance to the decisions have been			<b>Yes</b>		

uploaded on the institutional website. (Please upload, minutes of meetings and action taken report)	
<ul style="list-style-type: none"> <li>(Please upload, minutes of meetings and action taken report)</li> </ul>	<a href="#">View File</a>
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	<b>Nil</b>
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
<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: <a href="https://www.annauniv.edu/IQAC/IQAC%20Training%20Programmes%202020-21/">https://www.annauniv.edu/IQAC/IQAC%20Training%20Programmes%202020-21/</a> ) • Coordination for participation in NAAC accreditation, NIRF Rankings, THE Ranking, and QS Ranking ( Refer: <a href="https://www.annauniv.edu/IQAC/Overview/AU_AAA&amp;R_OVERVIEW.pdf">https://www.annauniv.edu/IQAC/Overview/AU_AAA&amp;R_OVERVIEW.pdf</a> ) • 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: <a href="http://iqac.annauniv.edu/NBA/DCIV%20&amp;%20DEEE%20Accreditation%20Status-Valid%20Upto%2030.06.2028.pdf">http://iqac.annauniv.edu/NBA/DCIV%20&amp;%20DEEE%20Accreditation%20Status-Valid%20Upto%2030.06.2028.pdf</a> ) • Conduct monthly internal meetings with IQAC team members and Internal Quality Assurance Council Meetings chaired by Vice-Chancellor. ( Refer: <a href="https://www.annauniv.edu/IQAC/IQAC%20Internal%20Meeting%20Minutes%20July%202020%20to%20March%202021.pdf">https://www.annauniv.edu/IQAC/IQAC%20Internal%20Meeting%20Minutes%20July%202020%20to%20March%202021.pdf</a>, <a href="https://www.annauniv.edu/IQAC/7th_IQAC_EC_Meeting_Minutes.pdf">https://www.annauniv.edu/IQAC/7th_IQAC_EC_Meeting_Minutes.pdf</a> ) • Setting /Updating the Benchmarks for the University under the various criteria of NAAC. (Reference: <a href="https://www.annauniv.edu/IQAC/7th_IQAC_EC_Meeting_Minutes.pdf#page=22">https://www.annauniv.edu/IQAC/7th_IQAC_EC_Meeting_Minutes.pdf#page=22</a> )</p>	
<b>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</b>	
Plan of Action	Achievements/Outcomes
NEED TO REFER THE 8TH EC MEETING PREPARATIONS	<a href="http://iqac.annauniv.edu/7th_IQAC_EC_Meeting_Minutes.pdf">http://iqac.annauniv.edu/7th_IQAC_EC_Meeting_Minutes.pdf</a>

<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th data-bbox="86 427 769 490">Name</th> <th data-bbox="783 427 1469 490">Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 497 769 557">Anna University Syndicate</td> <td data-bbox="783 497 1469 557">01/06/2023</td> </tr> </tbody> </table>	Name	Date of meeting(s)	Anna University Syndicate	01/06/2023	
Name	Date of meeting(s)				
Anna University Syndicate	01/06/2023				
<b>14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?</b>	<b>Yes</b>				
<b>15. Whether institutional data submitted to AISHE</b>					
<table border="1"> <thead> <tr> <th data-bbox="86 804 769 866">Year</th> <th data-bbox="783 804 1469 866">Date of Submission</th> </tr> </thead> <tbody> <tr> <td data-bbox="86 873 769 934">2022</td> <td data-bbox="783 873 1469 934">30/03/2023</td> </tr> </tbody> </table>	Year	Date of Submission	2022	30/03/2023	
Year	Date of Submission				
2022	30/03/2023				
<b>16. Multidisciplinary / interdisciplinary</b>					
<p><b>Multidisciplinary:</b></p> <p>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 &amp; Communication, Electronics &amp; Instrumentation, Computer Science &amp; Engineering, Aeronautical Engineering, Automobile Engineering, etc.) but also a range of Technology oriented programmes viz., Bachelor's degrees in Bio-Technology, 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.</p> <p><b>Interdisciplinary:</b></p> <p>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.</p>					
<b>17. Academic bank of credits (ABC):</b>					

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 semester-long 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. The 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, AU-FRG 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 end-semester 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, inter-library 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.Programme

1.1	113
-----	-----

Number of programmes offered during the year:

File Description	Documents
Data Template	<a href="#">View File</a>



1.2	35
Number of departments offering academic programmes	
<b>2.Student</b>	
2.1	11571
Number of students during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
2.2	4188
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	<a href="#">View File</a>
2.3	11539
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
2.4	0
Number of revaluation applications during the year	
<b>3.Academic</b>	
3.1	3621
Number of courses in all Programmes during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	862
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>
3.3	852
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	152417
Number of eligible applications received for admissions to all the Programmes during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
4.2	3033
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
4.3	410
Total number of classrooms and seminar halls	
4.4	4469
Total number of computers in the campus for academic purpose	
4.5	8516
Total expenditure excluding salary during the year (INR in lakhs)	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	

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, which constitutes the renowned College of Engineering Guindy, the oldest institution in the country, was established in the year 1978 and offers 31 undergraduate and 81 postgraduate programmes apart from the Doctoral programs under 8 Faculties. The University has carefully designed an innovative and state-of-the-art curriculum and implemented it successfully. Further, the implemented curriculum has been continuously reviewed and updated through a robust system.

In tune with the vision of the Tamil Nadu Government and alignment with National needs, the University has a culture of inter and multi-disciplinary programmes across various disciplines. Unique academic programmes have been conceived in disciplines like Robotics and Automation, AI and Data Science, Avionics, Mechatronics, and Bio-Medical Engineering to make students future-ready. Anna University introduced Civil and Mechanical Engineering in Tamil medium, to cater to local needs.

Anna University is one of the pioneers who brought the Choice Based Credit System (CBCS) in the Country with an enormous diversity in the curricula leading to innovation in the application of Engineering and Technology. The curricula and syllabi are revised periodically for both the Undergraduate and Postgraduate Programmes by conducting academic body meetings. The Institution has adopted Learning Outcome Framework as envisaged by the AICTE and the UGC and has carefully coined POs, PSOs, and COs for all the academic programmes offered.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

112

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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

2603

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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

1

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

112

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

## Crosscutting Courses in the Curriculum

A dedicated set of 210 courses offered under UG and PG programmes are designed to integrate crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment, and Sustainability into the Curriculum.

### Professional Ethics and Human Values

Along with quality technical education, Professional Ethics and Human Values have been an integral part of the vision and mission of the University ever since the University was born. These courses are offered under two exclusive categories: Humanities and Social Sciences, including Management Courses and Audit Courses.

### Gender

A few courses, namely Language and Communication, Gender and Water, address gender issues, including empowerment, social stratification, and health.

### Environment and Sustainability

Two exclusive PG programmes, Environmental Engineering and Environmental Management are offered under the Faculty of Civil Engineering to inculcate a deeper understanding and knowledge of the environment and sustainability concerns.

### Supporting Student Activities

#### Student Clubs and NSS/NCC/NSO/YRC

In the curriculum, participation of students in personality and character development programmes is mandatory. In National Service Scheme, students undergo training for about 80 hours. National Cadet Corps has about 20 parades. National Sports Organization has sports, games, drills, and physical exercises. Youth Red Cross organizes many blood donation camps, health camps, and social services in and around institutions.

In addition, dedicated student clubs contribute in a great way to environmental and societal concerns. For instance, the Green Brigade club promotes eco-friendliness and preserves the fraternity with Mother Earth.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

32

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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

2315

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

3059

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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	<a href="#">View File</a>

#### 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	<a href="#">View File</a>

### 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

4395

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

##### 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

2296

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 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

##### Assessment of Learning Levels



The institution offers a choice-based credit system that allows students to progress at an accelerated pace for advanced learners and stress-free Learning for slow learners. A two-week mandatory induction programme is conducted for the first years wherein the students connect to their peers and faculty advisors. Learning levels of students are assessed through written tests, assignments, case studies, quizzes, group discussions, mini-projects, internships, projects, and other experiential learning methods. In addition, faculty Advisors provide personalized guidance to students (FSR: 14:1). Multiple Course Committees and Overall Monitoring Committees monitor the student progress.

#### Opportunities provided for Advanced learners:

- Advanced learners can add 2 courses and earn 8 credits from the third semester onwards.
- Avail facility of semester-long project/internship in the industry.
- Enroll SWAYAM/NPTEL/Value Added/ Certificate Courses beyond the curriculum.
- UG students can undergo 6 extra courses and secure B.E. Honors/Minors Award.

#### Opportunities provided for Slow learners:

- Bridge & Remedial Classes for students with poor academic performance.
- Slow learners can drop a maximum of 2 courses (8 credits) in a semester.
- If students fail to pass any course after 2nd attempt, the end-semester examination marks will only be considered a pass criterion.
- If students fail in the 8th semester, they can appear for a one-time supplementary examination within 30 days of the results declaration date.
- 30/60 days are given to resubmit Phase-I/Phase-II projects for UG/PG Programme.
- The maximum period for programme completion is 07 (04) years for UG (PG) as a cushion period.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link For Additional Information	Nil

**2.2.2 - Student - Full time teacher ratio during the year**

Number of Students	Number of Teachers
11571	870

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**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** includes courses like project work, internship, seminars, professional practices, case studies, and industrial/practical training.
- Anna University has launched the project-based learning program "Naalaiya Thiran" under "Professional Readiness for Innovation, Employability and Entrepreneurship" category with sponsorship from TNSDC, ICT Academy of Tamil Nadu, NASSCOM & IBM to empower the students with enhanced professional and technical skills.
- **Internship:** The students can undertake a semester-long internship during the VII and VIII semesters. The programmes not having internships can undergo optionally for 2/4/6 weeks (1/2/3 credits). Possibility of dropping a professional elective if a student experiences a 6-week internship
- **Socially relevant Project:** An unique course in the choice-based credit system where the students find solutions to problems of social relevance.
- To enhance their knowledge, students can undergo additional online, self-study, and value-added courses beyond the curriculum.
- **Industrial Visit:** The curriculum includes a year-wise mandatory industrial visit from 2nd year of the UG/PG programme.
- **Industrial/Practical Training:** Students are encouraged to undergo industrial/practical training in reputed academic institutions/industries.
- **Project work:** The VII/VIII semester Project Work kindles the

research aptitude of the students and enhances their problem-solving ability.

- **Visual/Simulation Labs:** Students experienced virtual/simulation labs during the pandemic, which helped improve their problem-solving ability.

- RUSA innovative curriculum adopted in 2018 for BE(CSE) has hardcore and softcore courses, grouped as mathematics-based soft and professional softcore courses, and 80% of the courses are theory-integrated with practical/ practical integrated with theory.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Anna University retained a decade of growth in ICT-based education.

**MOOCS:** Our faculty members majorly contribute to ICT-based initiatives through Educational Multimedia Research Centre (EMMRC), operating since 1985, accesses teaching resources through satellite/TV, e-content, video lectures etc., under NME-ICT of UGC CEC. EMMRC made significant contribution to Prime Minister's Digital India Scheme in Applied Sciences in Swayam for Direct-To-Home and e-PG Pathshala

**Microsoft Teams:** Microsoft Academic software, including Microsoft Teams, worth Rs. 9,85,300/-procured in February 2022. Our faculty members have effectively utilized Microsoft Teams for the best TLP management.

**MOODLE:** Moodle-based LMS has been developed in-house, and a few departments have adopted it, facilitating teachers and students with the best TLP management.

**SMART Classrooms:** More than 80% of the classrooms, conference and seminar halls are equipped with ICT-enabled tools and infrastructure for conducting regular classes, meetings, special lectures, online meetings, workshops, conferences, symposiums etc.

**Virtual/Simulation Labs:** UG & PG Laboratory sessions were conducted

using Virtual/Simulation Labs during the pandemic to provide students with a real-lab experience and help improve their problem-solving ability.

**Digital Knowledge Centre:** A full-fledged Digital Knowledge Centre comprises 2500 e-Books and 30000 e-Journals/databases with ICT special facilities and services, particularly IEL online, kiosks for self-book lending and Online Public Access Catalogue (OPAC).

**Ramanujan Computing Centre (RCC),** provides

- 24/7 Computing Infrastructure & Technology with Student - Computer ratio of 4:1.
- Fibre-based high-speed (2 Gbps) network with high-end servers.

E-mail and web services with 900 indoor and 200 outdoor Wi-Fi access points and 23 Wi-Fi trees.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

651

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

870

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 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**

671

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

10495

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

35

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

11.07

**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**

11.07

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

0

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Several measures have been taken for IT integration of all the activities related to continuous assessment and examination management in terms of transparency and quick communication with all stakeholders.

#### IT Integration in Examination Procedure

##### In-house Technology for Assessment and Examination System

The secured Examination Management System (SEMS) is an in-house examination management platform developed by faculty members & staff of Anna University. It deals with timely and transparent result publication and dissemination of academic performance records, such as mark sheets, grade sheets, provisional certificates, degree certificates, etc.

#### SEMS Services

##### Student-Centric:

- Course Registration
- Flexible CBCS (students can choose their faculty).
- Students can view their timetable, attendance, hall ticket, marks, and grades in their login
- Open /Clarification Day schedule to verify their answer books

##### Faculty-Centric:

- Flexibility to fix the weightage
- Provision for custom, automatic and relative grading using mean, standard deviation & normal distribution
- Generation of timetable slots and prevention list
- Operating multiple roles and responsibilities for faculty members

#### Administrative-Centric (HoD/ACoE)

- Tracking the entry of attendance and assessment particulars by the faculty
- Monitoring the performance of student learning levels
- Enabling quick dissemination of information to all stakeholders with role-based security

#### Reforms in Examination Procedure

- Implementation of Bloom's Taxonomy:
  - Internal assessments and end-semester examinations covering all levels in Bloom's Taxonomy
  - Revised question paper pattern mandates Part C with a higher order question (compulsory) on application/design/analysis/evaluation/creativity/case study in the subject domain

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 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	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 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



## Integration of learning outcome in the Assessment

Outcome-based Education has been intertwined into the Teaching-Learning, assessment, and evaluation processes through dedicated templates for internal and end-semester examination question papers exclusively designed logbook/attendance register. An Attendance and Assessment record is provided to the Course Instructor. The attendance record is designed to include aspects such as Cos - POs mapping, course coverage, mode of lecture delivery and assessment, field visits, group discussions, etc.

The question paper pattern includes every question's CO and Bloom's Taxonomy (BL) levels.

## Publicizing the Learning Outcomes

OBE stringently followed in all teaching, learning, and evaluation aspects. The globally recognized graduate attributes recommended by the Washington Accord are taken as Programme Outcomes (POs) for all the UG programmes with additional Programme Specific Outcomes (PSOs) to ensure quality education. Every course is structured with specific Course Outcomes (COs) at various levels under Bloom's Taxonomy. Based on the desired course outcomes, the syllabus is prepared. Further, the COs are mapped with POs and PSOs as a course articulation matrix.

Course Articulation Matrix fulfills the requirement of graduate attributes that access the student's cognitive, affective, and psychomotor learning. The Program Education Objectives (PEOs) describe the expected achievements of graduates within the first few years of their entry into the programme. The PEO, PO, PSO, and CO- PO Mapping is approved by the Syllabus Sub-Committee, Board of Studies, and Academic Council of Anna University.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Curricula and Syllabi are developed under OBE framework along with Program Outcomes (POs), Program Specific Outcomes (PSOs), Course Outcomes (COs), Course and Program Articulation Matrix to assess individual student's performance and reviewing attainment level.

## Attainment of CO

The CO attainment levels obtained from Continuous Internal Assessments (CIA) and End Semester Examinations (ESE) together for the overall attainment of the course. The gaps in attainment are taken up for further analysis, contributing factors are addressed through action-taken reports, and further suggestions for continuous improvement are provided.

## Attainment of PO and PSO

Each course COs are multiplied by the course articulation matrix to get the individual course contribution towards direct attainment of POs and PSOs. The POs and PSOs for all courses are computed & averaged, and a minimum 80% weightage is given under direct attainment, 20% weightage under indirect attainment from exit survey and alumni feedback. 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 programme. The obtained PO/CO attainment gap is used to enhance the TLP of each programme/course.

All stakeholders' feedback is obtained through different modes and analyzed for improvement.

Multiple course and monitoring committees are constituted at different stages to monitor progress and improvement. In addition, the "IQAC1" regularly monitors OBE activities and provides valuable suggestions for improvement. Finally, student course feedback is obtained and shared with the concerned course instructors at the end of every semester for improvement.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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

4010

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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)**

<http://igac.annauniv.edu/feedbackcurriculumExit.html>

## 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,

- Providing seed money to fresh recruits to establish their laboratories and kick-start their research.
- Providing international travel grants to faculty and students to enable them to participate and present papers in International Conferences.
- Providing funding for start-ups to faculty and students.
- Providing travel support for R & D Project presentations.
- Providing Awards and Recognition for Research Excellence periodically.

The Universities research facilities are frequently updated and available to carry out extensive research:

Research facilities to carry out extensive research at the National level across specialized domains:

- National Hub for Healthcare Instrumentation and Development (NHHID)
- National Centre for Sustainable Coastal Management (NCSCM).
- Crystal Growth Centre (CGC)

Centre for Research (CFR)

The Centre for Research (CFR) functions wholly through e-governance, right from the admission process to the submission of the thesis with the following scope:

- Admission into Ph. D and M.S. (By Research) research programmes conducted twice a year as per UGC norms.
- Various Research Fellowships (JRF, SRF, PDF & Faculty Fellowships) funded by different funding agencies like UGC, SERB, CSIR, ICMR, ICSSR & AICTE are operated.
- Activities, such as Supervisor recognition, Research Centre recognition, and admission of research scholars carried out by the centre.
- Induction program for fresh research scholars and experts to help choose research topics.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

187.55

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

27

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

69

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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	<a href="#">View File</a>

**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**

**13**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## **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)**

**401.98**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

**2863.16**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

38

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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:

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

92

#### 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

92

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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**

66

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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	<a href="#">View File</a>

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

**A. All of the above**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>



**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**

110

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

322

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

1827

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

565

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

<b>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>	<b>A. Any 5 or all of the above</b>
<b>File Description</b>	<b>Documents</b>
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed</b>	
Scopus	Web of Science
<b>6.16</b>	<b>7.18</b>
<b>File Description</b>	<b>Documents</b>
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>
<b>3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University</b>	
Scopus	Web of Science
<b>43</b>	<b>38</b>
<b>File Description</b>	<b>Documents</b>
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>3.5 - Consultancy</b>	
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	
<b>The Centre for Technology Development and Transfer(CTDT), renamed as Centre for Sponsored Research and Consultancy (CSRC) at Anna University, is responsible for interacting with internal and</b>	

external stakeholders. The CSRC formulates guidelines, including revenue sharing between the institution and the individuals and encourages the faculty to undertake consultancy.

#### Retainer Consultancy

The expertise of the faculty, without the use of any University facility, is provided either at the University or on the premises of the client; such consultancy shall be taken up on a Retainer basis, with prior approval of the CSRC.

#### MOU/Agreements/Contracts

All MoUs related to Projects, Consultancy, Testing, and Training are processed by the CSRC Director and placed in the Syndicate for approval.

Website Link of the policy document:

<http://ctdt.annauniv.edu/downloadspdf/guidelines2021.pdf>

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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)

2159.82

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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 National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC), and Centre for University-Industry Collaboration (CUIC) to sensitize the

students toward community needs.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**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**

18

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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)**

35

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

8273

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

17

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**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**

37

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## **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. 370 classrooms (with 83% ICT enabled), 28 drawing halls, 560 laboratories, 4469 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. Central Computing Facilities 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 4469 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 theUniversity 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	<a href="#">View File</a>

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 Air-Conditioned, green room, and projection facilities)
- Tag Auditorium (300 capacity - with centralized Air-Conditioned, 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	<a href="#">View File</a>

**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 370 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	<a href="#">View File</a>

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

4427

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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 2,71,809 books, 220 current periodicals, 44918 journal back volumes, 2500 e-books, 30000 e-journals/databases, and 18005 books in the SC/ST book bank. 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	<a href="#">View File</a>

**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	<a href="#">View File</a>

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

**398.42**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

9227

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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

339

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

**Response:** 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 (2017-2022) 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	<a href="#">View File</a>

#### 4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
11571	4469

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

- ?1 GBPS

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 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	<a href="#">View File</a>
Upload the data template	<a href="#">View File</a>

#### 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

4089

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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.

- Procedure for maintaining Computer support facilities.
- Procedure for maintaining Academic support facilities.
- Procedure for 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	<a href="#">View File</a>

<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>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)</b>	
6797	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year</b>	
5860	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>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</b>	<b>• All of the above</b>

**online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 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**

**241**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

**2677**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

**366**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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

42

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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 7th Meeting of IQAC held on 18.11.2021. Mr. K Rakesh President Student Quality Council Ms. Shruthi and Ms.K. Diviya Seshani were included as Student forum representatives.

#### MIT Student Council Activities for the academic year 2021-22

Student council members are elected as office bearers of Athenaeum with the position as a Chairman, Programme Secretary, General secretary, Treasurer, Lady representative, PG representative. The elections were conducted Online for the year 2021-22. The council members responsibilities are to maintain the unity among students in campus and to develop the good environment and discipline inside the campus.

MITAFEST is the annual intercollege cultural festival of MIT organized by the student council functioning at MIT Campus. It is claimed to be one of the oldest college cultural festivals in Chennai. MITAFEST attracts over 10,000 students from all around the state. It is characterized by activities and competitions like quizzes, Tamil Mandram, Variety, Dance and Musical competitions.

College allocate significant funds for the smooth conduct of all the major activities. Students are involved in making a detailed budget and market their various activities and mobilize funds.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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



53

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 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

Activities done by AACEG for the year 2021-22 Around 382 members have been added as alumni in the association Student Mentoring on Soft Skills by COSS:- No.of sessions - 22 (21- Online) Important Soft skills like Communication Skills, Presentation skills, Team Work, leadership skills, Time Management, Stress Management were conducted by Mentors from the COSS Society to 2nd & 3rd year students of various branches. 450 students were benefitted by these sessions.

Career Guidance programmes: Placement assistance Workshop- 1 for Final year students. -Efforts required for placements beyond campus recruitment - Mech, Material science, Manufacturing -Mock Interviews for students of all branches

Endowment Memorial Lectures: - During the year the association has received Rs 9 Lakhs towards Prof. CTS Endowment Lecture Fund- Rs 9 Lakhs . No.of endowment memorial Lectures conducted : 8. (3 are conducted Online) Scholarship Fund: Endowment Scholarship fund:- During the year the following Endowment Scholarship were created. -Bro.C Selvam Endowment Scholarship- Rs 3 Lakhs. -Mrs X. Espirith Selvam Endowment scholarship- Rs 3 lakhs. -Giruba Beulah Se Endowment scholarship- Rs 2 Lakhs. -COSS (1971-76 ) Endowment scholarship- Rs 10.5 Lakhs. - Mrs Rajyalakshmi Mani Endowment scholarship - Rs 10 lakhs During the Year, AACEG disbursed scholarship to 39 Students amounting to Rs 5,70,500/- under Endowment scholarship scheme. Needy Student Scholarship: During the year AACEG disbursed Rs 3,65,000/- to 33 students under this scheme Student connect: In order to encourage and motivate the Students in extracurricular activities, various Student Clubs events were sponsored by AACEG. - Kurukshetra

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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

Vision & Mission statements are available in the attachment.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

The decentralized system of governance is advocated and practiced at Anna University to ensure that the leadership moves closer to the key stakeholders and facilitates a better chance of them taking part in the governance.

#### Apex body and Other governing bodies

The decision-making is done transparently for the effective functioning of the University. The Vice-Chancellor is supported by the Registrar, Additional Registrar, Deans of Campuses, Chairmen of Faculties, Heads of Departments, Directors of Autonomous Centres, Controller of Examinations, and Finance Officer in this process.

#### Decentralization of Academic and Research activities

The student support and academic activities are decentralized by dividing the University into 35 departments distributed on 4 campuses managed by the respective Deans and the Heads of Departments. There are 60 Centres with financial and functional

autonomy, of which 33 are research centres focusing on advanced research in emerging technology areas.

#### Decentralized Governance Model

Each department with functional autonomy, decides and implement student-centric activities. The Departmental Consultative Committee, meets periodically for administration purposes. The Multiple Courses Committee is constituted every semester to address their academic needs of students. The HoDs conduct faculty meetings regularly to discuss department-level matters.

#### Involving the Students and Alumni

The Student Representatives of the Multiple Courses Committee highlight the academic and other issues related to their class. The students and alumni representatives of the syllabus sub-committees give feedback on the existing syllabus based on their requirements for higher studies in foreign universities, requirements from the industries, etc.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic plan is effectively deployed

The Strategic Goals of Anna University include the following:

- To be among the top five Universities by focusing on learners and providing them with an exceptional and congenial learning experience.
- To facilitate quality technical education through collaborative partnerships.
- To recruit and retain a high-quality workforce.
- To expand, sustain and excel in research (Research Excellence).
- National and Global Collaborations (To expand our national and global influence through appropriate interactions).
- Industry and Community Interactions (To improve and increase the scope of interaction with Industry and Community).
- Focus on Startup & Innovations
- State-of-the-art infrastructure to improve the academic, research, administrative, residential infrastructure, and co-

curricular facilities.

The effective implementation of the strategic plan is evident from the explicit policy and strategy for attracting international students in line with the strategic vision of the University to develop partnerships globally and to engage students and faculty members with international academic and research experiences.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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.

### Organizational Bodies

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 areas 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.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

<p><b>6.2.3.1 - e-governance is implemented covering following areas of operation</b></p> <ol style="list-style-type: none"> <li><b>1. Administration</b></li> <li><b>2. Finance and Accounts</b></li> <li><b>3. Student Admission and Support</b></li> <li><b>4. Examination</b></li> </ol>	<p><b>A. All of the above</b></p>
--	-----------------------------------

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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

diagram

#### Performance appraisal and Promotional avenue

Performance and Potential Assessments in the prescribed format are mandatory every half year (30th June and 31st December) for the declaration of probation of teachers. The Unit Officer concerned provides the details of the Confidential Report at the time of declaration of probation and at the time of promotion of the non-teaching staff members.

Promotional avenues, as per the norms of the Regulatory authorities and the State Government, are available to the Teaching and Non-Teaching staff. The recruitment cell ensures the timely conduct of Career Advancement Schemes (CAS) to promote faculty.

#### Welfare Measures

Anna University provides several Welfare measures for teaching and non-teaching staff, as summarized below:

- Staff Quarters
- Health Center
- Group Health Insurance Scheme
- Loans.
- Recreation Facilities
- Faculty Alumni Club

- Awards
- Paid Vacation
- Centre for Empowerment of Women
- Prevention of Sexual Harassment (POSH)
- Day Care Centre
- Anna Gem Science Park School

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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

220

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

68

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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)

175

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

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

The following are the various sources through which the funds are mobilized for the effective functioning of the University:

## Optimal Utilization of funds

These funds are utilized to expand and enhance campus facilities and buildings, pay employee salary/welfare measures, and improve the research infrastructure. The burden of financing the University activities is ever-rising due to Pay Revisions for employees, the rising cost of campus maintenance, and facility augmentation. Optimum utilization of funds ensures a thorough review of utilization of funds in budget committee meetings.

File Description	Documents
Upload relevant supporting document	No File Uploaded

## 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)

3158.98

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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)

745.5

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 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	No File Uploaded

## 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) of Anna University scrupulously practices the following to institutionalize the quality assurance strategies and processes among all the University stakeholders:

### Practice 1: Evaluation Reforms

The examination and evaluation reforms include revising the question paper pattern with three parts, including Part C with application-oriented higher-order questions, and mapping COs and learning levels against each question to facilitate attainment calculations. Bar Coding of answer books, Intranet-based online Academic Record Maintenance System (ARMS), and Secured Examination Management Systems (SEMS) are used to update students' attendance and marks and track their performance. "Clarification Day" is a unique practice of bringing transparency in evaluation, where the students get the opportunity to review the evaluation before the publication of results.

### Practice 2: Internalization and Sustenance of Quality Culture

- Quality Assurance activities



- Participation in National Level ranking: NIRF
- Participation in Global Level ranking: QS and THE
- Quality Enhancement Activities
  - Coordination for participation in Rankings
  - Coordination for the successful submission of the IoE proposal
  - Facilitation for NBA accreditation
  - Coordinator Academic & Admin Audit (AAA)
- Quality Sustenance Activities
  - Monthly Internal Meetings by Director-IQAC
  - Internal Quality Assurance Council Meeting chaired by the Vice-Chancellor
  - Compilation and submission of the Annual Quality Assurance Report (AQAR) to NAAC
  - Conduct of Quality related Training programmes for teaching and non-teaching staff
- Quality initiatives
  - Expansion of IQAC Team and Office, Ready Reckoner, and Website for IQAC
  - Automation of Data Collection and Consolidation
  - Creation of Benchmarks

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**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	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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 National Hub for Healthcare Instrumentation Development (NHIID) was established to promote the development of indigenous products for development in healthcare. 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.

MHRD recommended Anna University for Institution of Eminence status.

The University was placed 2nd in the country for publications. The Anna University Library has been ranked 7th in e-resources usage in India and 1st in Tamil Nadu. Anna University was ranked high in NIRF and included in the QS and THE Global Rankings.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## **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

Anna University practices an inclusive approach in all activities and has zero tolerance for discrimination against women. The

University has 49% women faculty members and 42% girl students. The University takes several initiatives for the empowerment of women. In the last 5 years, 27 programmes, to name a few, Work-Life Balance, Women in Academics and Research - Dual Role, Gender Sensitization, have been conducted, and 6605 women benefited.

#### Centre for Empowerment of Women

An exclusive Centre for Empowerment of Women (CEW) was established in the year 2002 to improve the quality of life of women socially, culturally, and professionally to ensure gender equity. Accordingly, the CEW facilitates the following activities,

- Conducting Seminars/Workshops related to women's empowerment
- Counseling the women faculty and students for,
  - Academic Excellence
  - Getting along with Peers
  - Working with Teachers & Parents
  - Maintaining work-life balance

#### Prevention of Sexual Harassment

To uphold the constitutional mandate Anna University has proactively established a Prevention of Sexual Harassment (POSH) cell with an Internal Complaints Committee to address the grievances. The role of the POSH cell includes preventing discrimination, sexual harassment, and gender violence and taking proactive measures for gender sensitization. It also recommends punitive action against the guilty.

#### Safety & Security

The campus provides a safe and secure environment with 148 CCTV cameras, automatic number-plate recognition, fire extinguishers, fire alarms, and first aid boxes. The campuses are well-lit with powerful lights to avoid any untoward incident. Security personnel guards the campus entrance gates. The hostel environment is safe and well-protected, with all the required amenities.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Annual gender sensitization action plan(s)	<a href="https://www.annauniv.edu/WomenEmpCentre/program.php">https://www.annauniv.edu/WomenEmpCentre/program.php</a>
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	<a href="https://www.annauniv.edu/WomenEmpCentre/facilities.php">https://www.annauniv.edu/WomenEmpCentre/facilities.php</a>

**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	<a href="#">View File</a>

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

#### **Degradable Waste Management**

Food Waste Management in the campus is carried out by dividing the campus into academic and hostel zones. 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.

Various waste collection bins (with source segregation facility) are kept inside every classroom, lawn and pathway, and cafeteria. The dry wastes collected in these bins are transferred to trolley-type bins and disposed of through an agency approved by the Corporation of Chennai. Plastic usage has been banned in campus, to reduce the generation of plastic waste.

An average of 9 lakh litres/day and 4 lakh litres/day of wastewater is generated from various parts of the Main and MIT campus to the Sewage Treatment and Recycling plant, which can treat 9 lakh litres of water per day.

#### Non-degradable 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 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.

Hazardous chemicals used in Chemical Analysis Laboratories are neutralized and disposed of through the Sewerage system, which gets diluted and treated in the Sewage Treatment Plant.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**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	<a href="#">View File</a>

#### 7.1.5 - Green campus initiatives include

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

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

A. Any 4 or All of the above

**5. Landscaping**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
--	--

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

<p><b>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.</b></p>	<p><b>A. Any 4 or all of the above</b></p>
--	--

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**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)**

### Provision of an Inclusive Environment

Anna University is committed to provide extensive opportunities in education, research, and innovation for applicants from the disadvantaged and/or currently under-represented groups to improve their quality of life. National and State Government Policies for inclusivity are strictly adhered in Anna University concerning student admission and faculty/staff Selection. The University does not tolerate discrimination based on religion, caste, color, or language. Adequate avenues are made available to students of all sections of society in various activities of the University.

### Promoting Harmony and Tolerance

To foster unity in diversity, various initiatives in the form of celebrating the days of Eminent Personalities, National Festivals, Social Awareness Days, World Environment Day, National Science Day, Yoga Day, and White Cane Day are observed each year with enthusiastic participation of the students and staff in creating an inclusive environment. The subject "Constitution of India and professional ethics" is made mandatory for all students across all disciplines. 40% of the NSS and YRC students actively organize eye screening camps, blood donation camps, helping children in orphanages, adopting villages, and similar activities.

### Cultural Harmony

Anna University believes in the equality of all cultures and traditions, as is evident from the fact that students from different castes, religions, and regions study without discrimination. Tolerance and harmony towards cultural, regional, linguistic, communal socio-economic, and other diversities exist. National festivals and birth and death anniversaries of Indian leaders are celebrated with great enthusiasm. Various student clubs promote co-curricular and extracurricular activities.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

#### Sensitization to Constitutional Obligations:

As per the AICTE guidelines, the Student Induction Programme is



conducted for first-year UG students. 50% of this 2-week programme consists of lectures, videos, and practical sessions on "Universal Human Values". Approximately 70% of the faculty have been trained in UHV through a Faculty Development Programme (FDP) designed and sponsored by the AICTE.

#### Constitutional Obligations in Curriculum:

Anna University has sensitized its students on their constitutional obligations with courses like Constitution of India (1643 students), Value Education (2029 students), Pedagogy Studies (617 students), Stress management by Yoga (390 students), and Personality Development through life enlightenment skills (272 students). In addition, 3822 students have benefited from courses such as Professional Ethics and Human Values, Values and Ethics, Ethics and Holistic Life.

#### Constitutional Obligations in Public Service:

In addition, as a part of the curriculum, the students must enroll in any personality and character development programmes, such as the NCC, NSS, YRC, and NSO, undergo training for about 80 hours and attend a seven-day summer camp. Anna University celebrates Constitutional Day on 26th November. It takes Pledge against Untouchability on 30th January.

#### Social Responsibility of Citizens:

Student volunteers create awareness about a clean environment through rallies with placards on the need for a clean environment, avoiding plastic, and planting more trees. The students also take up lake cleaning at nearby localities. As part of the Geneva Convention Day celebration, students won awards in the essay writing competition. The University organizes blood donation camps yearly to create awareness among students and staff on the importance of donating blood.

**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**

All of the above



## awareness programmes on Code of Conduct are organized

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Anna University organizes national festivals and birth/death anniversaries of great Indian personalities every year with enthusiasm. Thoughts of the Indian leaders are sowed into the young minds of our students through different types of programmes.

### National Festivals/Commemorative Days

- Independence Day:
- Republic Day:
- Teacher's Day:
- National Safety Day:
- National Voters Day:

### International Festivals/Commemorative Days

- International Yoga Day:
- International Women's Day:

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 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 to provide a platform for the academia to collaborate with the industry, R&D organizations, and public sectors, the State and Central Government initiatives like Aatmanirbhar Bharat Abhiyaan, Start-up India, Digital India, Make in India, Naam Mudhalvan and Nalaya Thiran.

Centre for Energy Storage Technologies, established in 2022, aims to

bring together campus-wide expertise in energy storage, foster collaboration, and be a focal point for research bridging the existing gap among the research fraternity. This centre was established based on National Energy Storage Mission and National Green Hydrogen Mission.

Centre for Excellence in Automotive Technology, established in 2022, has embarked on establishing a world-class research and development facility to promote research in automotive areas.

Centre for Internet of Things, established in 2022, focuses on research and development activities and training students for the industry, providing IoT solutions for real-time problems.

Centre for e-Vehicle Technologies, established in 2022, focuses on the design and development of products, provides viable solutions in the Electric Vehicle technology domain, and establishes a state-of-the-art lab facility for testing and certification for e-vehicle products as per standards.

Centre for Cyber Security, established in 2022, is an initiative to promote cyber security knowledge and awareness among stakeholders .

The newly formed Entrepreneurship Development & Innovation Council (EDIC) coordinated with various centres for research and development. Thus, this best practice has been successful in the present-day context with sufficient autonomy and checks and balances.

### **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)

- Anna University has been doing pioneering work in the domain of Drones/Unmanned Aerial Vehicles (UAVs) since the early 2000s.

Being cognizant of Anna University's prominent leadership in this field, the Government of Tamil Nadu entered into a technical partnership with the Centre for Aerospace Research (CASR), MIT Campus, Anna University to establish the Tamil Nadu Unmanned Aerial Vehicles Corporation (TNUAVC) in the year 2022, to cater to the drone-related demand in various sectors. The establishment of a corporation by the government based on the pioneering work of a

university is a first of its kind in India. Further, the Directorate General of Civil Aviation (DGCA), Government of India, approved Anna University as India's first Remote Pilot Training Organization (RPTO) in the small and medium category drones under UAS Rules 2021.

In 2001 Anna University established the "Centre for Aerospace Research (CASR)" at the MIT Campus for executing research projects. The Centre handled three major projects from its inception, namely Micro Satellite Design & Development (Rs. 5 crores), sponsored by ISRO (2001-2009) and High-Temperature Material Characterization (2013) (Rs. 5 crores) sponsored by DRDO, Design and Development of Unmanned Aerial Vehicles for societal applications (Rs. 20 crores) sanctioned under the Tamil Nadu Innovation Initiative (TANII) (2016) scheme. In 2008 & 2009, CASR received an award from DRDO for the best UAV design.

### 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

**BENCHMARKS: RECOGNITION :**

**Accreditations:**

- By 2023, NAAC 3rd cycle - A++ Grade
- By 2025, NBA - 100% UG programmes - 6 years accreditation

**National Rankings:**

- By 2025, Within Top 10 in Over-All, University, Research and Engg.
- By 2025, Within Top 20 in Management and Architecture & Planning

**Global rankings:**

- By 2028, Within 200 Ranks in QS WUR
- By 2028, Within 300 Ranks in THE WUR

**IoE Status:**

- By 2024, receive IoE Status