SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

ANNAMALAI UNIVERSITY

ANNAMALAI UNIVERSITY ANNAMALAINAGAR
608002
www.annamalaiuniversity.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Twelfth October 1928, Friday, dawned as any day for the people of Chidambaram, the "Akash-shetra" temple town, situated on the eastern shores of the then Madras Province, about 200 kms south of Madras. It was a historic day giving birth to an epoch-making institution which has effected a positive change on the lives of the people of South India in general and present Tamil Nadu in particular. It was on that day the Statutory Bill for the establishment of Annamalai University, a long-cherished dream of the noble-hearted, farsighted philanthropist Raja Sir Annamalai Chettiar, whose name the University proudly bears, got the assent of the Madras Legislative Council.

It was a choice by chance as well as a chance by choice that the founder happened to choose Chidambaram for founding an institution for higher education**.** Of the five Hindu temples for the elements, the temple of Nataraja in Chidambaram is the most prominent one embodying "space." Chidambaram**,** believed to be the geomagnetic centre of the planet earth which the Cosmic Dancer Lord Nataraja has chosen as His abode, was a pilgrim center from time immemorial attracting pilgrims who wanted to transform their lives with the divine intervention. It was also a divine Act of Annamalai, one of the many names by which Lord Shiva is hailed by the devotees, that the Act of Annamalai University got passed in the Legislative Council. Ever since, the "universal centre" has also become a "university centre" attracting the devotees of education from across the globe with its magnetic mantra "With Courage and Faith."

The then composite South Arcot District was backward, and illiteracy was impeding progression of the populace and the then British Indian Government took no notice of the sordid state. It was this which motivated the founder of the institution to choose Chidambaram as the seat of his dream temple of wisdom . Thus, what bloomed as the Minakshi College in 1921 blossomed into Annamalai University in 1929, and the rest is history. Ever since its establishment, Annamalai University has played an incredible role in the lives of the people near and far.

Vision

Annamalai University located in one of the marginal districts of Tamil Nadu with certainty of frequent natural uncertainties, privilege of economic under-privileges and vested by divested sections of the society, is a celestial gift to deal with all these ills in one stroke providing people with world-class education in Liberal Arts, Fine Arts, Language & Linguistics, Humanities, Agriculture, Business & Commerce, Social Sciences, Physical, Chemical & Biosciences, Engineering, IT & Nano Technologies, Education, Physical & Yoga, Medical, Dentistry & Nursing, all with admirable quality at affordable costs having employment prospects and opportunities for entrepreneurial pursuits.

Being a unitary, multi-faculty university on a sprawling campus of nearly 1000 acres, Annamalai University has evolved a time-tested system of administration to ensure the ceaseless transaction of teaching-learning, boundless expansion of research and innovation, and selfless extension of service to the society. Sufficient care is also taken to maintain and augment the infrastructure so as to keep pace with the changes and challenges. A galaxy of groomed and qualified academicians, a team of dedicated administrative staff, adequate annual allocation for augmenting library and other learning resources, and designated departments/divisions with

dedicated and experienced crew trained in infrastructure upkeep and maintenance help the university march forward on the highway of education.

The university is not simply proud of its past achievements. In order to guide itself, the University has set its vision which is explicated in its vision and mission statements: The vivacious Vision statement of the University is:

"Providing educational opportunities to aspiring students to imbibe the essential concepts along with emergent developments in the chosen fields of study, instilling the mindset and motivation for cultural and social uplift, and contributing to the national paradigm of collective responsibility in the path towards growth and prosperity"

In addition to this, a strategic and long term visionary document, **Vision 2030**, with mid-term goals embedded in them, has been drafted with 57 focused Key Drivers and well-defined Key Performance Indicators (KPIs) for each as a reference guide and road map for its stakeholders to self-assess/assess the developments and ensure the progress of the university in right direction.

Mission

It is a known fact that Annamalai University is located in one of the marginal districts of Tamil Nadu where people live amidst uncertain circumstances and where most of the population belongs to the underprivileged sections of the society. The very purpose of founding the University in this locality was to improve the lives of the people by offering the world-class education at an affordable cost, without any profit motive. Even as the University is continuously spread its "branches" far and wide, it has made its "roots" strong. While the University strives to keep pace with the international developments in education, the pressure of global trends towards commercialization does not blind the University to overlook the ground reality prevailing in the region. Over the years it has transformed the lives of hundreds of thousands of rural youth and, thus, has contributed to social justice. But for Annamalai University, the oasis of higher education would have remained a mirage in the lives of many. Still, the University continues to draw a considerable size of its student population from the rural India, especially from the disadvantaged sections of the society.

The vivacious of the Vision has been translated into missions and they are:

1. To reach the unreached learners with high-quality mentoring and affordable higher education so as to transform them into successful professionals
2. To mould the thought-pattern and effect multi-skilling of the learners in tune with the contemporary developments
3. To stick to the governance culture such that the leadership and stakeholders of the institution accelerate performance and espouse to probity

The University is not simply contented with educational services offered within the four walls of class room and laboratory. The University, as a mission, serves the society directly and willingly participates in extension and outreach activities Faculties of Medicine and Dentistry regularly conduct medical and dental camps in the villages; The CAS of Marine Studies extends its weather information services to the coastal community of the area. The Faculty of Agriculture, the Centre for Rural Development, NSS, RRC, YRC, etc. actively engage in many extension activities in the rural parts.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Annamalai University, a "university" in the true sense of the term, has been sustaining a unified ecosystem of education – by offering sundry programmes under one roof – even when the general trends are towards fragmentation. (The National Education Policy – NEP 2020 – recommends the transformation of HEIs into large multidisciplinary institutions)
2. Availability of diverse fields disciplines along with sports pavilion, gymnasiums, libraries, yoga/meditation halls ensures a fertile ground and favourable climate for learners to become well-rounded and competent individuals rather than mere "programmed specialists"
3. A natural ambience, with the availability of yoga training and value education, to inculcate a strong sense of ethics
4. Situated in a rural environment amidst agrarian and fishing communities affords unlimited scope for extension activities and naturally instils social consciousness in the learners
5. Adoption of Outcome Based Curricula (with unlimited scope in the choice of departmental electives, interdepartmental electives, VACs, internships, and current stream of thoughts) that runs strikingly parallel to the concepts of SDGs by UNO and anticipates the concepts of NEP 2020
6. A **Teacher–Student ratio of 1: 14**
7. Well equipped (1160 of 1530 teachers qualified with Ph.D./D.M/M.Ch./DNB) and experienced Faculty (**19 years as average teaching experience**)
8. Excellent student support through institutional scholarships, , coaching classes, placement training, etc.
9. Continuous patronage to non-utilitarian areas of research – Language, Literature, Linguistics, Fine Arts, Yoga,etc.
10. **A demand ratio** of **1:3.73** for its programmes
11. 58 Eminent Statuses like CAS, SAP, FIST etc., enjoyed by most departments
12. Commendable track record in research – *4567 publications of books/book chapters,*10542 *publications in indexed journals,* 2610 *PhD awards*
13. An impressive infrastructure facilitating the accommodation of a large number of learners in an optimal teaching-learning environment promotes the culture innovation, research and extension
14. An unparalleled heritage of antiquity – many departments of study are pioneers in their fields of study and in possession of a century old tradition
15. An everlasting Alma mater-Alumni bond as evidenced from the vast transnational alumni
16. A Knowledge Hub that has attracted students from **30 states of the country** and **30 countries of the globe**

Institutional Weakness

1. The gulf between the revenue and the expenditure is too wide to be bridged and hence the University experiences a severe financial constraint which, in turn, tells on the following:

- Sanction of seed money to promote research
- Financial support for faculty to attend conferences/seminars
- Provision of institutional research fellowship to student researchers
- Modernization of amenities in hostels

1. Less number of national and international awards by the faculty as well as students

2. Low percentage of per capita research project attainment by the Faculty
3. Shortfall in IPR activities of the Faculty due to their inclination towards publication

Institutional Opportunity

- **A significant rise in H-index** to be achieved with the tremendous performance of the faculty in research publications – Attainment of No.1 position in the state (at present No. 2) is likely in the near future
- **Floating of Trendy-Futuristic Programmes:** Space Science, Aeronautics, Urban Farming, Mass Communication, Journalism, Hospitality and Tourism, Data Science International Business, Supply Chain Management, Global Agriculture, Food Production, Yoga Science, Music Production, Liberal Arts, IoT in Agriculture, Marine Engineering, etc. Enrolling more students in these programmes.

- **SWAYAM – MOOCs:** Making the Students to pursue more courses through SWAYAM or other MOOCs platforms ensures reaping good quality at no, or less cost.
- Expanding Opportunities for **E-content development:** Deploying Staff Members, with certain special capacity building (e-Content Development) as needed, into the above Programs of Study
- **Offering more programmes** through the medium of Tamil so as to reach out to more number learners from the disadvantaged sections of the society
- Bright prospects for the establishment of **additional departments** to promote regional, national, and international languages such as Malayalam, Telugu, Kannada, French, Spanish, etc.
- Increasing the number of interdisciplinary programmes such as Media Management, IoT and Agriculture, Marine Engineering, Language and Media, etc
- **Rising to the global trends** in education by offering international programmes such as Global Agriculture, Food Production, Yoga Science, Music Production, Liberal Arts, etc.
- The University has already attracted students from 30 countries, mostly in Asia and Africa; and opportunities are bright for students to be gravitated from Europe and Americas
- Establishment of an exclusive centre for promotion of online programmes and hybrid programmes
- Opportunities to intensify research in Agriculture and Marine Sciences, Bio Sciences, and Engineering: e.g. Coastal and Saline Agriculture; Disaster Mitigation; Material Science; Virology
- Vast Nearby Patronage Area, about 200km long and 100km wide, close to 15% of TN, with most learners' first choice as Annamalai University

- **Alumni Involvement:** In the Uplift, and New-shoot development paradigms of the University Alumni Involvement would do well.

Exploiting the Opportunities: With thorough planning and commitment the above opportunities are to be exploited

Institutional Challenge

- Though purposefully established and successfully functioning from a disadvantageous   location, it is a challenge for the University to turn it into advantage. It poses a big challenge for the University to engage in the mission of nation-building:
- Challenges in organizing national and international programmes as the nearest airport is Chennai which

is 300 kms farther

- Conduct of campus placement drives becomes a challenge because of its geographical location; MNCs and other leading national companies pick their prospective employees from urban institutions
- Uncertain weather pattern and proneness to frequent disasters pose challenges in adhering to academic as well as administrative calendar
- Recurring expenditure on repairs and maintenance of its mammoth infrastructure in the aftermath of disasters
- Attracting and retaining students of high calibre is difficult as the rural backdrop of the University dissuades them.
- Location disadvantage, being located not even in a tier-3 city resulting in difficulty in accessing creamy resources and facilities.
- Round the year community outreach activities are hampered due to uncertain weather pattern

- Annamalai University happily offers education as a service to the students from marginalized categories without any profit motive and, naturally it is a big challenge to provide the learners with world-class amenities.
- Though the University is proud of its high student strength, it experiences real time challenges during the conduct of examinations, evaluation and the timely publication of results.
- Offering a wide range of programmes is yet another challenge even as adherence to the academic schedule is insisted which the University prudently overcomes.
- Since the majority of the student population hails from the rural India, it is a challenging task to get them out of their initial inhibitions make them feel their innate potentials. Enhancing the aspiration level of those students and tackling their infirmities in Language & Quantitative Aptitudes is a real challenge which the University happily overcomes.
- Offering access to higher education at an affordable cost to the underprivileged is a perennial challenge.

The legacy of the University, and the world-wide spread of the Alumni help tackling the challenges.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Dynamic alignment with the global/national need, trend and focus is the hallmark of Annamalai University Realizing that the strength of the University lies in its curriculum, Annamalai University has always given special care to designing and updating its curriculum. Being a unitary university with a wide range of disciplines, the academic atmosphere in the campus is always conducive for innovation. In fact, Annamalai University is a pioneer institution to introduce innovative Courses, Programmes, and Departments:

- Ph.D. in Horticulture - 1958
- Ph.D. Agricultural Microbiology – 1959
- M. Sc. Marine Biology – 1961
- M.A. Population Studies – 1978
- M.A. American Studies – 1998
- M.Sc. Marine Biotechnology– 2002
- M.E. Smart Energy Systems – 2013
- M.E. Microelectronics and MEMS - 2015
- M.E. Welding Engineering – 2016

- AU Department of Sports Sciences –2018

Annamalai University is proactive and futuristic in:

Introducing a wide range of faculties and disciplines that are progressive & human resource centric;

Offering 'current-cum-next-gen' academic and research programmes that are global & national in character;

Ensuring that the curricular contents exhibit 'features-fortes' of 'Depth, Width, Height & Subtleties'; and

Ordaining, 'Outcome-centric Learning Environment' and 'Performance Inspiration', for synergy and quality.

During the current assessment period also, the spirit of advancement has been behind the revision of the syllabi and course structure. Following are the highlights:

- A thorough revision and update of the syllabi across the University, even ranging up to three times in many programmes
- A systematic introduction of Learning Outcome Based Curricula (LOBE) enhanced with PSOs, POs, and Cos that bear remarkable relevance to the **UNO's Sustainable Development Goals (SDG)**

- Inputs garnered from Stakeholders' survey and Student Curriculum Feedback used during syllabus revision
- Induction of student representatives and Industry experts as members of BoS
- Ample scope for choice and flexibility in the courses offered through departmental/intra-departmental electives
- Provision to accumulate credits through MOOCs
- 1600+ new courses; 170+ VACs
- Courses with thrust on human values/professional ethics/gender equity/eco-sensibility/Cultural Heritage/Communal Harmony/National Pride/Bharat Philosophy/ Gandhian Values/Gender Sensitivity/Value Education/Mutual Respect/Dignity of Labour

- **Over 90%** of the courses offered have employability or entrepreneurship values

Teaching-learning and Evaluation

Hallmark quality in Teaching-Learning & Evaluation is the highway to produce classy graduates who would translate into diligent citizens, reputed professionals, leaders entrepreneurs and ambassadorial alumni. Throughout its history of 90+ years, the principle of social transformation through education has been the guiding principle of Annamalai University.

By way of fulfilling its motto of uplifting the downtrodden through education, the University has admitted a significant percentage of students from the disadvantaged categories. Majority of students in the campus are either first generation or opportunity starved needing heightened efforts on pedagogical inputs.A variety of appropriate measures are in place in order to meet the diverse needs of the students. Following are the sample highlights in these lines:

- A team of seasoned academicians with an average of 19 years of experience

- A galaxy of teachers academically and professionally qualified in every department: 1160 of 1530 teachers (71.93%) qualified with any one of the highest qualifications like Ph.D., D.M., M.Ch., or DNB.
- A remarkable Student-Teacher ratio of 14:1
- A record **demand ratio** of **1:3.73** for its programmes.
- A vibrant functioning of mentor-mentee system
- Student Counselling and Counselling for Women at every department
- Motivational incentives to teachers who receive awards/recognition at International/National/State levels
- ICT-enabled teaching-learning with smart class rooms, virtual conference halls, wifi zones, scuba diving digital boards, and advanced software such as Shrodinger, Montage, In silico etc.
- CIA, Internship, Practical, Final Examination with LOBE style: Examinations on pre-scheduled dates without lapse and speedy result publication. [Conduct of examinations to a massive strength of students without any lapse and speedy publication of results with the help of infrastructural facilities and in-house software. The conduct of online examination and expedited result publication (a week's time) during the Pandemic speaks for the efficient examination machinery in place]

- Question Paper Setting as well as Evaluation is based on K1 to K7 learning namely, **Remember, Understand, Practice, Analyze, Synthesize, Create and Evaluate.**

- A realistic attainment-assessment process monitors the dynamic modus-operandi of teaching-learning practice and helps in the identification of graduate attributes and short-comings in curriculum, if any.

Research, Innovations and Extension

Annamalai University has always taken a lead role in promoting innovations, research and extension activities since it strongly believes that the nation can be taken forward only through innovative, ethical research and its usefulness to the society. A number of initiatives and practices in this regard has contributed to the highly-charged research atmosphere of the campus during the last five years resulting in outstanding achievements in the field of research:

- Grant of 14 lakhs as Seed money to budding researchers
- Enrolment of 825 JRFs, SRFs, and PDFs over the period of five years
- A number of 190Awards or recognitions fetched by the Faculty and Students
- 58 special recognitions like CAS, SAP, FIST etc., generating funding to the tune of Rs. 8935.79 lakhs
- A sum of Rs.120206.44 lakhs (1044.16 + 14827.92+962.52) has been generated as research and consultancy grants through government and non-government sources
- A total number of 10542 Web of Science and Scopus indexed journal articles with a h-index of 111 (the second best among 24 State Universities of Tamil Nadu) with the highest per paper average citation of 17.08
- 4567 Books, book chapters and research articles in conference proceedings
- Award of two patents and publication of another 23 patents
- Award of 2610 Ph.Ds
- Introduction of **Research Ethics** as a mandatory course in all research programmes across the University
- Establishment of a state of the art **Central Instrumentation Lab** and a well-equipped media centre
- Upkeep of varied facilities such as Animal House, Green House, Museums, Theatre and Research

Databases
- 344 Workshops on Research Methodologies with 3327 beneficiaries
- 340+ E-contents Developed in various topics and 127 webinars conducted during Covid Pandemic on contemporary topics
- 280+ Impactful Extension Activities such as integrated farming, weather cast-reporting to fisher-folk, tsunami protection-preventive measures in coastal areas
- Over 60+ MoUs for Colloborative activiteies with international/national institutes, organizations or industries
- Among State-run universities in Tamilnadu, Annamalai University comes first with ten world-class scientists reached to the top 2% of world's best in Citation Index according to Stanford University, California.

Infrastructure and Learning Resources

Annamalai University, with a campus spread in about 1000 acres, is second to none with regard to its infrastructure facility. Through its infrastructural augmentation, the university ensures suitable ambience for the promotion of activities on curricular, extracurricular, research and innovative fronts.

AU Infrastructure at a Glimpse:

- 300+ spacious and well-furnished class rooms with a total built-up area of 3, 72, 000 sq. ft.
- 300+ well-equipped Laboratories with a Gross Floor Area of 4,08,000 sq. ft.
- 48 seminar halls with a cumulative capacity of 4000+ seats and a floor-space of 64000 sq. ft.

- 25 auditoria with 92300 sq ft Gross Floor Area and 13000+ seats
- A Central Library with a Gross Internal Area of 49,000 sq. ft.
- Department and Faculty Libraries with a fair collection of books and journals
- A Yoga centre and meditation halls with a total area of 20000 sq ft benefitting 3383 users every day
- 19 hostels with 4000+ rooms accommodating 12500+ students with modernised kitchens and other amenities
- A 6.5 acre Sports Pavilion at centre of the campus facilitating for the health of the stakeholders
- Net Usable Area of 80000 sq. ft. for offices in the departments
- An imposing Administrative Block with 2, 57,000 sq ft as Gross Floor Area
- 1800 pax examination-cum-evaluation halls exclusively for central valuation purpose

- A stately Guest house within reachable distance walk from almost every department with 105 non AC and 66 AC rooms providing hospitality to guests at nominal charges
- A multi-speciality 1400 bedded hospital with 17 modern theatres on an area of 94 acres catering to the healthcare needs of thousands of outpatients and hundreds of inpatients every day

Investment in Infra-expansion:

- Rs.1043 lakh worth equipment added to the existing list of equipment worth 2360 lakhs
- Rs.3698.28 lakhs has been invested in infrastructure augmentation
- Rs. 8606.62 lakhs has been earmarked in academic maintenance
- Rs. 5570.93 lakhs as budgetary provision for physical maintenance of the campus facilities
- Rs 200 lakhs has been invested towards IT updation and maintenance as a farsighted measure

Student Support and Progression

The university has always given more importance to the process than the product for it believes that the process will take care of the product. Knowing very well about the diversity of students in terms of their socio-economic backgrounds and abilities, ample redressal mechanisms, adequate 'scale-up' opportunities, and abundant 'advancing' measures for all learners are in place. The Annamalai Alumni Association acts as a bridge between the on-campus learners and the off-campus alumni across the globe facilitating fruitful exchanges between the accomplished alumni and aspiring students. The university insists that every learner 'tirelessly channel mind on rightful thoughts, ceaselessly steam energy towards performance and earnestly complete actions in style to achieve perfection. .

A score of policy provisions add fillip to the student-friendly learning environment of the campus:

- Induction programmes, in the beginning of every academic year, to orient the freshers to the academic environment in the campus
- Bridge courses and other analytical measures to identify disadvantaged learners as well as advantaged learners to cater to their different needs
- Remedial classes for the slow learners to ensure holistic development of the campus community
- Special classes for the fast learners to motivate them with noble objectives
- Coaching classes for various competitive examinations with the involvement of various departments
- Workshops by placement cells at the departmental, faculty, and university levels at frequent intervals
- Institutional and endowment scholarships to help learners who are deprived of other opportunities

Some other highlights regarding Student Support:

- Rs 4625.43 lakhs as scholarship to 28644 beneficiaries in addition to and other than scholarship for the reserved categories
- 189 placement training programmes benefitting 22,568 students
- 29 Capacity and Skill Enhancement Programmes with 3571 student participants
- A 100% efficient Grievance Redressal System in the examination process
- 20% average pass percentage of the university students in national and international exams
- 11% placement through campus placement camps
- 17% progression rate of students to higher studies
- 40 student Medals and awards bagged in sports/cultural events
- A generous contribution of INR 472 lakhs from alumni during 2015-20

Governance, Leadership and Management

The growth of any organization depends on its visionary planning and systematic execution of it. Annamalai University has carved a vivacious a long-term vision plan AU-2030). There is a well-defined vision statement that is supplemented by clearly defined mission statements. The vision as well as mission perspectives are reflected in spirit and practice in the academic as well as administrative governances of the University.

A significant thrust on the decentralization with the establishment of various independent but coordinating centres has further eased the functioning of the administrative machinery. Further, it provides administrative apprenticeship for those in the second/third lines to equip themselves for future leadership:

Directorate of Academic Research (DARE) to ensure hassle–free governance and regulation of the academic research programmes (PhD and M.Phil.) from the admission of students to the award of degrees

Directorate of Research and Development (DRD) to bring all the research projects, consultancy projects, testing, etc., under one umbrella to supervise and speed up the process of project activities and encourage more faculty to apply for research projects

Cells, Centres, Committees to facilitate and speed up the process of completing task-oriented academic and administrative works:

- Internal Quality Assurance Cell
- Directorate of Academic Affairs
- Student Welfare and Grievance Redressal Cell
- Directorate of Placement, Training and Entrepreneurship
- International and National Collaboration for Academic Research
- Centre for Environment, Health and Safety
- Centre for Renewable Energy
- Centre for Atmospheric Research and Climate Changes
- Centre for International Relations
- Centre for Intellectual Property Rights
- Centre for Skill Development
- Directorate of Training, Placement & Entrepreneurship
- Equal opportunity cell & SC/ST Cell
- Complaints Committee against Sexual Harassment of Women at Work Place
- Committee for Curbing the Menace of Ragging

Faculty Empowerment Strategies and Resource Mobilization:

- Allocation of INR 18, 36,806 for facilitating Faculty to attend conferences, seminars, and workshops in India as well as abroad
- Organized 107 Faculty Development Programmes and administrative training programmes with the participation of 5980 Faculty/Staff
- 1586 Faculty permitted to attend professional development programmes

INR 23.28 lakhs received from philanthropists

Institutional Values and Best Practices

"Diversity" is the distinctive characteristics of Annamalai University that distinguishes it from its counterparts and enables it attain distinction. The coexistence of diversities add to the learning experience of the young learners by broadening their outlook, heightening their attitude, and sharpening their perception. The plurality of the campus has a positive influence on the personality-building of the youth and prepares them for the process of nation- building.

Education is not simply "preaching"; it is "practice." Annamalai University exemplifies education it its ideal sense. The University has played a significant role in improving the overall socio-economic condition of the region through its educational service. Driven by the zeal to reach out to the local society, it has evolved

practices that involve direct intervention in the livelihoods of the people. These practices are in addition to regular outreach activities such as medical camps, special camps by NSS, blood-donation camps, etc.

- **NEST -- Neighbourhood Empowerment through Science & Technology** is a programme through which the rich scientific data and technological expertise that the University possesses for its academic purpose has been extended to the farmers and fishers in order to enable them overcome the occupational challenges, ensure guaranteed profits, and empower them socially and economically.
- **AURA -- Annamalai University Rejuvenates All** is a practice to Provide Yoga Training to people and make them realize enhanced phenomenal abilities -- physical, physiological, and psychological – from within. These practices have had positive changes in the lives of the people as evinced by the evidence of success.
- **Gender Sensitivity:** Campus tranquility is ensured through gender sensitivity courses and periodical events.
- **Environmental Consciousness** is not only preached but practiced: Energy conservation by sensor-tools, bio-gas plants, etc.
- **Waste Management:** All the five types of wastes, are reduced, recycled, and disposed as per concerned Government Guidelines, and Municipal practices.
- **Water Harvesting:** Massive lakes, In-let channels, Buildings with built-in measures to harvest rainwater.
- **Green Initiatives:** A largely green campus is augmented every year with avenue-tree additions; learners largely use cycles avoid plastics & tobacco.
- **Differently-abled Friendliness:** Ramps, lifts, toilets, signage, etc., are available.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	ANNAMALAI UNIVERSITY
Address	Annamalai University Annamalainagar
City	ANNAMALAINAGAR CHIDAMBARAM
State	Tamil Nadu
Pin	608002
Website	www.annamalaiuniversity.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Vice Chancellor	V. Murugesan	04144-237066	9842484502	04144-238011	naac.office.au@gmail.com
IQAC / CIQA coordinator	Arivudainambi S	04144-238282	9443515406	04144-238080	drnambi@gmail.com

Nature of University	
Nature of University	State University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	01-01-1929
Status Prior to Establishment,If applicable	

Recognition Details			
Date of Recognition as a University by UGC or Any Other National Agency :			
Under Section	**Date**	**View Document**	
2f of UGC	01-01-1956	[View Document](#)	
12B of UGC	01-01-1956	[View Document](#)	

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**	**Programmes Offered**	**Date of Establishment**	**Date of Recognition by UGC/MHRD**
Main campus	Annamalai University Annamalainagar	Semi-urban	975.35	480651.3	UG/PG/M.Phil./Ph.D./D.Sc./D.Litt./PG Diploma		

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	**Document**	
INC	103772_5506_7_1600941551.pdf	
MCI	103772_5506_2_1606459544.pdf	
PCI	103772_5506_6_1600944022.pdf	
DCI	103772_5506_5_1606459509.pdf	
NCTE	103772_5506_4_1601104599.pdf	
ICAR	103772_5506_3_1606459477.pdf	
AICTE	103772_5506_1_1600944015.pdf	

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				417				421				570
Recruited	318	99	0	417	350	71	0	421	453	117	0	570
Yet to Recruit				0				0				0
On Contract	93	23	0	116	37	2	0	39	974	278	0	1252

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				5891
Recruited	4380	1511	0	5891
Yet to Recruit				0
On Contract	0	0	0	0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				2112
Recruited	1961	151	0	2112
Yet to Recruit				0
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	2	0	0	0	0	0	0	0	0	2
Ph.D.	206	63	0	165	32	0	1353	371	0	2190
M.Phil.	3	0	0	7	1	0	370	58	0	439
PG	64	33	0	28	13	0	25	21	0	184

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

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

Distinguished Academicians Appointed As

	Male	**Female**	**Others**	**Total**
Emeritus Professor	2	0	0	2
Adjunct Professor	3	2	0	5
Visiting Professor	14	2	0	16

Chairs Instituted by the University

Sl.No	**Name of the Department**	**Name of the Chair**	**Name of the Sponsor Organisation/Agency**
1	Faculty of Indian Languages	Dr Ambedkar Chair	Ministry of Social Justice and Empowerment Government of India
2	Tamil Studies and Research	Thirukkural Chair	Central Institute of Classical Tamil Mysuru

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

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	5391	9	0	40	5440
	Female	4768	3	0	9	4780
	Others	0	0	0	0	0
PG	Male	1123	91	0	33	1247
	Female	1493	108	0	10	1611
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	6	0	0	0	6
	Female	3	0	0	0	3
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	2907	683	0	48	3638
	Female	1663	330	0	24	2017
	Others	0	0	0	0	0
Post Doctoral (D.Sc , D.Litt , LLD)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	15	10	0	6	31
	Female	52	4	0	0	56
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	24

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	1551	30	0	79	1660
Female	1648	19	0	19	1686
Others	0	0	0	0	0

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nill
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	Four Star	74	Cycle-1 Peer Team Assessment Report-2000 compressed.pdf
Cycle 2	Accreditation	B++	80.5	cycle - 2 Peer Team Assessment Report -2007 compressed.pdf
Cycle 3	Accreditation	A	3.09	Cycle -3 Peer Team Assessment Report-2014 compressed.pdf

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report

Agricultural Economics	[View Document]()
Agricultural Extension	[View Document]()
Agricultural Microbiology	[View Document]()
Agronomy	[View Document]()
Biochemistry And Biotechnology	[View Document]()
Botany	[View Document]()
Business Administration	[View Document]()
Centre For Advanced Study In Linguistics	[View Document]()
Centre For Advanced Study In Marine Biology	[View Document]()
Centre For Rural Development	[View Document]()
Centre For Skill Development	[View Document]()
Centre For Yoga Studies	[View Document]()
Chemical Engineering	[View Document]()
Chemistry	[View Document]()
Civil And Structural Engineering	[View Document]()
Civil Engineering	[View Document]()
Commerce	[View Document]()
Computer And Information Science	[View Document]()
Computer Science And Engineering	[View Document]()
Dentistry	[View Document]()
Division Of Animal Husbandry	[View Document]()
Earth Sciences	[View Document]()
Economics	[View Document]()
Education	[View Document]()
Electrical And Electronics Engineering	[View Document]()
Electronics And Communication Engineering	[View Document]()
Electronics And Instrumentation Engineering	[View Document]()
English	[View Document]()
Entomology	[View Document]()

Faculty Of Agriculture	[View Document](#)
Genetics And Plant Breeding	[View Document](#)
Hindi	[View Document](#)
History	[View Document](#)
Horticulture	[View Document](#)
Information Technology	[View Document](#)
Library And Information Science	[View Document](#)
Manufacturing Engineering	[View Document](#)
Mathematics	[View Document](#)
Mechanical Engineering	[View Document](#)
Medical Education	[View Document](#)
Microbiology	[View Document](#)
Music	[View Document](#)
Nursing	[View Document](#)
Pharmacy	[View Document](#)
Philosophy	[View Document](#)
Physical Education	[View Document](#)
Physics	[View Document](#)
Plant Pathology	[View Document](#)
Political Science And Public Administration	[View Document](#)
Population Studies	[View Document](#)
Psychology	[View Document](#)
Sociology	[View Document](#)
Soil Science And Agricultural Chemistry	[View Document](#)
Sports Sciences	[View Document](#)
Statistics	[View Document](#)
Tamil Studies And Research	[View Document](#)
Zoology	[View Document](#)

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
223	225	225	219	216

File Description	Document
Institutional data in prescribed format	[View Document]

1.2

Number of departments offering academic programmes

Response: 55

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
22175	21174	21123	22657	27203

File Description	Document
Institutional data in prescribed format	[View Document]

2.2

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
4766	5138	5162	6603	9734

File Description	Document
Institutional data in prescribed format	[View Document]

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2.3

Number of students appeared in the University examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
16389	14220	19668	21163	24882

File Description	Document
Institutional data in prescribed format	View Document

2.4

Number of revaluation applications year-wise during the last 5 years

2019-20	2018-19	2017-18	2016-17	2015-16
37	72	12	26	10

3 Teachers

3.1

Number of courses in all programs year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
6330	5636	5463	5301	5168

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1530	1698	1865	2412	2815

File Description	Document
Institutional data in prescribed format	View Document

3.3

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1418	1418	1418	1418	1418

File Description	Document
Institutional data in prescribed format	[View Document]

4 Institution

4.1

Number of eligible applications received for admissions to all the programs year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
38781	30817	22748	38335	18715

File Description	Document
Institutional data in prescribed format	[View Document]

4.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
3206	3122	3088	2940	3870

File Description	Document
Institutional data in prescribed format	[View Document]

4.3

Total number of classrooms and seminar halls

Response: 353

4.4

Total number of computers in the campus for academic purpose

Response: 2807

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
1771.39	5181.84	3138.35	4169.80	3614.45

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

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

Response:

The **economy-centric, eco-centric,** and **ethic-centric** nature of education has been stressed several millennia ago in our tradition by **Rishi Agastya**, Saintly Poet **Thiruvalluvar,** and in recent era by **Swami Vivekananda, Mahatma Gandhiji** and **Mahakavi Bharathi.** The essence of their philosophy, 'transforming textual knowledge into beneficial wisdom', is consciously pursued by Annamalai University which adheres to the unique principle of keeing up the tradition and adopting the dynamics of contemporary developments. Metamorphosing *with courage and faith* since 1929, Annamalai University has been meeting the changing needs of humanity by imparting inclusive, equitable, ethical, and quality education.

The programmes and curricula implemented from time to time help elevate the nation by providing multi-streams of rightly educated, trained, and tech-savvy human resources leading to multi-faceted developments at **local, regional, national, and global levels**.

The **Learning Outcome Based Education (LOBE)** system with carefully designed **Program Outcomes, Program Specific Outcomes, and Course Outcomes** has guided structuring the curricula rightful and righteous. The LOBE curricula of the University, imparting domain-cum-extra-domain awareness and aptitude-attitude combo, in tune with the global trends, groom the young minds to ably keep pace with the SWOCs of the world.

Its rural milieu in one of the less-educated districts of Tamil Nadu, is no bar to the University in offering multi-faculty programs that consciously and consistently concentrate on **local issues- coastal agriculture, rural entrepreneurship, ocean management, disaster management**, etc., besides **trendsetting in Engineering & Technology, ICT, Sports, Yoga, Medicine, Dentistry,** and **Nursing.**

The curricula encourage thinking globally and acting locally by percolating world's best knowledge to national and regional benefits. Recent developments at the national/global level are incorporated into the curricula:

- Swachh Bharat Programme as an open elective
- Industry 4.0, Digital India and Make-in-India concepts
- Biotechnology for Quality Food Production
- Remote Sensing for Precision Farming
- Environmental Humanities
- Fusion of the East and the West
- Green Library Technology
- Human Making Process

- 3D Analysis of Sports Skills
- Drug Development from Marine Resources

With the dynamic component called *Current Streams of Thoughts/Trends* embedded in every course, provisions are there to auto-embrace the prospective developments:

- Industry-5.0
- Alternative Energy
- Environment Sustenance
- Machine-Human-Interface
- Technology for Climate Resilience
- Genome Editing
- Nanotechnology
- Taking on Pandemics

The summit-goal of Higher Education, "transforming the catalyzed innate abilities of the learners into dynamic performing resources," is pursued vigorously. With this sort of dynamic performing resources, **achieving India Vision 2030 -- transforming India** into a Prosperous, Highly-educated, Healthy, Secure, Corruption-free, Energy-abundant, Environmentally-clean and Globally Influential Nation, is certain.

A few samples of dynamic curricula bearing remarkable relevance to the **UNO's Sustainable Development Goals (SDG)**, adopted by **Niti Aayog - SDG India Index**, the roadmap for achieving **local, national, regional and global developments**, are:

Courses	*UNO's SDG*	
Clinical Application of Yoga Therapy	Good Health and Well Being	
Women Studies	Gender Equity	
Postcolonial/Subaltern/Dalit Studies	Reduced Inequalities	
Village Attachment and Technology Transfer	Local Linkage	
Value addition of Horticultural crops	No Poverty & No Hunger	
Commercial Sericulture	Decent Work and Economic growth	
Renewable Energy	Industry and Innovation	
Climate Change and Disaster Management	Climate Action	

File Description	Document
Upload Additional information	[View Document](#)

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 100

1.1.2.1 **How many Programmes were revised out of total number of Programmes offered during the last five years**

Response: 234

1.1.2.2 **Number of all Programmes offered by the institution during the last five years.**

Response: 234

File Description	Document
Minutes of relevant Academic Council/BOS meeting	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Details of Programme syllabus revision in last 5 years	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 94.04

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

2019-20	2018-19	2017-18	2016-17	2015-16
6155	5314	5122	4915	4764

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.

Response: 36.21

1.2.1.1 How many new courses were introduced within the last five years.

Response: 1676

1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.

Response: 4628

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 91.48

1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 204

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

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

Response:

With **"*Faith"*** enshrined in its motto, Annamalai University has been marching towards the noble goal of touching and transforming human lives – **professionally, ethically, gender-sensitively, humanely and environment responsively** – through contemporarily relevant programmes of study with rich and updated contents embedded with **Ethics-Empathy-Environment** consciousness, transforming learners into willed citizens with nobility in thought and sensitivity in action.

Apart from knowledge and skill, mind-set development – the quintessence of responsible behavior, innovative practices, and the basis for exuberant execution – is also emphasized. As tabled below, 380+ courses of the University syllabi have insightful contents stressing the significance of these veritable issues, in addition to specific courses on environmental studies, human values, ethics, etc., as mandatory in

all programmes.

Crosscutting Issues	Core Courses	Elective Courses
Professional Ethics	53	23
Gender Sensitivity	38	12
Human Values	49	26
Environment Sustenance	86	96

Apart from offering **ethics** as a separate course, many facets of **ethical issues** are covered in 76 courses, particularly, professional ethics which instill a kind of mental resolve amongst the young learners and researchers that they should adhere to responsible, straight-forward and disciplined conduct in personal, professional and social walks of life. Research courses stress the relevance and need for **intellectual ethics**, **best practices,** and **etiquettes** involved in respective fields along with insights into issues such as protection of **IPR**, **zero-plagiarism**, etc.

Aspects of **value education** have been infused in 75 courses that stress the rich tradition and its contemporary merits. Values from **Tamil, Sanskrit** and other languages, both East and West, are curricula-merged. **Cultural heritage, communal harmony, National pride,** and **mutual help** are stressed. Tenets from **Indian Freedom Movement**, **Gandhian Philosophy** and **Indian Constitution** are integrated into the syllabi of Humanities and these serve as epitome of value-laden human life. Moreover, doctrines of human and labour rights are enlisted.

Concerns of **gender-equity** awareness among students are addressed through 50 courses across various disciplines. The **dignity and rights of women** and their contribution to family, society, and nation are highlighted. Emphasis on **eradicating female infanticide, dowry, workplace discrimination**, and **disparity in education** is laid in the curricula. Issues of widow remarriage, health and nutrition, and rural development are underlined in these courses. Special emphasis is laid on the following issues:

- Gender Perspectives and Women Development
- Gender Empowerment, Equality and Equity
- Gender Technologies/ Methodologies
- Gender-based Laws for Entitlement
- Gender Sensitization
- Gender Tools
- Woman Studies
- Women's Writings

Aspects of **environment education** are stressed through 180+ courses, covering the impact of **human intrusion on ecosystem** and the need for sustainable development.

- Green Computing
- Green Library Technology
- Water Resources Management for Rural Development
- Energy Resources for Rural Development

- Environmental Physics
- Green Chemistry
- Environmental Chemistry
- Environmental Geosciences
- Environmental Engineering
- Disaster Management
- Industrial Pollution Control
- Renewable Energy Technology
- Organic Farming
- Environmental Horticulture
- Marine Pollution
- Ocean and Coastal Ecology

Further, courses and course contents on **Climate Change** have been incorporated into the syllabi emphasizing, "**Minimizing** environmental degradation, by **renouncing, refusing, restricting, reducing, reusing, re-charging, remodeling, redesigning, & recycling",** and **"Maximizing** environmental **restoration, rehabilitation** & **protection.**"

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	[View Document](#)

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 173

1.3.2.1 **How many new value-added courses are added within the last five years.**

Response: 173

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or any other document relating to value added courses	[View Document](#)
Any additional information	[View Document](#)

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 14.29

1.3.3.1 **Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
2808	4473	2162	2973	3898

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

Response: 53.13

1.3.4.1 **Number of students undertaking field projects or research projects or internships.**

Response: 11781

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

Response: A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	[View Document](#)
Institutional data in prescribed format	[View Document](#)

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

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	[View Document](#)
Institutional data in prescribed format	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 3.73

2.1.1.1 **Number of seats available year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
8215	8015	7714	7570	9040

File Description	Document
Demand Ratio (Average of Last five years) based on Data Template upload the document	View Document
• Any additional information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

Response: 100.01

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
3206	3122	3089	2940	3870

File Description	Document
Average percentage of seats filled against seats reserved (Data Template)	View Document
Any additional information	View Document

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

Response:

Most of the aspirants stepping into Annamalai University are first generation students from rural background who have completed their school education in vernacular medium. They need focused training in **language proficiency and exposure to technology-tinged learning-capacity** besides gender-eco-social sensitivity and attitude-tailoring for all. Academic Departments provide **Induction/Orientation** and **bridge-cum-remedial inputs** to upscale knowledge-skill-attitude levels of the fresher.

Assessment of Learning Level:

With the help of academic records and a mix of assessments, the **clusters of slow and advanced learners** are identified. Subsequently, programme coordinators and faculty mentors start adopting student-centric measures to ensure sound learning and holistic moulding. The robust **Mentor-Mentee System** helps to bolster confidence and competence of learners.

Care for Slow Learners

 Appropriate practices and measures are in place to address the needs of the average/slow learners:

·   **Bilingual Teaching Methods** in the first semester

·   **Language Proficiency tools:** Vocabulary building (**for fluency**), speech listening (**accent**), newspaper reading (**scripting**), course-wise glossary reading (**for clarity**), and Webinar and IT-enabled learning (**trendiness**) are made available

·   **Trial Tests and Mock Examinations** to cope up the pressure of scoring marks

·   **Discussion Group Classes** to build confidence and perseverance

·   Some **Curricular Regulations for Slow Learners:**

o   **Built-in Credit Modification System** in **BE programmes** to withdraw a maximum of 2 courses per semester from IV to VII semesters and take up those courses in the fifth year with no credential discrimination

o   In **B.Sc. (Nursing)**, term tests are conducted **thrice** and the average marks of **best two performances** are considered for the award of internal marks

Menu for Advanced Learners

In addition to policy provisions, custom-made and curriculum-embedded porgrammes and practices are available to address the requirements of the advanced/fast learners and channelize them in right directions:

·   **Student Symposia** to engage innovative thoughts and encourage **Publication** of research articles

·   **Registration fee waivers** for students in seminars/workshops provide them with platform to interact with scientists, alumni legends, entrepreneurs, prodigious brains and social/cultural stalwarts. Interactive

encounters and initiated rendezvous enable them to dream,   live the dream and ascend with the dream

·   Opportunities to conduct and participate in student research conventions like ANVESHAN by AIU

·   **Abundant choices** of Inter-department electives and value-added courses **across the ten faculties**

·   Exposure to Artificial Intelligence (AI) components, Internet of Things / Everything / Anything (**IoTEA**) kind of attributes energy efficiency, environments foot-prints, etc.

·   Coaching classes for **UPSC**, **UGC** and **CSIR NET, SET, GATE GRE, CA, ACS, ICAR ARS/NET** and **JRF**

·   **Curricular Regulations for Advanced Learners**

o   Certain regulations in the Faculties of Engineering, Arts, Science, and Agriculture provide academic flexibility through registration of MOOCs in SWAYAM

o   Provisions in the B.E programme regulations to offer **"One-Credit Courses"** by an expert from Industry with tailor-made syllabus or through "**National Skills Qualification Framework Courses"**

o   **Honours Degree concept** is integrated in all B.E. programmes

B.E. Degree with additional Minor Engineering as a stimulus if a student completes an additional 20 credits, earned from the courses offered by any one of the related departments.

File Description	Document
Upload Any additional information	View Document

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)	
Response: 14.49	

File Description	Document
Any additional information	View Document

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

Response:

"Education" cannot afford to be a mere accumulation of bookish knowledge; it should lead to the overall

development of one's personality. Keeping this in mind, extraordinary care has been taken to guarantee the availability the real-life learning experiences of the learners. As the student-centric methods involve as well as benefit the local and regional communities, eventually the society and the student community get mutually benefitted from each other.

The curricula of most programmes in the University have built-in courses on experiential and participative learning encompassing internship, work experience, research, project work, in-service learning in core or allied areas through a planned framework, supervised and assessed by course teachers. Such courses stimulate academic inquiry by promoting interdisciplinary learning, civic engagement, career development, cultural awareness, leadership, and other professional skills. Learners are trained to observe, think, analyze, synthesize, evaluate and apply the acquired knowledge. Many courses also have components to stimulate learners' problem solving abilities.

Experiential Learning Activities

- Proto-Type Developments, Technical Exhibition, Summer Internship, Rural Awareness/Horticultural Work Experience (RAWE/RHWA)
- School internship, Summer Internship, Model Farm Clinic, Bee keeping, sericulture, nursery planning, Landscaping, Organic Pesticides and Fertilizer Production, Do-it-Yourself
- **Applied Project** or **Mini Project** in Data Science, Budget and Stock Market Analysis, Case Study, Village Survey
- **Attachment to** Factory, Agro-industry, Media Industry, NGOs, Rural Development, Financing Institutions,
- **ICT Exposures** - Designing E-Magazines, You Tube Content Development & Hosting/ App Application, App Development, etc.
- **Civic Engagement**- Yoga, Sports, Sport Meets, Debates, Stage Play, Oratory, Job Fair Conduct, First Aid Training, Rescue Deeds, Coastal and Campus Cleaning Programmes, etc.
- **Hands on Experience** - Family Health Advisory Programme, Home Visits, Ward posting in Hospital, Case Discussion, Surgical Exercise, Studies on Difficult Case Scenarios and Simulated demonstration in emergency resuscitation, etc.

Measures for Participative Learning

- Active Learning, Assignment Groups, Brainstorming, Business Games, Case Studies, Poster Making, Picture-Depict, etc.

- Crafting Skills, Critical Incident Analysis & Ranking, Try-it-Out, U Can-U Can't, etc.
- Community Mingling, Learning and Surveying, Compassion Clubs, and Empathy Guilds
- Cropping, Crop Care, Field Raising, Field Visit, Field Practicum, Concurrent Field Work, insect rearing, seed collection, weed collection, etc.
- Debate Groups, Discussion Teams, Demonstration, Gaming Sessions, Introspection Groups, Safe Play, Skit Play, Media-Mix, etc.
- Excursion-cum-Education, Expo Stall, Facilitation Classes, Factory Visit, and Field Survey
- Mood/Scene Depict: Affluence, Penury, Compassion, Emotion, Valour, Anger, Happiness, Fear, Love, Ecstasy, Exclamation
- Simulation of War Front and Tsunami Delusion
- Exposure to Folk Arts, Folk-life Style through Local Folks and Leaders
- Mock Interviewing for Jobs/ Journalism

- Quid-pro-Quo, Stock Quotes, Auction Conducting, Price- Value Matching, Value-Volume-Velocity
- Quotable Quotes, Story-Continuing, Sing-a-Song, Script-a-Song, Talk-a-Minute Non-stop

Platforms for Problem Solving Methodologies

- Annamalai University Department Business Administration– AUDBA Technos, AUDBA Wings, Quest, Tuners
- Business Plan Contest, Brand Tree, Intra-Management Meet (AUDBA Climbers), Writing and Development (AUDBA Powwow), Outbound programs, Student Level Conferences, International Industrial Tour, Journalists-Meet
- PUTS (Put You in Tight Spot), Provoke Reaction, Resolving Conflict Resolution, Quest Quick, Problem Solving, Presentation, Question Tag
- Clinical & Surgical Practices, Clinical Psychology, Intensive Care, Medical Emergency Handling, Pandemic Preparedness, Med-camp
- Innovation- Entrepreneurship Eco-system, Artificial Intelligence, Internet of Things

File Description	Document
Upload any additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

Annamalai University has a   state of the art IT facility, a jewel in the crown of its overall infrastructure, including campus-wide intranet connection with an exclusive 1 GBPS bandwidth internet leased line.

ICT Tools

- One out of two classrooms in the campus are ICT enabled
- Many Smart classrooms and laboratories equipped with LED interactive touch panel displays, Electronic podiums, Document cameras, Microscope Connected to Projectors, Smart Boards, Multimedia Boards, Lecture capturing cameras, etc.
- An exclusive Media Centre to support the creation of e-learning resources

Software

Various state of the art, subject specific, ICT software, most of which are in-house developed, such as the following are in use:

- **ENVIS database** to access information on estuaries, mangroves, coral reefs and lagoons and other marine resources
- **3-D Montage software** for real time image capturing of minute insect structures and specimens

- **Scuba Diving Digital Board** for deep sea diving and navigation in the Faculty of Marine Sciences
- **Ocean Information System** on marine biodiversity
- **GIS Software Tools** for examining geographic patterns, trends and relationships
- **Shorindnger Software Tools** for simulation of pharma and material research
- **In Silico and Bioinformatics tools** for computational biological exercises

Classroom ICT tools

- Online resources like virtual labs and video contents are integrated as learning material
- Workplace Management Systems like Google Classroom, Zoom meeting, Go to meeting, Edmodo, Microsoft Karizala to deliver contents and review assignments
- Social media network groups for real time reporting, attendance and on site work progress for monitoring Hands-on training, Industrial visit, Rural Agricultural Work experience
- University website hosts online tutorial classes
- Exclusive Microsoft Teams ID for all the teachers and students have been created
- Specific virtual platforms created to handle and monitor online classes in defined schedules

Teachers/Administrators ICT Savvy

- The faculty of the University have exposure to and are proficient with the conduct of online classes, seminars and LMS.

Online and ICT Learning Resources

- 24 x 7 remote access of University library resources through "Myloft" app
- Integration of the department and faculty libraries with the central library to facilitate remote access to resources in all the libraries from one point
- Web link for remote login for various resources including J-GATE, ProQuest database for E-journal and books and Central Library are provided in university website
- Online resources like e-journals, e-books, Online databases, Statistical software, Mobile apps, CD-ROM, You tube videos, Carnatic.com, kutcheri buzz for delivering teaching material
- Link to e-learning resources like SWAYAM portal, e-PG Pathshala, etc., along with details of university level coordinators provided in the University website to facilitate easy enrolment of students

- E-content resources for the students are made available in the Student Portal under the header "Learning Resources."
- INFONET lab to facilitate the students to broaden and strengthen their knowledge

Proprietary Online Programs and Learning Material

- Provisions and set guidelines to conduct Ph.D. Viva-Voce through Video conferencing using Google, Skype, Microsoft technologies, etc.
- Scores of online courses are offered online

300+ Course contents and more than 30 Video links of various programmes are made available and accessible to students on the University website.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 14.49

2.3.3.1 **Number of mentors**

Response: 1530

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	[View Document](#)
Circulars pertaining to assigning mentors to mentees	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 145.56

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. year-wise during the last five years

Response: 71.93

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1160	1258	1355	1695	1881

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 18.93

2.4.3.1 **Total experience of full-time teachers**

Response: 28970

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document
Any additional information	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

Response: 3.63

2.4.4.1 **Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
6	39	7	11	12

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

Response: 29.7

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 last five years

2019-20	2018-19	2017-18	2016-17	2015-16
20.5	32.5	36	29	30.5

File Description	Document
List of Programmes and date of last semester and date of declaration of results	[View Document](#)
Any additional information	[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0.19

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
37	72	12	26	10

File Description	Document
Number of complaints and total number of students appeared year wise	[View Document](#)

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

Response:

Examination Management System of Annamalai University is robust with IT integration and reforms to handle the conduct of practical, theory and viva examinations for over 19,000+ students across 340+ programs every semester, maintaining confidentiality, transparency, and scalability, besides being dynamic to changes and enhancements so as to strengthen it, make it fool-proof and address the grievances of students, if any, effectively.

IT Integration

- **OMR** (*Optical Mark Recognition*) sheets have been introduced to avoid errors in manual entry of marks and ensure 100% accuracy in data entry
- **Electronic coding** and **decoding** of candidates' details and course and program particulars in OMR answer script has resulted in a faster result publication process
- **Bar coded** dummy number system has been replaced by conventional dummy number system to ensure increased confidentiality
- **In-house designed software** are in place to process the OMR answer scripts and mark statements
- **SMS Notification**, for urgent messaging, if any needed, during examination times to all the stakeholders
- **Email Facility** for faster and faceless grievance redressing system
- **CCTV camera surveillance** in central examination halls and central valuation blocks
- **System of e-communication,** highly secured, confidential, password-protected for question paper setting and thesis evaluation
- **'Urkund' software** mandatory for plagiarism check of theses, research articles, seminar and conference papers, books and book chapters

Reforms

- **Learning Outcome Based Education** system in vogue through University-wide reforms in examination and evaluation system ensuring adequate attainment measurement
- **Bloom's Taxonomy** and Blooms Technology+ both in the CIA and end- semester examinations paving way for effective assessment of outcome attainment and graduate attributes

- **Automated examination procedure** significantly using indigenous and custom-made software enhancing utility
- **Website Uploading** of Examination **schedule** and notification informing **registration** for examination, enabling quick and accessible dissemination and helping the students to plan and prepare well in advance leading to better performance of students.
- **Online portal** for examination **registration** to enable the students to complete the process faster and easier
- **Mandatory Electronic payment** mode for every fee-payment in the University
- **Online filling** of requests for **revaluation** of answer scripts helping the students and university in saving time and environment by reduced use of paper
- **Online uploading** of Continuous **Internal Assessments** of performance of students
- **Online** downloadable **publication of semester-results** helping students to view their results instantly from anywhere, anytime
- **Online tracking** of **research-registration** progress and **thesis evaluation** (Foreign and Indian) status enabling research scholars well informed
- Through e-SANAD facility, a novelty under Digital India initiative, the University provides contactless, faceless, cashless, and paperless **document verification/ attestation/ apostle service** for its graduates across the globe

With the above IT Integration and Reforms in Examination Management System, a significant level of positive impact on the examination procedures and processes has been achieved making the whole process:

- Easier (for storing, sorting, retrieving and information processing and reporting)

- Faster (in declaring results, information flow, processing and solving grievances)
- Smarter (more confidential, more transparent, quicker and real-time)
- More efficient (less resources, paper-usage reduction, value-information extraction, report generation and more output)
- More student-friendly (info-access, e-filing, e-remitting, e-tracking, etc.) than the erstwhile one

File Description	Document
Year wise number of applications, students and revaluation cases	View Document
Any additional information	View Document

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

Response: 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document

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

Response:

The Learning Outcomes are derived by consciously reflecting the unfolding and ever-increasing human resource requirements of the primary, secondary, tertiary, quaternary and quinary economic sectors of the current and future needs of the nation and the world at large. The curriculum of a program must thoughtfully reflect the POs, PSOs, and COs. The curriculum, pedagogy, learning, exposure and evaluation methodology must eventually help the realization of the Learning Outcomes by the learners. With this objective the Learning Outcome Based Education (LOBE) has been chiselled.

Dissemination of LOBE:

The University takes utmost care in publicizing the LOBE components among all stakeholders in general and students and course-teachers, in particular:

- Each course is outlined with Course Outcomes and their mapping depicted through a matrix table

presented along with the syllabus of the course in the handbooks

- Handbooks highlighting LOBE are available as downloadable PDF links in the student portal of the University website
- Multiple copies of the handbook are kept in the departments for reference by the students and the Faculty
- Relevance and significance of the learning outcomes is discussed with the teachers in every IQAC Meeting
- Students are sensitized about the LOBE by the Head, Course Teachers and Mentors

- Model question papers based on Bloom's Taxonomy are available in the student portal to familiarize learners with LOBE
- An e-flyer highlighting the LOBE and attainment assessment process is distributed among the students as well as the teachers and available on the University Website.
- Teachers are sensitized by periodical **Faculty level workshops** on outcome mapping and attainment protocols and they dwell upon its impact among the students for a better understanding of LOBE

Graduate Attributes Concentrated:

Graduate attributes are drawn, disseminated, and consciously pursued to make learners well-endowed, and finely-rounded with competencies as described below:

Graduate attributes contributed by Programme Outcomes

- Career Capacitated
- Leadership Leveraged
- Generosity Galvanized

Graduate attributes contributed by Programme Specific Outcomes

- Domain Knowledge
- Lateral Knowledge
- Cute Communication Skill
- Complex Problem-solving Skill
- Job-Gadget Skill
- Multi-cultural Skill
- Collegial Attitude
- Ethical Attitude
- Sagacious Behaviour
- Comradeship Behaviour

Graduate attributes contributed by Course Outcomes

- Conceptual Clarity and Grip
- Functional Literacy (Fundamental + Modish)
- Efficient Quantics (Primary + Nuanced)
- Understanding and Application Capacitated
- Research-bent and Problem Solving Endured

- Synergy through Generic Acquaintances
- Peer Facilitated Thorough Learning

Assessment Process for Attainment

As the fruits of outcome based education are best obtained only through assessment of attainment, the University has thoroughly thought for its integration in the assessment process and executed it through developing a quantifiable, multi-dimensional set of scoring guidelines -- RUBRICS. The results of the attainment are also made available in the website for understanding the holistic realm of LOBE.

- Continuous Internal Assessment and End Semester examinations are Outcome Based and designed on educational model of Bloom's Taxonomy
- The University has incorporated a built-in mechanism of analysing attainments of students by department level attainment assessment committees
- The outcome Attainment of students are assessed and discussed by the department level committees and help to identify shortfalls in syllabus. These inputs have made the curriculum revision more dynamic

File Description	Document
Upload COs for all courses (exemplars from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for Additional Information	[View Document](#)

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

Response:

Considering the diversity of the programmes offered and the massive on-campus student strength, the University has developed a tailor-made outcome attainment assessment protocol implemented with custom-made protocol in Excel spreadsheet. Assessment of Learning Outcome Based Education (LOBE) attainment is done using Rubrics at four levels.

Rubrics Level 1 – Curricular Level

Initially at the curricular level, well laid out course outcome statements are mapped with programme outcomes and programmes specific outcomes on a Four-point Affinity Scale:

Strength of affinity between COs and POs/PSOs	Score
No affinity	0
Low affinity	1
Moderate affinity	2

High affinity	3	

This makes the qualitatively attainable course outcomes as quantifiable assessment Rubrics that, in turn, facilitates its integration in the assessment process. Further, this variation in affinity strength is summed up as CO contribution to attain various POs/PSOs (CO - PO Mapping scores) by a single course and is apportioned in terms of percentage to every course using the following formula:

PO/PSO attainment contribution of individual course impact (%) = (CO-PO/PSO mapping score/strength of affinity of individual course / Total CO-PO/PSO mapping score/strength of affinity contributed by all courses) x 100

Rubrics Levels 2, 3 & 4 – Individual Student Level

The direct assessment methodology is adopted to calculate PO attainment of a student for particular course. In the mid-semester and end semester examinations, questions relating to specific course outcomes reflecting Bloom's Taxonomy levels are put forth to test the cognitive levels of the students. Further, to provide consistency in evaluation, set of continuous assessment methodologies such as assignment, quiz, seminar, presentation, mini project, term paper, *viva-voce* etc., contributing significantly to the outcomes are adopted at every stage of the course and their scores are integrated in the final marks. Thus, the percentage marks obtained by an individual student (Rubrics level 2) is a reflection of his/her course outcome attainment level.

To calculate PO attainment from a particular course, the total marks obtained by the student is taken into account along with the percent of apportioned PO attainment contribution by the course concerned as per the formula given below:

PO/PSO attainment from a course = (PO/PSO attainment contribution of individual course impact (%) / Total marks obtained by the student in the course) x 100

he PO attainment of a student from every course is added to derive total PO attainment for that specific PO number. The average attainment of all POs is calculated and termed as PO attainment Index of the student (Rubrics level 3). The passing minimum marks (in %) prescribed for a particular programme is fixed as the threshold level to compare the achievements of students based on PO attainment in a course or PO attainment Index in a programme, and grade them in different category as **Achiever/Advanced /Base/Not Attained levels** (Rubrics level 4). As the methodology involves Rubrics at curricular level as well as individual student performance, the worked out attainments give insights about the strengths and weaknesses of the curricula and serves as an indirect feedback for curricular revision.

File Description	Document
Upload any additional information	[View Document](#)

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 95.32

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 4404

2.6.3.2 **Total number of final year students who appeared for the examination conducted by the Institution.**

Response: 4620

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.36	
File Description	**Document**
Upload database of all currently enrolled students	[View Document](#)

Criterion 3 - 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

Response:

The research facilities of small to big, British period to present times, German make to Chennai make, basic sciences to applied sciences, farm sciences to pharmaceutical sciences, and information sciences to instrumentation sciences exist supporting the strong research-inventive-patent culture of the University which has ensured reaching an h-index of 110 and patents filed and granted numbering 15 thus far.

- Nine faculty members from the University are found among the world's top 2% scientists according to a survey **(2020)** conducted by the **Stanford University, USA.**
- The '**SCImago Institutional Ranking' (2019)** has ranked the University 9th in Tamil Nadu and 29th in India.
- International Comparative Performance of India's Research Base, a joint report by Elsevier and the DST rated the University as the **top Indian Institute in Pharmacology** and the 17th among the top 30 Indian Universities in Publications.

Fifteen departments are supported by UGC-SAP, **twelve** by DST-FIST and **two** have been enjoying the status of **Centre of Advanced Study.** The CAS in Marine Biology has been identified as the only Centre with Potential for Excellence in Marine Sciences. Annamalai University has joint Research and Innovation Partnerships with 24 institutions across the globe such as **Karolinska Institute, John Hopkins University, and University of Michigan,** *etc.* **Research projects** with **international foundations** and industry majors such as Bill & Melinda Gates Foundation, Bayer, CavinKare, Dow Agrosciences, HCL, L&T, Accenture and others are ongoing. The effective implementation of research policy and periodical update of research facilities marshaled by the Research & Development Directorate has resulted in the above stated achievements.

During 2015-20, Rs.1043 lakhs has been invested towards updating research facilities. Some samples:

- Image Xpress picoll automatic cell (Molecular device)
- Automated patch clamp
- MALDI-TOF Mass Spectrometer
- Cardio pulmonary exercise testing
- Isokinetic machine
- Thermoluminensence dosimeter
- Spectramax 13X
- Advanced CMT welding machine
- Plant Growth Chamber
- Centre for Sophisticated Instruments and Inter-disciplinary Research (in pipeline)

Annamalai University Research Policy

The University has evolved its well defined and dynamic Research Policy **(uploaded on the University**

website) with a candid depiction of the Preamble, Objectives and Approaches to promote Basic, Applied, Patent-centric and Frontier Research activities. It includes the following components:

Types of Research:

- **Progressive Degree-centric** (M.Phil., Ph.D., etc.)
- **Policy-centric** (Economic, Population, etc.)
- **Project-centric** (UGC/ ICSSR/ ICAR/ ICMR/ MHRD/DST/MoEF/Industries, etc.)
- **Problem-centric** (Environment-hazard mitigation, Pandemic-vulnerability controlling, etc.)
- **Patent-centric** (Science, Engg. &Technology, Farm Sciences, etc.)
- **Product-centric** (Seeds, New crop variety, etc.)

Conventions, Ethics, and Regulations:

- Bench-mark Standards and Norms (WoS/Scopus requirements)
- Ethics/Guidelines as to Environment, Animal-usage and Hazardous waste disposal
- Regulatory Guidance for Conducting Clinical Trials and Project Administration
- Plagiarism Policy & Procedures
- Security and Sensitivity Clearance for Projects Involving Foreigners/Foreign Collaborations

Consultancy Rules:

- Fields of Consultancy
- Facilitation by University
- Revenue Sharing

Accounts and Audit:

- Finance & Accounting – GeM, DBT, etc.
- Areas and Extent of Autonomy
- Audit Certificate & Utilization Certificate

Outcome Focus:

- Outcome in the form of quality publications with good citation
- Continued/renewed consultancy assignments
- Applicative utility for real-life, IPR generation, Farm inventions, etc.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	
Any additional information	
URL of Policy document on promotion of research uploaded on website	

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 11.34

3.1.2.1 **The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	50.36	6.33

File Description	Document
Minutes of the relevant bodies of the University	
Institutional data in prescribed format	
Any additional information	

3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 0.38

3.1.3.1 **The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
10	8	4	7	10

27-10-2021 10:08:05

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of the award letters of the teachers	[View Document](#)
Any additional information	[View Document](#)

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 825

3.1.4.1 **The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
212	261	138	170	44

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.1.5 Institution has the following facilities to support research

1. **Central Instrumentation Centre**
2. **Animal House/Green House**
3. **Museum**
4. **Media laboratory/Studios**
5. **Business Lab**
6. **Research/Statistical Databases**
7. **Mootcourt**
8. **Theatre**
9. **Art Gallery**

Response: A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	[View Document](#)
Upload any additional information	[View Document](#)
Paste link of videos and geotagged photographs	[View Document](#)

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

Response: 69.09

3.1.6.1 **The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.**

Response: 38

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document
Any additional information	View Document

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 last five years (INR in Lakhs).

Response: 1044.17

3.2.1.1 **Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

2019-20	2018-19	2017-18	2016-17	2015-16
222.72	313.34	306.289	111.01	90.814

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

Response: 14827.92

3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
609.08	7011.32	1110.831	909.19	5187.50

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document
Any additional information	View Document

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

Response: 1.59

3.2.3.1 **Number of research projects funded by government and non-government agencies during the last five years.**

Response: 449

3.2.3.2 **Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 1415

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Paste Link for the funding agency website	View Document

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.

Response:

Annamalai University, gifted with 'multi-disciplinary facilities and faculties' for incubating and nurturing inventive ideas, is a natural eco-system for innovation.

Annamalai Innovation and Incubation Research Foundation (AIIRF) is registered under Companies Act 2013 (CIN: U85300TN2019NPL127608) and funded (Rs. 234 lakhs) by Entrepreneurship Development and Innovation Institute (EDII-TN). Its major thrust areas are Advanced Manufacturing, Life Sciences, and Water and Environmental Technologies. The AIIRF has signed MoUs with 10 startups (4 for incubation and 6 for pre-incubation) and 4 incubatees are in pipeline.

Owing to the efforts of the AIIRF in technology transfer, a Mini-Scale "Vettiver" oil extraction plant to promote rural livelihood is coming up; and an incubatee, Mrs. Sarojini, has received IIT-M's "L-RAMP Award of Excellence." The centre has been active even during Covid-19 and conducted 19 webinars with 2000+ beneficiaries. It has signed MoUs for collaborations with major institutions/industries.

The University has exclusive centers for innovation:

- **Lab** to **Land, Lab** to **Pond** and **Lab** to **Industry** ventures have borne yields.
- The **innovative 'Rice + Fish + Poultry' integrated farming system,** initially propagated in Tamil Nadu has become international, with farmers in **Nepal** adopting it.
- Several new strains of plant pathogens have been isolated and their gene sequences deposited in NCBI.
- First reports of *Bacillus tequilensis* RP01 in association with *Serratia rubidaea* SNAU02 was found effectively degraded LDPE waste
- Developed novel ornamental fish breeding technology and transferred it to Gujarat farmers and local youth
- Air springs for high speed trains of Indian Railways tested and new mix proportions for geo polymer road developed in the University
- The **Centre for Material Joining & Research (CEMAJOR)** provides **incubator** facility and welding laboratory service. The recent outcomes are:

1. Friction Stir welding procedure for Aeronautical Development Agency (2016).
2. Corrosion Resistant coating by Micro Arc Oxidation method for CSIR (2017)
3. Welding Procedures & Specifications (WPS) and Procedure Qualification Record (PQR) standardized for Gas Turbine Research Establishment (2017) and SERB (2018)
4. WPS and PQR standardized for High Hard Armour Steel Plates for ERIPS, DRDO (2019).

- The **Centre for Environment, Health & Safety** (**CEHS**), a Quality Council of India "A" Grade accredited EIA organization (the only one of its kind in Tamil Nadu) has successfully completed many consultancy projects:

1. **Steel Walkway to connect Swami Vivekananda Rock and Thiruvalluvar Rock** at Kanyakumari
2. **Shoreline Protection Structures for PWD/WRO/GoTN** at Poothurai, Nagerkoil
3. Development of **Marine Sports Complex** at **Marina, Chennai**
4. World Bank funded **Tawi River Flood Management, Jammu & Kashmir**
5. **CEHS** listed in **Consultant Management System** (CMS), **Asian Development Bank**

The University provides the most needed Ecosystem and Motivation to students:

- The **Directorate of Research and Development** encourages students to participate in national Research Conventions. Some of its notable achievements are:

- Zonal winners, Anveshan, 2016 – Medicine & Agriculture
- National winner, Anveshan, 2017 – Agriculture
- National winner, Anveshan, 2018 - Engineering

The University offers 'Best Scientist Award' and cash award, based on a composite scoring scale inclusive of patents.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development during the last five years.

Response: 344

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

2019-20	2018-19	2017-18	2016-17	2015-16
108	90	25	45	76

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

Response: 123

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

2019-20	2018-19	2017-18	2016-17	2015-16
22	48	28	16	9

File Description	Document
Institutional data in prescribed format	[View Document](#)
e- copies of award letters	[View Document](#)

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	[View Document](#)
Any additional information	[View Document](#)

3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1.Commendation and monetary incentive at a University function 2.Commendation and medal at a University function 3. Certificate of honor 4.Announcement in the Newsletter / website

Response: A.. All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
e- copies of the letters of awards	[View Document](#)
Any additional information	[View Document](#)

3.4.3 Number of Patents published / awarded during the last five years.

Response: 23

3.4.3.1 **Total number of Patents published / awarded year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
15	2	4	2	0

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

Response: 2.77

3.4.4.1 **How many Ph.D's are awarded within last five years.**

Response: 2610

3.4.4.2 **Number of teachers recognized as guides during the last five years**

Response: 943

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
URL to the research page on HEI web site	[View Document](#)

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 5.11

3.4.5.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
2283	2598	1776	1891	1994

File Description	Document
Institutional data in prescribed format	[View Document](#)

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

Response: 2.21

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

2019-20	2018-19	2017-18	2016-17	2015-16
1500	1015	522	832	698

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.4.7 E-content is developed by teachers :

1. **For e-PG-Pathshala**
2. **For CEC (Under Graduate)**
3. **For SWAYAM**
4. **For other MOOCs platform**
5. **For NPTEL/NMEICT/any other Government Initiatives**
6. **For Institutional LMS**

Response: C. Any 3 of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Give links or upload document of e-content developed	[View Document](#)
Any additional information	[View Document](#)

3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response: 4.86

File Description	Document
Bibliometrics of the publications during the last five years	[View Document](#)

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 44.5

File Description	Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View Document](#)

3.5 Consultancy

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

Response:

The Directorate of Research and Development governs research in the University as per set of regulations for sponsored research activities and consultancy projects approved by the statutory governing bodies. These regulations have been framed to systematize procedures to facilitate research and development activities as per its vision and mission.

Vision:

- To be the premier research –intensive university
- To serve the societal and national needs

Mission:

- To inculcate a culture of research and innovation on the campus
- To be centre of excellence for research and development

Objectives:

1. To encourage faculty members to undertake projects that serve to advance knowledge, address societal needs, integrate applied knowledge for teaching, generate data for research and stimulate innovation.
2. To affirm polices for sponsored research and consultancies.
3. To address potential conflicts of commitment between primary academic duties of the faculty and consultancy activities.
4. To safeguard the intellectual property of Annamalai University and its Faculty.
5. To inculcate Good Research Practices (GRP) based on scientific integrity and research ethics.

Regulations document gives guideline for the following R&D aspects:

- Relevance of consultancy & sponsored research projects and definitions
- Organizational structure and duties of the Centre for Research and Development
- Terms and conditions for NGO- sponsored projects, International projects for foreign clients and undertaking consultancy projects
- R&D Project formats and Consultancy research proposals
- Project implementation procedures including Project sanction order, Rules for appointment of Project staff, Purchase guidelines, travel guidelines, Conduct rules and leave rules

- Roles and Responsibilities of the Principal investigator
- Maintenance of Stock register, Progress reports, accounts and financial statements
- Norms pertaining to ethical clearance:

1. All projects involving use of data and materials relating to human subject and animals must be approved by the Ethical committee constituted by the University.
2. The Institutional Animal Ethics Committee (IAEC) shall examine proposals involving research on laboratory animals.
3. Project staff engaged in scientific experiments on animals shall act in confirmation with the provisions of acts relevant to Prevention of Cruelty to Animals and breeding of and experiments on animals.
4. In collaborative projects ethical policy of partnering institute is also considered.

1. Norms for Overhead Charges

1. A separate account is maintained for the grants including overhead charges received under sponsored research projects.
2. The amount deducted as overhead charges will be in line with funding agencies
3. In the case of private funded projects and private consultancy, overhead charges deducted will be 30% of the project cost.

1. Budget distribution in Consultancy projects

From the total consultancy amount excluding travel cost and after deducting the service tax, the following distribution shall be made.

For Knowledge-based consultancy

Overhead charges : 45%

Remuneration : 55%

For R&D-based Consultancy

Overhead charges : 30%

Project Cost : 50%

Remuneration : 20%

For Technical Services

Overhead charges : 25%

Project Cost : 50%

Remuneration : 25%

The client shall pay an advance of 50% of the total cost of the project for Knowledge-based Consultancy and 100% for R&D Consultancy.

File Description	Document
Upload soft copy of the Consultancy Policy	[View Document](#)
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	[View Document](#)
Paste URL of the consultancy policy document	[View Document](#)

3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 962.52

3.5.2.1 **Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).**

2019-20	2018-19	2017-18	2016-17	2015-16
208.77	181.48	221.26	212.70	138.31

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

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 last five years.

Response:

Annamalai University fulfills the social needs of the neighborhood community by sensitizing and involving students and teachers to provide, **socio-economic-cultural-citizenry-civic uplift ideas, technical expertise for employability, entrepreneurship** and **community services** in various sectors including agriculture, medical assistance, public health, fisheries, environment, skill education, animal husbandry, rural development and disaster management.

The University serves the local society through its research projects, extension projects and also through

educative assignments that require students' direct engagement in/with society for a specific period.

Extension Works during the Last Five Years:

1.

- The CSD offers skill trainings and NSDC approved certificate programmes to neighborhood school dropouts and rural youth to empower them as Airline Baggage Handler, Airline Customer Executive, Mason General, Housekeeper, Domestic Electrician, Installation and Service Engineer, Emergency Medical Technician, Front Desk Coordinator, General Duty Assistant, Geriatric Aide, Medical Equipment Technician and X-ray Technician.

2. Centre for Rural Development (CRD)

1. The CRD has adopted 55 villages and, through the Micro Enterprise Development Programme financed by NABARD, and it has trained rural population (particularly poor widows and destitute) in mushroom cultivation, tailoring, scientific farming, effective marketing, etc.
2. In association with MHRD and IIT-D, the CRD implements **'Unnat Bharat Abhiyan'** for Agriculture, Health and Environment awareness, skill development, etc., in five villages from Parangipettai Block.

3. Faculty of Engineering and Technology

1. The Department of Electrical Engineering has conducted trainings for Electrical wiring that helped many unemployed youth in getting employment in both India and abroad.
2. For better implementation of societal schemes through e-governance, the Department of Computer Science is involved in various Computer training programmes for State Government Employees of Registrar's offices, Health Departments, and Accounts Departments of Chidambaram and Kattumannarkoil Taluks of Cuddalore District.
3. The Department has organized Skill Development Camps in Government Colleges under RUSA Entrepreneur Hubs scheme on "Security Analyst".

1. Faculty of Marine Sciences

The mangrove forests raised under the aegis of the Faculty of Marine Sciences have saved hundreds of human lives in Parangipettai during the Tsunami and seawater erosions. It also improves the fishery resources and fishing community income, as evident from the research data.

1. Faculty of Agriculture

1. Every year, undergraduate students undergo **Rural Agricultural Work Experience** (RAWE), Rural Horticultural Work Experience (RHWE) and Industrial tie-up in the neighbourhood villages and transfer technologies. Further, bringing Government department officials for interactions with farming and rural communities to get information of schemes of Government and solve problems.
2. The Annamalai Rice + Fish + Poultry farming system empowers nearly 2500 small and marginal farmers in 36 villages and enhance their nutritional status
3. The flood-tolerant rice variety 'SIGAPPI' (CR1009-SUB1) introduced by Annamalai University helps the Tamil Nadu **delta** farmers to combat floods

4. The Department of Horticulture offers certified seeds of Annamalai Brinjal variety at affordable price to the peasants

5. The Animal Husbandry Division organizes training to dairy-farmers, veterinary health camps, and artificial insemination services.

Farmers' Day, Field meetings, Training programmes are conducted and diagnostic services are extended.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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 last five years

Response: 36

3.6.2.1 **Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
5	17	3	4	7

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document

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

Response: 301

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

2019-20	2018-19	2017-18	2016-17	2015-16
90	83	38	53	37

File Description	Document
Reports of the event organized	[View Document](#)
Institutional data in prescribed format	[View Document](#)

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 108.81

3.6.4.1 **Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
18899	31218	28062	27542	15498

File Description	Document
Report of the event	[View Document](#)
Institutional data in prescribed format	[View Document](#)

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 59

3.7.1.1 **Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
101	54	38	49	53

File Description	Document
Institutional data in prescribed format	
Copies of collaboration	

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 last five years.

Response: 63

3.7.2.1 **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 year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
22	8	13	9	11

File Description	Document
Institutional data in prescribed format	
e-copies of the MoUs with institution/ industry	
Any additional information	

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Criterion 4 - 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.

Response:

Annamalai University's impressive infrastructure, comprising a **blissful mix of Indo-British traditional and modern architecture**s and performance-centric and updated research equipment, is the testimony to its conscious efforts in **Infra-cum-Supra-structure reinforcement** to meet the ever-widening academic, research and development, and extension needs.

Infrastructure augmentation takes place with investments from extra-mural funds of Central-State government allocations, and private and alumni contributions. Major sources of funds for infrastructure augmentation are scheme-based like UGC-SAP, DST-FIST, PURSE, RUSA, *etc.* That two departments, Marine Biology and Linguistics, attained the status of CAS in the very first year of inception of the SAP (1963) and have continued to enjoy the same till now, speaks for University's efforts in upgrading its infrastructure.

The infrastructure facilities in Medicine, Dentistry, and Agriculture meet the prescriptions of their governing bodies. The abundance/ampleness of its infrastructure has been attested by the regulatory bodies; as per the recent **AICTE, NBA, PCI,** and **NCTE** accreditations, the infrastructure is more than the prescribed requirements (x=1 times):

Extra Availability against Prescribed Requirements						
SRA	Classrooms	Laboratories	Student Amenities	Computational Facilities	Seminar Halls	Built-up Area
AICTE	1.5x	1.5x	1.5x	1x	23x	
PCI	0.8x	1.85x	1.25	3x		
NCTE	1.5x					1.3x
NCI	1.17x	1.17x		1x	1x	3x

Out of 300+ classrooms **(Three lakh 72,000 Sq. ft),** 118 classrooms are Smart/Wifi/LAN enabled. 48 seminar halls **(64,000 Sq. ft.)** with a cumulative seating capacity of 4300 persons are available. Teaching and research laboratories numbering 300+ **(Four lakh 8,000 Sq. ft.)** add to research ambience. Apart from the Central Library, libraries at faculty and department levels spanning over **49,000 sq.ft.** contribute to the specific subject domains. Administrative and staff room area at department levels (**80,000 sq.ft.**) adequately support teaching-learning**.**

New equipment **worth Rs.1043 lakhs** have been added during 2015-2020, to the existing inventory worth Rs.2360 lakhs. State-of-the-art, Matrix-assisted laser desorption/ionization-MOLDITOF, Wireless sports training and Jump Measuring system, Spectra max I 3x multimode Micro plate reader platform, scan laser western blot detection system, Automated Patch Clamp setup, Haematology Analyzer, RT-PCRs, *etc.* are the notable additions.

A 1400 bedded hospital with all surgical & bio-instrumentation facilities, Boat and Jetty, Farm lands,

Orchards, Poly Houses, Shade-Net House, Apiary, Sericulture Unit, Biopesticide Unit, Botanical gardens, Pot Culture Yards, Mushroom Shed, Glass House and Dairy Unit enable hands-on-experiential learning. Further, Centralized Instrumentation Service Laboratory and Central Animal House (Supervised by Committee for the Purpose of Control and Supervision of Experiments on Animals) facilitate advanced research needs.

A RFID enabled Central Library, a sprawling sports pavilion and games complex, a self-contained press, a 33/110 KVA sub-station, lakes, a children's park, a three-storey CCTV installed Examination-cum-Central Valuation hall with a seating capacity of 1800 pax, 4079 rooms in 19 hostels with an accommodation capacity of 12500 students add to the massive infrastructure of the campus.

Adequate buses and vans provide logistic support. A Student: computer ratio of 7:1 is maintained with 2362 computers. Copy makers- Resograph, Printers and Xerox exist in quantum. The University has an exclusive 24x7 1 GBPS NMEICT (National Knowledge Network) leased line.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

The University has an invigorating atmosphere and adequate facilities to turn students into well rounded personalities. These facilities at the heart of the University, at a stone's throw from the hostels, cater to the diverse needs of the learners:

Facilities for Cultural Activities

An open-air theatre, a well-equipped indoor theatre, and a total number of 24 indoor auditoria in the University (with a total built up area of 8575 sq. mts. and a cumulative seating capacity of 13000+)excellently promote and adequately support big stage programmes. 20 out of 24 of the indoor auditoria (90%) are air conditioned and all of them have provisions of inbuilt audio systems, video projection, and seating arrangements. Auditorium facilities in the University are centralized and they could be utilized by any department to organize cultural programmes/activities.

The Faculty of Fine Arts, founded as College of Music in 1929, adds to the cultural trove of the University. It has a common practice floor with all essential features and facilities. The instrumentation facilities and the guidance by scores of accomplished artistes provide a unique and rare opportunitiy for the students to tone up their cultural skills.

Yoga Centre and Meditation Hall

The yoga and meditation centre is six decade old (Estd.1964), and it has a built-up area of 20,000 sq.ft., accommodating 2 spacious practice halls, 1 meditation hall, and an auditorium with a seating capacity of 150 pax. It has facility for yoga therapy and naturopathy. A library with a vast collection of spiritual books and atmosphere with gardens and greens with pebbled walking path add to the serenity of the centre. On an average, it serves 2500 beneficiaries every day.

Sports and Games Facilities

The University has a vast central sports complex, established in 1972, spanning over an area of 6.5 acres with a user rate of 3000/day that caters to the needs of the students. It is equipped with sophisticated facilities for the conduct of Regional/Zonal/National sports/games meets. These facilities, maintained daily by markers, are used by the university students, teachers, school students and general public. It houses:

- One 400 m Track with 8 lanes (Mud) and separate fields for shot put, hammer, discus and javelin throw, long jump, high jump and triple jump pits.
- 2 Football grounds (natural grass with galleries on both sides)
- 1 Hockey court (made of gravel with galleries on both sides)
- 3 Kabaddi courts (floodlit and galleried)
- 1 indoor and 3 outdoor (clay) floodlit and galleried Volleyball courts (two exclusively for women)
- 3 Basketball courts (one exclusively for women) – 1 indoor Wooden and 2 floodlit cement courts with galleries on both sides
- 4 indoor wooden and 2 outdoor Ball badminton courts
- 2 Kho - Kho courts
- 2 Handball courts (with gallery)
- 1 Cricket playground (with three practice pitches and one cement pitch for net practice)
- 6 Tennis courts (2 mud and 4 synthetic flood-lit courts)
- 1 Throw-ball court
- 1 Soft ball field
- 6 Table Tennis courts
- Pavilion building to host events
- Multi-purpose fitness centres separately for men and women

File Description	Document
Upload any additional information	[View Document](#)
Geotagged pictures	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.3 Availability of general campus facilities and overall ambience

Response:

The Central Administrative Block housing all offices, is strategically located with a total built-up area of 2,57,000 Sq.Ft. to facilitate effective functioning. The famed 'Sastri Hall' is elegant. The tower clock is special, wherein Number 4 is written as, IIII, not as IV.

Hostel Facilities, 20 hostels (13 men, 6 women and an international hostel) with 4079 rooms accommodate Over 12500 students. Facilities- Indoor games (carom, chess, TT), reading hall, TV hall and Wi-Fi, are available in each hostel. 23 messes with modernized kitchen and RO plants provide hygienic food.

Health care facilities- University Hospital, built-up area of 1, 25,000 m2 (94 acres), has 1400 beds and 17 modern A/C operation theatres, working 24/7, takes care of health of students, gratuitous. An OP clinic in the heart of the University offers generic medical service to all. Besides, the University College Hospitals serve as tertiary level hospital to the public of Cuddalore district. At present, one hospital serves as Covid-19 care and treatment centre.

Guest House with 105 rooms (7 A/C suits, 66A/C & 32 non A/C rooms), well-furnished kitchen and three dining halls, caters to guests.

VC Camp Office is special; Ground floor houses artifacts, and reserved for occasional State VVIPs (President, PM, Governors & CMs) and First floor is for VC's comfort.

Security and Surveillance System with Advanced, IP-based 306 CCTV cameras at vantage locations, round-the-clock security personnel surveillance, and two police outposts, ensures safety and security in the campus.

Comforting facilities include- A Staff Recreation Club with a reading hall and other amenities, 5 Canteens and 4 Co-operative stores in different places offering services at 'variable cost' basis, overhead borne by University.

Uninterrupted Power- Two 33/110 KVA substations ensure uninterrupted power supply; Standby generators available in the Faculties of Medicine, Agriculture, and Engineering & Technology.

Campus Banking-Postal Services by 4 banks, Indian Bank, ICICI, Central Bank of India, and Karur Vysya, 7 ATMs of Banks, and two Post Offices available

Differently-abled friendly ramps and rest-rooms in all the academic/administrative blocks available

A Higher Secondary School provides the residents' wards with educational facilities.

Staff Quarters- comprising 535 residences, six blocks of bachelor quarters and residential facilities for NCC officers/ District Sub-Collector, providing charge basis accommodation are available.

 in its Quarters complex.

Air Connectivity by helipad with five landing platforms and a waiting lounge exists.

Surface Connectivity with other parts of Nation/State by rail and road exists. Adjacent to campus, Chidambaram Railway station at walking distance and a bus terminus inside campus exist.

Vast Sylvan Green landscaped campus is speckled with Arches, 20+ Gardens, Open Spaces, Ponds, Children Parks, Experimental Farm Lands, Walking Corridor, Vehicle-Way, Pedestrian Paths, etc.

Shrines- A historical Shiva temple, Saraswathi, Ayyappan, Sakti and mosque amidst, on campus, add divinity. Of course, the Cosmic Dancer, Lord Nataraja's temple is within one kilometer distance from the nearest point and 3 kilometers near from the farthest point of the campus. The University is considered as Temple of Learning.

Bustling Learning Ambient campus- Green, Tranquil, Township and Cheerful, welcomes all.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 21.51

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
658.61	1739.49	608.34	471.41	220.43

File Description	Document
Upload audited utilization statements	[View Document](#)
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

Sir C.P.Ramasamy Aiyar Library, the Central Library of Annamalai University, with its hoary past dating back to 1920s and its housing, in 1959, in the present iconic building designed by internationally reputed architects namely Messers. Prynne, Abbot, and Davis, is the hear and soul of the University. The system in the library is dynamic and progressive accommodating changes even as its traditional riches are kept intact. The library facilities and services are regularly updated to keep pace with the changing needs and emerging

trends.

Integrated Library Management System (ILMS)

The central library has been automated through an ILMS- the NIRMALS from as early as 2005-06. The software was developed by the NICE – Nirmal Institute of Computer Expertise, Tiruchirappalli. The NIRMALS– Network Information Resources Management of Academic Library System – is a complete Library Management Software capable of managing all the functionalities of the library and dissemination of information. It is used to manage stock taking, circulation of their collections and other traditional housekeeping operations. It works on Client/Server windows-based RDBMS software.

The following are some of the salient features:

1. The NIRMALS supports Multi-Users Environment and Multi-Location Web Interface

1. It follows and allows to standards such as MARC 21, ISBD/ISDS, AACR2, ISBN, Language Codes ISO 639:1988, Country Codes ISO 3166, ISO 2709 format for data input.

1. It represents 140 universally recognized languages through Unicode UTF- 8 without giving room for language barriers.

1. It supports all standard search features including user interactive module for Boolean Search

1. Selective Dissemination of Information (SDI) Service, In-built Barcode software and printing various kinds of reports, which covers all the reporting parts of a library administration and management, are available.

RFID Library Management System

At present, the University Library has entirely digitized the library management by adopting RFID (**Radio Frequency Identification**) technology. Cataloguing, issue and return of books are made easier through this modern, need-of-the-hour technology. All faculty and department libraries are linked with the central library and issue and return of books are monitored from one point. Further, scholars can check the availability of books and other resources through the Digital Touch Screen Kiosk system available.

MyLOFT Remote Access

The e resources available in the library can remotely be accessed through **MyLOFT** (**My Library on Finger Tips**) application.

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation	
Nirmals	Fully	3.1.5	2005-06	
RFID	Fully	2cqr	2019-20	

MyLOFT	Fully	-	2019-20	

Digitization Process

Sir. C.P Ramasami Aiyar Library has been digitizing 782 bundles of palm leaf collections, with 1,37,548 individual leaves, and they are to be uploaded in the university website for free access and download by the stakeholders. With the support of Directorate of Public Libraries, Tamil Nadu, the Central Library has initiated the digitization of 5524 rare works available in the library (that were published before 1930) in Tamil and English. The digitized version of rare volumes and palm leaves will be made available for open access in the University Website and in Tamil Nadu Digital Library website.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 76.04

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
20.98	82.87	97.81	152.28	26.28

File Description	Document
Institutional data in prescribed format	<u>View Document</u>
Audited statements of accounts	<u>View Document</u>
Any additional information	<u>View Document</u>

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 14.27

4.2.4.1 **Number of teachers and students using library per day over last one year**

Response: 3383

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<u>View Document</u>
Any additional information	<u>View Document</u>

4.3 IT Infrastructure

4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

Response: 55.52

4.3.1.1 **Number of classrooms and seminar halls with ICT facilities**

Response: 196

File Description	Document
Institutional data in prescribed format	<u>View Document</u>

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

Response:

IT Policy

Annamalai University IT Policy shall govern the utilization of IT gadgets administered by the University centrally, individual departments, staff and students, and by the University administration.

Annamalai University keeps its IT policy current and relevant to ensure effective, secured, responsible, and legal utilization of all its IT tools and resources by all the stakeholders so as to ensure quality education and smart administration.

The objectives of the IT Policy include Addition, Access, Upkeep, Usage, Defense, and Disposal of IT assets -- systems, servers, softwares (bought and in-house developed), networking components, University databases, etc.

The policy governs the following:

- Hardware Purchase
- Software Purchase
- Hardware Installation and Servicing
- Software Installation and Licensing
- Use of Software
- Network (Intranet and Internet) Usage
- Wifi Access
- Information Security
- Website Maintenance
- e-governance

The University has an exclusive 1 GBPS NMEICT (National Knowledge Network) leased line for providing 24x7internet access to the entire campus through OFC LAN.

Highlights of visionary investment during 2015-20 :

IT Security (2015): Unified security management system **Cyberoam**, a next generation firewall, purchased at a cost of Rs.8,53,998 on 16.02.2016. It provides anti-malware, anti-spam protection, and web filtering for ethical management of IT resources.

Server Enhancement (2016): To cater to the growing needs of the students, researchers, and the faculty, University web Servers have been updated with two socket blade servers (4 nos.) at a cost of Rs.10,01,583.82. Also, hot swap storage and desktops (20 nos.)   have been added at a total cost of Rs. 32, 87,428 on 17.11.2016.

Connectivity (2017): A mega project of providing high speed *Wi-fi* facility through optical fiber cable to the university hostels was proposed and implemented for providing round the clock internet facility to cater to the research and academic needs of the students at   a cost of Rs.89, 86,180 on 07.06.2017. Through the facility, the students and the researchers can have access to e-contents after proper registration.

Integrative IT Wing (2017): A Computer Service Wing (CSW), inaugurated in 2017, is functioning as an extended facility for servicing IT peripherals. The wing has a capacity for servicing 150 computers a month.

OFC Splicing Machine (2018): In order to maintain the optical fiber cable network in the campus, a Splicing Machine and an OTDR have been purchased at a cost of Rs.5,58,677 on 27.03.2019.

Hack and Virus Protection (2019): On 06.05.2019, unified security management system providing firewall protection has been updated from Cyberoam to Sophos at a cost of Rs.5,07,400 for effective protection of data from hackers and viruses.

An investment of around Rs.2 crores by the University from its general fund and an equal amount of investment by the departments from extra-mural funds have been made during the period 2015 - 2020.

Expansion Plan

- Complete automation of governance by integrating all in-built discrete, partially automated systems
- Strengthening the net connectivity throughout the campus in anticipation of future needs
- Enhanced IT resources like updated e-resources, improved LMS, etc.
- Raising the Student-Computer ratio by100%

An investment of over Rs. 200 lakh is expected in the next 5 years.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 7.9

File Description	Document
Upload any additional information	View Document

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

Response: A. ?1 GBPS

File Description	Document
Upload any additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.5 Institution has the following Facilities for e-content development

1.Media centre
2.Audio visual centre
3.Lecture Capturing System(LCS)

4.Mixing equipments and softwares for editing

Response: B. 3 of the above

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Links of photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 78.49

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

2019-20	2018-19	2017-18	2016-17	2015-16
1112.78	3442.35	2530.01	3698.39	3394.02

File Description	Document
Upload any additional information	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Audited statements of accounts	[View Document](#)

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.

Response:

Maintenance Policy:

In order to ensure uninterrupted usage, extended longevity of facilities, optimal return for investment and greater satisfaction for stakeholders, Annamalai university has carved a classified policy that includes **Periodic Maintenance, Preventive Maintenance, Breakdown Maintenance, AMC, Impairment,** and **Replacement.**

Maintenance Execution

1. Decentralized maintenance policy upto certain outgo level – "Execute first and Report then"
2. Centralized Maintenance of high outgo - Request with proposal ? Sanction of the proposal and advices ? Calling for e-tenders and GeM portal ? Tender opening and evaluation ? order placement ? Execution ? Account settlement.

- **Utilization Protocol:** Request > Sanction > Log Book/User Record > Watch& Ward Staff for service and comfort > Reporting

Utilization and Maintenance

A Works Division comprising a team of Engineers and technicians functions under Director, Estate Development Authority, and they are looking after the civil, electrical, water supply maintenance, and sanitation

Vehicle Maintenance: Maintenance of vehicles is taken care of at the University Garage-cum-Workshop with in-house facilities or at authorized service shops with due process and sanction.

Furniture Maintenance: The Workshop in the Department of Manufacturing Engineering takes care of the maintenance and refurbishment of furniture in the University.

Libraries

Utilization: The Central and Faculty Libraries are open on all days except public holidays from 8.00 am - 8.00 pm.

The On-Line Public Access Catalogue (OPAC) is augmenting access to the library books.

RFID and ILMS take care of the library activities.

Maintenance: The rare collections, rare books, back volumes of journals, palm leave documents, gold-silver-copper coins, etc., are preserved and maintained scientifically.

Re-binding of damaged books and weeding out of worn-out books are done as per the policy.

Laboratories

Utilization: Students and Scholars are allowed to use instruments after getting prior permission from the HoD and after making necessary entries in the log book. To utilize laboratory chemicals and glassware and other fragile materials, the scholars need to give indent form duly signed by the research supervisor. For utilizing sophisticated equipment (SEM, Flow cytometer, etc.) in Centralized Instrumentation Services Laboratory, downloadable request forms are available in the University website.

Maintenance: Preventive maintenance is done through regular upkeep of instruments in the laboratories by technically qualified persons. Cleaning, calibration and maintenance of instruments are done frequently.

Corrective maintenance is done through servicing of instruments facilitated through **Annual Maintenance Contracts**. For such unforeseen expenditure, budgetary provisions are available. Equipment found beyond repairs are condemned after the approval of technical committee and the Syndicate. Fire safety is implemented in the labs.

Farms: The research and demonstration facilities in Orchard, Experimental Farm and Animal Husbandry units, maintained by farm managers, gardeners and farm workers, are utilized by the students on prior approval.

Computers and Support Facilities: Annamalai Informatics Centre (AIC) does the hardware maintenance. The software unit of AIC, **Campus Network Centre,** maintains connectivity through wired and wireless network -- 250 network power over Ethernet cameras, 180 TB of dedicated storage, seven 32-channel NVRs and one 64-channel NVR.

Animal House: The Central Animal House comes under the purview of Institutional Animal Ethics Committee, formed by Committee for the Purpose of Control and Supervision of Experiments on Animals, Govt. of India. Research scholars carrying out animal experiments have to submit their proposals and maintenance records to IAEC. A separate team of Veterinarians and Technical Assistants maintain it as per the guidelines of CPCSEA.

Museums:

Faculties of Agriculture and Marine Biology have bio-resource museums. Museums are also available in the departments of History, Earth Science and Zoology, Their usage and maintenance are undertaken periodically.

- **The Agriculture Museum** displays 3D printed miniature models which are maintained inside dust proof glass paneled cases. Other natural specimens like seeds, insects, etc., are replaced periodically. Wall hanging panel boards depicting diverse information on agriculture are painted/printed periodically.
- **Insect Museum** in **t**he Department of Entomology houses more than 50,000 insect specimens collected across the country. They are kept closed using dark cloth to prevent fading and fumigated periodically to prevent fungal growth and insect attack.
- **The Museums in CAS in Marine Biology** and **Department of Zoology** have a rare collection of aquatic organisms and animals, and they are properly maintained by keeping inside glass specimen jars and periodical renewal of preservative liquid. The dry specimens are kept free of insect attack.
- The **Museum** in the **Department of History** possesses a rare collection of coins, black and red wares, bricks, Paleolithic tools etc., that are maintained by staff in charge.
- The **Museum** in the Department of **Earth Science** have fossils, rocks and minerals kept inside glass paneled display boxes. They are open to public on all working days and open on holidays on request.

Sports Complex: The fabulous facilities in Sports complex including indoor stadium, outdoor sports fields/games and Pavilion are accessible to students, staff and public. The facilities like indoor stadium and tennis courts with flood light provision can be accessed by public on payment basis. The Sports Track and outdoor facilities are maintained by markers and ground men.

Auditoria, Seminar Halls and Guest House

- **The Auditoria and Seminar Halls** attached to the departments/faculties could be used by any department for academic and co-curricular programmes on prior booking. To avail the facilities of certain large auditoria, prior permission from the Registrar has to be obtained.
- **The University Guest House** is maintained by a dedicated team of personnel under the control of a Special Officer. Utilization of guest rooms/conference halls/dining halls is to be approved by the Registrar on request upon payment of usage fee.
- **Hostels:** The hostels are managed by a mammoth team of 20+ wardens and 40+ deputy wardens, 150+ house wardens, and 310+ supporting staff under the stewardship of the Hostel Convener. A monitoring committee functionins to supervise the quality of food, sanitation etc.

Waste Management and Disposal:

At the University level, an effective biomedical waste disposal procedure is standardized and implemented. A 200 kg/hour capacity incinerator is used to dispose biomedical waste. The Sewage Treatment Plant treats 1.5 lakh of liters of water per day and the treated water is used to grow fodder grass.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

Response: 26.77

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) year wise during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

2019-20	2018-19	2017-18	2016-17	2015-16
5220	5362	5946	6976	7086

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	[View Document]
Upload any additional information	[View Document]
Institutional data in prescribed format	[View Document]
Link for additional information	[View Document]

5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations offered by the Institution during the last five years.

Response: 12.18

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

2019-20	2018-19	2017-18	2016-17	2015-16
6960	4642	1327	111	216

File Description	Document
Institutional data in prescribed format	[View Document]
Link for additional information	[View Document]

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document
Link to Institutional website	View Document

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 26.96

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

2019-20	2018-19	2017-18	2016-17	2015-16
20	43	27	15	10

5.2.1.2 **Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
83	106	81	70	65

File Description	Document
Upload supporting data for the same	[View Document]()
Institutional data in prescribed format	[View Document]()

5.2.2 Average percentage of placement of outgoing students during the last five years

Response: 15.52

5.2.2.1 **Number of outgoing students placed year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
2095	159	1370	111	225

File Description	Document
Self attested list of students placed	[View Document]()
Institutional data in prescribed format	[View Document]()
Link for additional information	[View Document]()

5.2.3 Percentage of student progression to higher education (previous graduating batch).

Response: 25.47

5.2.3.1 **Number of outgoing student progressing to higher education.**

Response: 1214

File Description	Document
Upload supporting data for student/alumni	[View Document]()
Institutional data in prescribed format	[View Document]()

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 last five years.

Response: 40

5.3.1.1 **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) year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
5	14	5	7	9

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

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

Response:

     Annamalai University has always been a training ground for leaders and statesmen. Many great leaders and administrators who have guided/are guiding the destiny of the independent India have been trained on the fertile grounds of Annamalai. The University has a continuing tradition of nurturing leadership qualities clubbed with democratic spirit in the young learners.

     Each class in every department has a class representative and one deputy class representative. Informal feedbacks on teaching-learning processes like teaching, course content, study material, practical sessions are sought through meetings with Class Representatives. The suggestions and grievances expressed in such meetings are suitably addressed for an enriched teaching learning environment at Department level.

     Each department of the University has student committees for organizing literary, cultural and sports events. Such committees are functioning with students as the core members and office bearers in the capacity of General Secretary, Joint Secretary, Sports Secretary, Treasurer, etc. The student members of these bodies are elected through elections. These student committees help the students enhance their leadership and sharpen other personality traits by providing them with ample opportunity to organize and participate in academic/co-curricular/extra-curricular events like Student Seminars, Cultural Fest, Games &

Sports Day Events, Cultural & Literary Competitions, National Festivals, Birth/Death Anniversaries of Eminent Leaders, Field visits, etc. The students are also encouraged to participate in professional academic student associations at the national level. For example, Students of the Faculty of Agriculture occupy State level leadership in **All India Agricultural Student Association** and have organised national and International conferences.

Apart from these extra-constitutional bodies, the constitutional and academic bodies like Board of studies and IQAC offer space for students to represent their views. Participation of students in curriculum planning and implementation is vital for inclusive development as students are the prime stakeholders of education. Hence, in every department, the student representatives are invited as special invitees to present their views about the syllabi in the Board of studies. Their suggestions are taken into account for the enrichment of curriculum. Further, student representatives are also invited to participate IQAC meetings and offered space to present their views that help towards the enhancement of academic and physical infrastructure. The student support systems like **Complaints Committee against Sexual Harassment of Women at Work Place** and **Students Welfare & Grievance Redressal Committee** have student representation.

Various committees involving students are constituted to ensure effective student involvement in the decision making process. Some of them are:

- Management Student Association,
- English Literary Association (ELA)
- Computer Science and Engineering Association (CSEA)
- Computer Society of India (CSI) Annamalainagar Chapter
- The Institution of Engineers India (IEI)
- Student Association of Mechanical Engineering
- Marine Academic Research Consortium (MARC)
- Fisheries Forum
- Zoological Society
- Physics Society
- Agricultural Association

Such student bodies offer ample apprenticeship for the learners in leadership qualities and emerge as leaders and administrators. They also provide the learners with opportunities to interact with each other by developing team spirit and healthy relationship among themselves on the one hand and between them and other stakeholders on the other hand.

File Description	Document
Upload any additional information	[View Document](#)

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 137.8

5.3.3.1 **Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
287	100	91	192	19

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

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.

Response:

In its ninety years of glorious existence, Annamalai University has produced lakhs of graduates who shine in all walks of life. The university has produced them not only as professionals but also as personalities who are interested in the continuing growth of their Alma Mater.

"**The Annamalai University Alumni Association**", registered under the Tamil Nadu Societies Registration Act (**Reg. No. 1/2015**), was instituted in 2015. The governing rules, membership form, news letter, and other information are available in university website. More than 30,000 alumni have become members of the association. In the last four years, a sum of Rs.4,72, 29, 247/- has been contributed by the alumni and a number of activities have been carried out.

The prime objectives of the Association are to:

- Encourage the Alumni to take an active and abiding interest in the progress their Alma Mater and make it a world class University
- Organize and establish scholarship funds to help the needy and deserving students
- Provide platform to promote mutually beneficial interaction between the Alumni and the present students of the University
- Institute prizes, endowments, and awards for outstanding project works, research papers or other professional activities by the students of the University
- Recognize outstanding social and community service by the Alumni
- Acquire, purchase, own, take on lease or hire in the premises of the University or elsewhere in India temporarily or permanently any movable or immovable property for the furtherance of the objects of the Association
- Create and improve infrastructure facilities for general and specific purposes.
- Renovate as well as create additional facilities in the existing building(s)
- Provide funds for the maintenance of machineries and instruments

○ Carry out other lawful functions as are conductive or incidental to the attainment of the above objectives and/or beneficial to the interests of the Institute and its Alumni

Some Sample Contributions by the Alumni during 2015-20:

The **CompScE'94 Hall** worth of Rs.8 Lakh was sponsored by the Alumni 1990 – 1994 B.E. [Computer Science and Engineering] batch.

- ○ Internet of Things (IoT) Lab is the contribution of ALUMNUS AUCSE' 97 batch 1993' – 1997' to the tune of 4 lakh rupees.
- ○ 10 Computer Systems by the 1992-96 batch alumni
- ○ The alumni association in ENT division has donated around Rs. 5 lakhs to the department
- ○ ECE alumni Association (2002 - 06) Batch provides financial support & donated one ONIDA Air Conditioner Unit (1.5Tones) worth Rs. 30,000 /-
- ○ Alumni of the Department of Chemical Engineering have contributed laboratory equipments worth Rs. 7.85 Lakh and 92 books
- ○ Water cooler cum purifiers at Faculty of Agriculture Rs. 3,00,000/- by Agricultural Alumni
- ○ LED floodlights, CCTV cameras and connectivity at Faculty of Agriculture @ Rs. 3,00,000/- by Agricultural Alumni
- ○ Agricultural Alumni contributed Alumni Block at Faculty of Agriculture Rs. 65,00,000/-
- ○ Dr. K.Ganapathy Hall, Dept of Physics Rs.25,00,000/-
- ○ Electrical & Electronics Engineering Hall renovation Rs.10,00,000/-
- ○ Prof. V. Balaiah Hall at Dept. of Chemistry -- Rs.5,00,000/-
- ○ Bore-well and water purifier @ Rs.4,00,000/- in the Dept of Commerce
- ○ Sports gallery at Faculty of Agriculture @ Rs. 5,00,000/-

File Description	Document
Any additional information	View Document
Link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in Lakhs)

Response: A. ? 100 Lakhs

File Description	Document
Any additional information	View Document
Link for any additional information	View Document

Criterion 6 - 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.

Response:

Through its diverse multidisciplinary and "trendy-traditional" programmes of study, research enterprises, and extension activities that are in tandem with the National Education Policy, Annamalai University has transformed its entire locale into a vibrant hub of knowledge-generation and skill-orientation, along with instilling "courage" and "faith" in the stakeholders.

The University has carved a vision statement that lends progressive direction in its path of excellence:

Vision: Providing educational opportunities to aspiring students that help them imbibe the essential concepts along with emergent developments in the chosen fields of study, instilling in them the mindset and motivation for cultural and social uplift, and contributing to the national paradigm of collective responsibility in the path towards growth and prosperity

In order to ensure the effective realization of its vision, the University evolved its missions and the missions are entwined to its academic as well as administrative endeavours.

Mission Statements

- To reach the unreached learners with high quality mentoring and affordable higher education so as to transform them into successful professionals
- To mould the thought-pattern and effect multi-skilling of the learners in tune with the contemporary developments
- To stick to the governance culture in such a way that the leadership and stakeholders of the institution accelerate performance and espouse to probity

The vision/mission perspectives are reflected in spirit and practice in the academic and administrative governances of the University. The various academic bodies of the University have been empowered to make learning participative, all-inclusive, innovative, collaborative, and multi-skilled:

- **Directorate of International Relations** enhances global demographic diversity of learners, paving way for exogenous influence on endogenous cultural richness
- **Centre for International and National collaborations for Academic and Research** trains young minds for nation's growth and prosperity through innovations and collaborations
- **Directorates of Academic Affairs and Research** ensure multi-skill components in the academic and research paradigms
- **Boards of Studies** are broad-based with representations from external/internal stakeholders-Industrial Experts, Students, Alumni, etc., to keep both the curricula and syllabi relevant and contemporary

- **Institutional provisions for 'reaching the unreached' through financial assistance**: University Research Scholarship, Stipends, and endowment scholarships for learners who are not benefitted by other scholarships and stipends
- **Internal Quality Assurance Cell** to ensure quality assurance, performance-acceleration, and probity-espousal at all levels
- Synchronization of the University's vision and mission with the mandate of Statutory Regulatory Authorities' makes the academic and administrative governance yield resonance and it contributes to the institutional accomplishment and national development through collective responsibility and leadership

The **Long-term** visionary document of the University, "**Vision 2030,**" drafted with 57 focused Key Drivers and well-defined Key Performance Indicators (KPIs) for each, is drawn as a reference guide by the stakeholders to self-assess and assess the developments/status of the University.

Mid-term/Near-term goals with time-frame, funding, efforts, and target are in place to ensure outcome-based accomplishment of "**Vision 2030.**"

The Quality Assurance activities of the University are focused to:

- Enhance teaching-learning experience efficient, cost-effective, and holistic
- Create a supportive, harmonious, and participative campus environment
- Account for the quality through participation in the quality assurance activities

File Description	Document
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

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

Response:

The academic and administrative practices of the University are professional, pro-active, decentralized and participative. They centre round the institutional growth by ensuring the overall participation of its stakeholders.

a. Institutional Practices reflecting Effective Leadership:

- Programmed action plans for keeping up with targets and milestones
- Delegation of authority for building second-line leadership legacy
- Decentralized decision making
- Participative Management with transparency and accountability

b. Time-tested Mechanisms are in place to draft action plans and ensure that they are complied with:

Curricular Plan, Academic Calendar, Administrative Calendar, Maintenance and Up-keep schedules, etc.

c. Delegation of Authority: To maintain for hassle-free, and transparent administration, Heads of academic/administrative divisions, Directors, and Coordinators delegate authority with colleagues, thus paving way for task execution in time and knowledge gain by the junior colleagues. It also helps the institution to build a team of second-line managers.

d. Decentralized Decision Making:

To render the functioning smooth, speedy, and efficient, the following provisions are in place:

- Heads or persons-in-charge are authorized to decide on issues that may emerge in areas like undertaking Projects, Consultancy and IPR, Pedagogical innovations, proposing novel curricula, etc.

- As to the maintenance of facilities – labs, classes, hostels, guest houses, etc., a default carry-out authority -- 'what is needed, when and how, and what quality controls'-- is in practice

Other measures include:

i. *Directorate of Academic Research (DARE)* executes all the activities related to research programs, from admission to the award of Degree

ii. *Directorate of Research and Development (DRD)* addresses all the research and consultancy projects, testing, etc., under one umbrella to ensure smooth operational processes

iii. *Cells, Centres, and Committees* of sorts constituted to enact and speed up the process of completing goal-oriented academic/administrative works as part of decentralization:

- Internal Quality Assurance Cell
- Centre for International Relations
- Centre for Intellectual Property Rights
- Centre for Skill Development
- Directorate of Training, Placement & Entrepreneurship
- Equal opportunity Cell & SC/ST Cell
- Committee for Curbing the Menace of Ragging
- Compliance Committee against Sexual Harassment of Women at Work

e. Participative Management

The participative management approach has expediently been built to spread learning, relationship and resurgence for collective and constructive growth. The following institutional practices are in place:

- Vice-Chancellor's address to the faculty and staff at frequent intervals to make them informed of developments
- Periodical Deans/Heads Meetings chaired by the Vice-Chancellor for collective decision making
- Follow up of Deans/Heads Meetings by department meetings
- Representation in select bodies by all career-levels of faculty and stakeholders

- Departments and Centres have periodical meetings
- Participative management adopted to manage administrative/academic tasks

f. Statutory Bodies

The functioning of statutory institutional bodies, listed below, ensures and improves participative management:

The Syndicate; Finance Committee; Academic Council; Deans' Committee; Boards of Studies; IQAC; Academic Audit Committee; Disciplinary Committee; Steering Committee; Building Committee; Tender/Bid Opening Committee; Purchase Committees; Committees for Hostel, canteen. Garden, Library, Admission, Research; CAS Scrutinizing Committee; NAAC-SSR; Documentation Committees for ranking frameworks; Committees for UGC (SAP-DSA–CAS), FIST, PURSE, and RUSA monitoring; etc.

File Description	Document
Any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

A number of initiatives has been implemented during 2015-20 with a single objective to serve the student community and to transform them into responsible, social-conscious, patriotic, and performing citizens. The latest addition to this inventory of initiatives is **Vision 2030,** a long-term visionary document.

Strategic Plan

The vision-centric document, **Vision 2030**, explicates the **institutional strategic plans** of the University.

The prime Key Driver in 'Vision 2030' is the 'Teaching, Learning & Evaluation (TLE)' process, with 26 Key Performance Indicators (KPIs) with clear-cut targets and fixed time frame.

- **KPIs** 1 to 7, 10-15, and 18-20 address the designing of curricula and syllabi with a pragmatic approach emphasizing the fundamental cores, the space for analytical skills, the liberty for lateral thinking, the complex problem solving abilities and the like

- **KPI 21-24** aim to adopt Outcome based Education to bring in accountability in the TLE System and test the level of cognizance of the students as per Bloom's Taxonomy.

Successful Implementation of TLE Plan

As outlined in the **Vision 2030** document, the following TLE aspects have already been successfully

implemented well ahead of the set timeline:

The IQAC has organized a series of faculty-wise programs: Special Lectures on Bloom's Taxonomy; Special Lectures on Outcome Based Education; Workshops on Outcome Based Education; and Orientations on the Process of POs-PSOs-COs Attainment.

Apart from adopting POs-PSOs-COs attainment methods suggested by NBA for Engineering programs, the University has also developed a variant holistic methodology to measure POs-PSOs-COs attainment and implemented the same in all the faculties of study. The following are a few highlights of outcome achievements:

KPI in Vision 2030	Target Set for 2020	Level of Achievement	Remarks
KPI-3: Constant updating of the syllabi by BoS constituted with members from Academia, Industry, Alumni and Students along with faculty members	75%	100%	Incorporated by BoS in all programs
KPI-4: Revisit and recalibration of the PSOs and COs frequently	50%	100%	Within a year of introduction recalibrated once.
KPI-5: Modifications in curriculum to imbibe graduate attributes	20%	95%	Annually 4000+ employability, skill development and Entrepreneurship course themes dealt.
KPI-6: Periodical introduction of Value Added Courses	35	79	Number of VACs increased from 20 to 79 (225%).
KPI-7:Introduction of Interdepartmental Electives to enable students to pick them cutting across disciplines to acquire holistic knowledge	30%	85%	Open/Inter department electives introduced in all programs except Faculties of Medicine and Dentistry.
KPI-13: Revamping the curricula to meet global demands	30%	60%	OBE synchronizes with UNO's SDGs
KPI-14: Exploring tie-ups with global institutions of repute for students exchange programs	Two Tie-ups	100%	Both under implementation
KPI-15: Developing ICT enabled smart/virtual class rooms.	10 class-rooms	30	Developed 30 smart class rooms (300%)
KPI-23: Compliance with OBE in terms of Question Paper Setting and Valuation- OBE	40%	85%	Question papers of all faculties except Medicine and Dentistry are OBE and Bloom's Taxonomy-based
KPI-24: Exams to evaluate the cognition levels of Bloom's Taxonomy	40%	85%	

Keeping in line with the Vision 2030 document, the University is marching towards excellence in each domain.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

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.

Response:

The University was established as per Annamalai University Act 1928 (TN Act 1 of 1929). At present, the Annamalai University Act 2013 provides for a revamped administrative structure, statutory authorities and administrative positions, to ensure transparent, accountable, and expedient administration.

Statutory Officers

The **Chancellor**, the Governor of Tamil Nadu, is the head of the University providing expedient guidance to the University.

The State Minister for Higher Education, the **Pro-Chancellor** of the University provides wise counsel.

The **Vice-Chancellor,** the managerial head, ensures holistic planning, expedient policies, coordinated execution, periodic reviews and forward-push initiatives with guidance from the **Chancellor** and the **Pro-Chancellor** and with the missionary support of the Registrar, Deans, the Finance Officer, the Controller of Examinations, faculty members and administrative staff.

Institutional Bodies

The institutional bodies such as the Syndicate, the Academic Council, etc., ensure massive strength of students and astounding variety of programs. The Syndicate met 19 times and the Academic Council met 8 times during the assessment period to review the academic/administrative governance and ensure probity.

The dynamic policies and procedures governing the unitary University with multi-disciplinary focus (depicting unity-in-diversity) effectively direct and execute academic, research and extension programs of the University in compliance with the State/Central Government regulations and those of the funding/regulatory bodies, viz., UGC, AICTE, MCI, DCI, PCI, NCTE, etc.

Statutory Bodies

The effective governance and pragmatic functioning of the University get vastly shaped by the Syndicate, Academic Council, Finance Committee, Deans' Committee, Board of Studies, Faculties of Studies, etc.

The **Syndicate** meets at least every two months to ensure the efficient functioning of the university, with a wide range of powers, such as: making/amending statutes/ordinances, offering programs of studies/ R&D

activities, instituting faculty positions, conferring degrees/titles, and host of other functions covering whole gamut of functioning of the University.

The **Academic Council** meets twice a year to address issues related to student admission, courses of study, establishing new departments, advising on collaborations, examination/evaluation process and so on.

Biannual meetings of the **Finance Committee** review financial transactions, resource generation and allocation, and ensure financial prudence, accounting and auditing.

The **Deans' Committee** meets quite often to help the Vice Chancellor in adding vigour and vision to expediently solve issues and in chalking our new facets of growth and glow.

Faculties and **Boards** of **Studies** do the ground work for pragmatic execution of decisions of the higher bodies in all academic matters, such as Curricular Aspects, Teacher Excellences, Student Support, etc.

The Ordinances and the Regulations

The Ordinances govern the following:

- Part I: Admission of Students.
- Part II: Procedures and guidelines regarding examinations.
- Parts III – V: Admission of Research scholars.
- Parts IX and X: Functions and responsibilities of university officers

The Regulations govern the following:

Parts I to VII: Service Conditions of Teaching and Non-teaching staff

Parts IX to XIII: Code of Conduct and Professional Ethics

Keeping the welfare of the students in mind, the University readily adapts to changes/challenges within the boundaries laid in the Policies, Organizational Structure and Rules & Regulations.

File Description	Document
Any additional information	[View Document](#)
Link to Organogram of the University webpage	[View Document](#)

6.2.3 Institution Implements e-governance covering following areas of operation

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	[View Document](#)
Any additional information	[View Document](#)

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 .

Response:

The following institutional measures are adopted to evaluate and encourage the performance of the Teaching and Non-teaching Staff:

Teaching Staff Performance Appraisal System

- **360 Degree Academic Audit**-- Performance Appraisal of Faculty Members for 360 points, based on NAAC seven criteria

- **1000 points Academic Audit of Departments**- --Annual Performance Appraisal of individual Departments for 1000 points, based on NAAC seven criteria

- **Career Advancement Schemes** --Performance Appraisal as per the UGC and the State Government Guidelines

- **Student Feedback** --Specific Questionnaire-based

- **Teaching Staff Professional Development Activities:** Goaded to attend Refresher/Orientation/Short-term Programmes, conferences/seminars in order to update and equip themselves

- **Conduct of Faculty Development Programmes by the University -** During the assessment period 2015-20, the university has organized 107 Faculty Development Programmes

Teaching Staff Promotional Avenues

1. **Career Advancement Schemes**: During 2018-19, boards for career advancement were successfully implemented following the rules and regulations prescribed by the UGC and the AICTE

1. **Vacancy Posting** -as and when vacancy arises

1. **New Department Creation**- based on necessities

1. **Additional Administrative Responsibilities**: Faculty members are given additional administrative positions as Directors, Deputy Directors, Coordinators, Wardens, Deputy Wardens, etc.

Administrative Staff Promotional Avenues

1. The Non-teaching staff are given with due promotions (Time-bound) as per state government norms.
2. Interested non-teaching staff are permitted and encouraged to pursue studies of their choice
3. Vacancy Posting is filled as and when vacancy arises

A lot of Measures have been adopted for the welfare of Teaching and Non-teaching staff:

- For both Teaching and Non-teaching staff, the revised pay scale as per VII Pay Commission has been implemented
- Fee-concession to the tune of 69.9 lakhs has been sanctioned to the wards of teaching as well as nonteaching staff during 2015-20
- A separate Health Centre for its Staff and their wards is functioning inside the University
- Free treatment to all University employees and their wards at RMMCH
- Provision of Tamil Nadu Government Health Insurance Scheme to all the staff
- A number of 535 family residential quarters and 62 bachelors' quarters with uninterrupted power supply and water facility
- The Guest House rooms and three community halls in the university available for use by the employees on nominal charges
- Canteen facilities available at every faculty
- Reading Room and Staff Recreation Club for the staff to leisure out
- Yoga Centre and Meditation Halls in the premises for mental health and well being of the staff
- Health Park with walking pavilion in a sylvan atmosphere for health and fitness
- University-run co-operative stores functioning at strategic points in the campus
- A co-operative thrift society functioning for the welfare of the staff
- Banks (4 nos.) & 24/7 ATMs (11 nos.) within the campus
- Opportunities to employees to continue higher studies and sanction of leave for higher studies as per norms
- Employees and their wards permitted to use sports infrastructure facilities and coaching in Sports and Games
- Interest-free festival advance offered to the employees which can be repaid in easy installments
- Farm-fresh milk, vegetables and fruits available for the staff from the dairy and the orchard units of the University

File Description	Document
Any additional information	View Document

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

Response: 0.83

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

2019-20	2018-19	2017-18	2016-17	2015-16
23	25	2	14	13

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	[View Document](#)

Other Upload Files	
1	[View Document](#)

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

Response: 19.4

6.3.3.1 **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
15	40	13	18	11

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	[View Document](#)
Any additional information	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 16.1

6.3.4.1 **Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
180	745	309	77	144

File Description	Document
IQAC report summary	[View Document](#)
Details of teachers attending professional development Programmes during the last five years (Data Template)	[View Document](#)
Any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

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

Response:

The internal revenue sources of the University are application fee, tuition fee, hostel accommodation fee, examination fee, and quarters/facilities rent while the external sources are Block and Special grants from the state and central governments.

Strategies for Mobilization of Funds:

- An exclusive Directorate of Research and Development [DRD] is functioning to tap the funding opportunities for research and infrastructure developments. (**Rs. 8935 lakhs obtained during 2015-20 owing to the efforts of DRD**)
- A separate research policy paves way for motivation of teaching staff to generate funds through extramural funding from government and non-government sources. Set norms are in place for percentage-share of overhead charges: for government projects as prescribed by the funding agencies *per se* and for non-government projects 30%. (**Around Rs. 800 Lakhs garnered as overhead charges out of Rs. 5892 lakh worth government projects; around Rs.300 lakhs generated through Rs.1044 lakh worth non-government projects**)
- For consultancy projects, overhead charge ranging from 25% to 45% is prescribed.
- Efforts are also made to mobilize resources through Corporate Social Responsibility scheme. (**The Neyveli Lignite Corporation has contributed Rs. 587 lakh worth of assistance for infrastructure augmentation**)
- A Vibrant Alumni-Alma mater bond has helped the University generate a sum of Rs. 350 lakhs and create infrastructure worth Rs.120 lakhs during 2015-20.
- As a regular income-generation plan to support economic sustenance and to up keep the quality of

infra/academic services, the university has wholly/partially converted certain programmes as self-sustaining. (**All programmes in Faculty of Medicine and Faculty of Dentistry are offered in self-support mode. In Faculty of Agriculture 55 % of seats in B.Sc. (Honours) Agriculture converted into self-support mode.**)

- During the period of 2015-2020, a sum to the tune of Rs. 35 Lakhs has been generated from philanthropic individuals as endowment funds to encourage students and staff in academic activities.

Strategies for Optimal Utilization of Resources

Periodical planning is done and executed for effective and optimal utilization of the resources as described below:

- Creation of awareness for energy consumption and strict implementation of austerity measures have resulted in drastic reduction of energy consumption and expenditure. **Around 16% reduction in electricity charges has been achieved over a period of six years (from 2013 to 2019).**
- To bring down the capital and maintenance expenditure on vehicles, they were withdrawn and instead vehicle allowance is provided to the university officials. For their optimal utilization, they were centrally pooled.
- To reduce the cost of purchase and optimal utilization, the indent for stationery and consumables are pooled up for purchase through Central Purchase Pool.
- Annual Maintenance Charges for old equipment and goods are restricted; outsourcing of services is allowed only after scrutiny and certification by skill development centre. These practices have resulted in avoidance of unwarranted expenditure.
- All purchases in the University have been mandatorily routed through GeM portal for reduced expenditure.
- E-governance initiatives have resulted in reduced expenditure on travel and stationery.
- By adopting frugality measures in the conduct of all events in the University, considerable reduction on hospitality expenditure has been achieved.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response: 750

6.4.2.1 *Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).*

2019-20	2018-19	2017-18	2016-17	2015-16
0	750	0	0	0

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	[View Document](#)
Any additional information	[View Document](#)

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 23.28

6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	10.05	8.23	5.0

File Description	Document
Institutional data in prescribed format	[View Document](#)

6.4.4 Institution conducts internal and external financial audits regularly

Response:

Dealing with an annual budget of Rs.90512 lakhs, the university realizes that financial audit is of paramount importance for its effective functioning and financial sustenance. Hence, it endeavours to bring in transparency and accountability in all its financial transactions through annual internal/external statutory audits. Sincere efforts are taken to address/resolve the audit objections raised.

Internal Audit

- **Preliminary Audit** by the Audit Authorities of the University is done for all outgoes involving scrutiny of the bills and vouchers as basic compliance checks procedures.
- **Local Fund Audit** by Finance Section officials appointed by the State Government involves scrutiny and approval of bills, followed by sanction for payment.
- **Pre-audit** before the incurrence of certain expenses is done especially when new pay scales adopted for computing the arrears, pension settlements, etc.

- **Public Financial Management System (PFMS):** PFMS is effectively functioning to manage and oversee the financial practices pertaining to funds received from the government. The major policy/administrative decisions which involve monetary transactions are scrutinized by the **Finance Committee** before sending them to be placed in the Syndicate.

External Audit

- Primary Statutory Auditing Body of the Government [Local Fund Audit, Government of Tamil Nadu] does **external audit** of Annual Accounts for Block Grant, Salary Grant, and Special Grants received from the Government of Tamil Nadu and the project grants sanctioned by the State and Central Governments.
- The Accountant General (AG), Government of India, does the **Affirmative audit,** an external audit, on the expenditures incurred on all Government funds/grants as a periodical auditing procedure. It covers the funds sponsored by UGC/ DST/ ICMR/ ICAR/ PCI/ ICSSR/ MHRD/ RUSA etc. The AG Audit Report is submitted to the Central Government.
- For private funded projects and certain institutional funds, the **primary external auditing** is done by empanelled Auditors suggested by the funding agencies or the university.
- The University has a appointed professional auditor who makes regular checks and balances and submits the returns to the IT Department. **Audit certification** of the audited statements of accounts for Government and private funding by the auditor is compulsory.

Audit Objections

The University takes every step to address in a proper way and resolve audit objections. The audit objections arise generally due to the following reasons: Non-settling of Accounts in time, contraventions such as lack of proper sanction, mix-up of heads of accounts, non-levying interest on delayed remittances, procedural lapses of non-obtaining prior approval for reallocation, etc. Annual joint sitting with statutory auditing bodies are arranged to set right the objections. Special sitting with appropriate level of AG auditors supported by a special wing is undertaken to address the settling of issues related to audit objections.

List of audits conducted during the assessment period 2015-20:

2015-16	2016-17	2017-18	2018-19	2019-20
1	1	1	1	1

The counts of audit objections raised and duly settled during the assessment period are tabled below:

Category	2015-16	2016-17	2017-18	2018-19	2019-20
No. of Objections Raised	145	184	168	149	74
No. of Objections Settled	46	35	3	0	19

File Description	Document
Any additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Response:

The **IQAC** of Annamalai University, constituted as per the UGC norms, has been made robust and active by nominating department level nodal officers and faculty level coordinators along with five Deputy Directors. The following initiatives of the IQAC have been institutionalized:

i) A comparative analysis of Annamalai University's curriculum with the UNO's Sustainable Development Goals [SDG] to ascertain its global standard.

ii) Contemporary path-breaking concepts brought in to embrace innovative temper through two series of programmes viz., (a) Annamalai University Manifests the Noble Erudite Thoughts [AUM to NET] and (b) Annamalai University Manifests the Prized Erudite Thoughts [AUM to PET].

iii) To enhance conscious introspection and continuous quality-upgrading in academics and administration and also to improve public perception of the university, the IQAC endeavours to participate in every possible ranking frame works and SRA recognition:

National Institutional Ranking Framework [NIRF]

Atal Ranking of Institutions on Innovation Achievements [ARIIA]

The Times Higher Education World University Ranking

QS World University Ranking

CWTS Leiden Ranking

SCImago Institutional Ranking

ICAR, NBA, MCI, DCI, NCI, PCI, NCTE, and AICTE

iv) A feasible methodology has been developed to measure POs--COs attainment by graduates to fine-tune the newly introduced OBE curricula.

v) Face-less periodical data collection from teachers and students on quality aspects using G-suite and Google forms.

vi) Annual scientific analysis of stakeholders' feedback and placing it before the Syndicate to initiate quality measures.

vii) Periodical updates on research metrics of the University, Incentives for research achievements of teachers, mandatory Scopus and Web of Science indexed publications for scholars

To instill other academic standards, the following programmes are organized:

- National Seminar on Best Practices of TOP NAAC Accredited Institutions
- Workshop on e - governance and Social Responsibilities of the Institution
- Workshop on Managing Environmental Sustainability in Higher Learning Institutions
- IQAC enabled sensitizing-stimulating-synergizing rendezvous on NACC A & A Process

Practice I: Curriculum Development, Teaching-Learning and Evaluation

To imbibe the concept of OBE, the IQAC has organized a series of workshops/meetings:

- Special Lectures on 'Outcome Based Education' and 'Bloom's Taxonomy'
- Workshop on 'Curriculum Development', 'Importance of POs, PSOs and COs Attainment', 'Student Centric Methods', 'OBE and Process of POs and COs Attainments', 'Role of Teachers in Student Support System', 'Enhancing skills for Effective Teaching- Learning', 'Artificial Intelligence in teaching-learning process' and 'Utilization of e-Learning Resources'.
- Short Term Course on Prospects of Techno Pedagogy in Teaching

- The IQAC has developed a common methodology for assessment of outcome-attainment by students in all programmes. A Custom-made excel template is developed to ease the process of attainment calculations and imparted training to all the department and faculty coordinators.

Practice II: Stakeholders' Feedback Analysis

- Feedback from students, teachers, alumni, parents and employers obtained annually on curriculum and general aspects through online forms
- The collected data are scientifically analysed to derive meaningful conclusions. The survey reports placed before the Syndicate to initiate quality measures. (Both the survey and the ATRs available in the University website)
- As an Outcome, Value Added Courses increased to 79 in 2019-20 from 20 courses in 2018-19

File Description	Document
Any additional information	[View Document](#)

6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).

Response: A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	[View Document](#)
Upload details of Quality assurance initiatives of the institution (Data Template)	[View Document](#)
Paste web link of Annual reports of University	[View Document](#)

6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Response:

The post-accreditation quality initiatives comprise not only accomplishing the recommendations of the previous (3rd cycle) NAAC Peer Team Report in their true spirit, but also achieving greater heights as envisioned in the long-term vision document prepared by the University, **Vision 2030**.

Academic Accomplishments:

- A massive pan-university exercise of curriculum revamp with the ideals of Learning Outcome Based Education (LOBE) marks the phase 2015-20.

1. Enhanced course structure with concrete Program Objectives (POs), Program Specific Objectives (PSOs), Course Objectives, Course Outcomes (COs) and a matrix of PO — CO mapping
2. Evolution of a custom-made assessment formula for assessing the outcome-attainment using the Principles of Bloom's Taxonomy
3. Setting of Question Papers (both for internal tests and semester examinations)n accordance with the educational concepts Bloom's Taxonomy

- A thorough revision as well as update of the syllabi with current and cross-disciplinary courses has enabled the learners equip them with knowledge along with competency.

1. The syllabi of most programmes underwent revision -- from at least one time to a maximum of three times --- during 2015-20;
2. Strategic provision for accommodating contemporary developments as a **dynamic component**, named as **Current Stream of Thoughts**, in each course
3. 42 innovative, Inter-disciplinary Programs, 600+ Interdisciplinary Courses, 250+ Interdepartmental Electives, 79 VACs to scale up learners' competency to confront the challenges and exploit the opportunities in **Education-4.0** and **Industry 4.0** scenario
4. Introduction of MOOCs in the Curricular Framework

- Improved and learner-centric teaching has been addressed by converting the campus more electronic-friendly with the help of ICT.

1. Anytime from anywhere **Remote-Access Facility** to e-resources of the University libraries
2. 350 **in-house-developed e-learning resources** available as open-source material in the University Website
3. Establishment of an state of the art educational **Multi-Media Centre**
4. A multi-faculty research facility, **Centre for Sophisticated Instruments and Inter-disciplinary Research** [CSIIR] at an outlay of Rs.800lakhs in the offing

Administrative Acceleration: With the view to promote research, both in terms of quality and quantity, significant decentralization in the administrative set up has been effected.

1. A separate of **IPR Directorate** established to coordinate patent processing
2. Established **Annamalai Innovation and Incubation Research Foundation** supported by **Entrepreneurship Development and Innovation Institute** (AIIRF-EDII), Government of Tamil Nadu
3. Annual awards and incentives to faculties who achieve distinction in research. Separate awards for women and young researchers
4. An exclusive cell, **Directorate of Academic Research,** to expedite academic research
5. IQAC-enabled **Workshops** and **Faculty Development Programmes** as part of motivating the faculty to embrace innovation in teaching and enhance involvement in research (**Nine members of our faculty among the World's top 2% scientists** compiled by Stanford University, CA, USA.)
6. Augmentation of research facilities with the induction of equipment worth Rs.1043lakhs.

- **Prudential Measures** to keep the bulging expenditure under check and ensure increase of income:

1. Rationalized Deployment of teaching and non-teaching staff in a methodical manner: Teaching -- 1206 and Non-teaching staff – 2805.
2. Partial/full self-support mode adopted in Faculties of Medicine, Dentistry, and Agriculture
3. Establishment of new departments of studies to capitalize the demands
4. Impetus to green energy generation by establishing solar roof top panels to reduce electricity bill

File Description	Document
Any additional information	[View Document](#)

Criterion 7 - 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 last five years.

Response:

Education is meaningful when empowerment of everyone, particularly, the vulnerable, is assured and it becomes beautiful when it instils the sense of equity in the learners. Effective measures are in place in the University to promote gender equity. Gender related programs are conducted regularly to create awareness about legal and constitutional provisions for women,

Curricular Aspects for Gender Equity & Sensitization

·   As many as 50 courses on gender issues are offered spread over twelve programs

·   Research works on topics focusing on women are done in the Arts, Language, Education Agriculture and other faculties.

·   Yoga for Women is given special focus

·   Fine Arts Programs attract woman students more

Co-Curricular Activities for Gender Equity & Sensitization

·   During 2015-2020, over 30 Seminars and Workshops on gender sensitization have been organized

·   Opportunities for women as administrators, such as Deans, HoDs, Directors, Deputy Directors

·   Faculty-wise best Researcher Awards separately for Woman Faculty in vogue.

·   One-third representation reserved for female cadets in the NCC unit in Faculty of Agriculture

·   Girl students encouraged to take part in educational tours, NSS camps, etc., in good number.

Facilities for Women

·   **To ensure Equal space for women** to showcase their talents on stages in cultural events/competitions, separate sports/games events organised for woman students. Of course mixed gender events are also held as needed

·   **Exclusive facilities for women** to practice for **sports and games exist.**

·   An **elite state of the art Gymnasium for Women** is available

·   **Women's Club** is functioning to address women's recreational needs and their thirst for social

service

· Waiting Halls/**Common Rooms** for women in every Faculty exist

Safety and Security

· The Internal **Compliance Committee** against Sexual Harassment at Workplace has been constituted as per the Supreme Court guidelines.

· The University Policy of prohibiting sexual harassment displayed on the Website

· Women's hostels secured by high boundary walls and surmounted by barbed wires

· **24/7 surveillance with CCTV** cameras installed at important points

· Each women hostel is under the direct control of a deputy warden who in turn is assisted by a number of house wardens, block supervisors and other staff in charge

· **House wardens work round the clock to** ensure the safety of the inmates

· **Restricted entry** into the women's hostels is mandated

· **Patrolling by security guards** in the University campus and wearing of ID cards made compulsory

· **24/7 Medical facility** and periodical health camps and programs for women

· **WhatsApp groups** of wards managed by the respective Deputy wardens

· **Anti-ragging squads** involving the teaching staff monitor the students in the hostels, especially during the first three months of new admission

Gender-specific Counselling Programmes

· A separate **students counselling centre** is functioning in the University under the Department of Psychology to address the psychological depression and stress related issues

· **Mentor–Mentee system** addresses stress, personal problems, homesickness and veer of academic worries

· A special **women grievance cell** in place to deal with women related problems

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)
Annual gender sensitization action plan	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	[View Document](#)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

The University follows the environmental policy, "Refuse, Reduce, Reuse & Recycle" and it is reflected in its waste management practices.

Solid Waste Management

- Use of non-recyclable plastics has been completely banned in the campus
- Refusing as well as reducing the use of paper has been implemented by switching to paperless, ectronic modes of communication
- Reusing of one-side-printed paper is adopted for internal purposes
- Examination answer scripts, kept for a statutory period after evaluation, are sold along with other

waste papers, old records, and paper cuttings in the Press to TNPL for recycling

- Campus cleaning and sorting of degradable and non-degradable waste material is done on a daily basis
- Periodical Mass Cleaning Programmes are carried out by NSS, NCC, and YRC student volunteers.
- Regular auctions are coduced to dispose recyclable scraps through MSTC Limited
- Effective management of degradable solid waste in collaboration with the Municipal Panchayat of Annamalainagar: a resource recovery park in Annamalainagar has been set up at an area of 4650 m2 with an objective to recover the beneficial material from the solid waste through compost making: (Windrow composting and Vermi-composting) These practices are considered as the environmentally and economically sustainable solution for municipal solid waste

Liquid Waste Management

- Liquid waste from the points of generation (canteens, hostels, toilets, etc.) is let out through proper drainage facility
- Treated liquid effluent is used for irrigating sewage farm maintained by the Faculty of Agriculture
- Used Water from wash basins and bathrooms is used for gardens, landscaping and vegetation to keep the campus green

Biomedical Solid Waste (BMW) Management

- The University Hospital (RMMC&H) disposes the BMW through an approved Common Facility as mandated by Tamil Nadu Pollution Control Board
- Almost 500-1000 Kg of segregated BMW collected in the color-coded bags, as recommended by **Biomedical Waste Management (BMW) Rules, 2018**
- Exclusively trained manpower to collect BMW waste from all source points in color-coded bags and send them to M/s. Tamil Nadu Waste Management Limited, Chennai, for safe disposal

E-waste Management

- Functional parts of old electronic gadgets like resistors, capacitors, inductors, diodes, transistors, thermistors, etc. Are removed for reuse in practical/projects
- Very old, defunct computers and other accessories, after scrutiny by a committee, are condemned and transferred to the UWD store as e-waste
- All the miscellaneous e-waste such as CDs, batteries, fluorescent bulbs, PCBs and electronic items are collected from every department and kept in the UWD store and later sold to certified vendors
- Obtaining an undertaking certificate from the vendor to the effect that the e- waste will be disposed as per prevailing norms without harming the environment

Waste Water Management

- The University operates two Wastewater Treatment Plants, a 1000 KLD plant for treating wastewater from University premises and another 250 KLD plant, with disinfection at the end, for treating wastewater from the RMMC&H
- The treated water from the plants is reused in the 6 Hectare fodder farm of the University
- The plants have been given 'Consent For Operation' (CTO) by the Tamil Nadu Pollution Control Board under **Water Act** and **Air Act**.

File Description	Document
Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	[View Document](#)
Certification by the auditing agency	[View Document](#)
Any other relevant information	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Disabled-friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The very locale where the University is situated is naturally endowed with a milieu characterized by "Unity with Diversity" where peoples from different walks of life and socio-cultural backgrounds live in interdependence and move in harmony. Annamalainagar, amidst this beautiful setting, is a miniature India where one can experience the diverse cultural climates of India. Every effort is taken by the institution to sustain the spirit of "University with Diversity" on the part of all its stakeholders.

Curricular Activities for Harmony: Curricular and Co-curricular and Extra-curricular activities are given relevant degree of importance to facilitate students of diverse backgrounds come together, share, care and mingle. The activities include:

- Department and Faculty level annual programmes like cultural festivals, literary meets, sports events, etc.
- Opportunity for socio-cultural interaction during South Zone and All India Sports Meets held in the University
- Events conducted by the NSS, the NCC and the YRC create opportunities for students across faculty to mingle together and embrace each other transcending caste, religion, region, and language

- Providing space for students from all regions of the nation to exhibit the indigenous art forms like dance, song, martial art, etc. in the Republic Day and Independence Day celebrations
- Observing/celebrating national/international days of importance relevant to communal/ cultural harmony
- NSS Special Camping programmes used as an occasion to promote cultural harmony among the students and local community (2000 students participate in special camps every year)
- Educational tours utilized as opportunities to bring students together in informal atmospheres where they can mingle with each other without any barrier
- Sense of harmony instilled in young minds through Jugalbandi/fusion programmes conducted by the Faculty of Fine Arts
- Pongal festival celebrated in the name of "Samathuva Pongal" in the first week of January every year in a colourful manner; students and staff served with Sweet Pongal cooked in the traditional manner; a wonderful opportunity created for people from other regional and cultural backgrounds to acquaint themselves with the local culture.

Academic and Administrative Provisions Promoting Harmony&Tolerance:

- Directorate of International Relations looks after the campus life of the foreign students;
- Cultural exchanges made possible with the presence of student from different counties
- Student exchange programmes through MoUs with foreign institutions
- 70+ Courses on Value education, across disciplines, help the learners imbibe the sense of togetherness
- RAWE (Rural Agricultural Work Experience) programme for the first year students of the Faculty of Agriculture provides them with an opportunity to mingle with and learn from the rural folk
- A full-fledged yoga centre at the heart of the University to strengthen the young minds with yoga and meditation
- Employees permitted on OD to attend Yoga and meditation programmes conducted by World Society Service Centre at Aliyar, Tamil Nadu
- Provision of uniform accommodation and common mess in the University hostels
- Equal Opportunity Cell to ensure distribution of scholarships to students of various communities

Other Unique Features

- Multi-storeyed staff quarters in the campus help the residents indulge in liberal cultural exchanges
- Places of worship for all religions available within the campus

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The University is committed to inculcate values, rights, duties and responsibilities of citizens in the staff and the students. The University has always stood with the nation in times of crisis. Whenever there was a calamity, the University volunteered itself to donate financial and human resources to mitigate the sufferings of the victims. The staff of the university offered their one-day salary towards Relief Funds when different parts of the country were hit by cyclones or floods. The staff and student volunteers were also encouraged to take part in relief activities in tandemn with government machineries.

The university encouraged its teaching and nonteaching staff to participate in the nation's democratic exercise, the General Elections. A potential number of staff from the university offer their services to the Election Commission of India towards the conduct of general elections. The student volunteers of the University take part in rallies to create awareness among the public about the importance of exercising their voting rights.

Both the staff and the students take Pledge on Voters Awareness Day. The Department of Political Science organizes a "model parliament" event with the participation of students. This annual programme is an opportunity to sensitize the students about the supremacy of the Constitution and the roles of the Parliament and state assemblies in democracy. Besides, "Constitution of India" has been introduced as a mandatory course throughout the campus.

The Independence Day and the Republic Day are celebrated by the University. Students are given platforms to stage cultural programmes. The observations of these days are occasions for the University to make the staff and the students realize their constitutional obligations. The following are some of the important days observed:

- Anti Terrorism Day Pledge
- Anti Corruption day
- Anti Tobacco day
- Kargil Vijay Diwas
- Untouchability Oath on the death anniversary of Gandhi
- National Safety Day

The University has always seen to it that the instructions and appeals by the governments are strictly adhered. In the wake of Covid-19, when the Government appealed to the nation to download and install **Aarogya Setu Mobile App as precautionary measure, the University immediately responded positively.**

The University conducts a lot of awareness and welfare programmes in the villages around Chidambaram (organized by the NSS and the YRC units, academic departments, the divisions in the faculties of Medicine and Dentistry) and serve the rural community. These programmes not only provide them with an opportunity to acquaint themselves with the public but also to acquire a sense of social responsibility and their indebtedness to the society. Another important agenda of NSS is their tree plantation campaign. Thus the duties and responsibilities of the students towards the society are injected into the young minds. There is a list of certified donors who can be mobilized for blood donation as and when situation warrants.

For additional information, please click - https://annamalaiuniversity.ac.in/download/NAAC/SSR_2020/719/719_Activities_UniveValue.pdf

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.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The University is committed to the overall development of the student into a responsible citizen and a responsive human being. Due efforts are taken to make the learner realize the evolution of human civilization and the contemporary developments through programmes of various sorts. One such effort is to observe/celebrate important days, days like Founder's Days, Women's Day, Science Day, Humanities day, Cancer Day, etc. Special events, cultural programmes, Guest lectures, competitions, etc., mark the celebration of such days. Since it is a multidisciplinary university, there are events round the year. These celebrations are occasions for the university to spread awareness, uphold human values, and instil national pride in the young minds.

The University celebrates the Republic Day, the Independence Day and the Martyrs' Day with great enthusiasm and spirit. Cultural programmes and special performances on historical and paretic themes are the highlights of the celebrations.

The **Teachers Day** is celebrated with much fervour and awe. Faculties with distinctive academic/research track are felicitated with awards -- Best Teacher Award, Best Researcher Award, etc. Faculties who got superannuated in the previous academic year are felicitated. A renowned educationist is invited as guest to address the students and the teachers.

The National Humanities Day (by the Faculties of Arts, Indian Languages, and Fine Arts) and the **National Science Day** (by the Faculty of Science) are religiously celebrated every year. Eminent personalities from Humanities and Science respectively are invited   commemorative speeches on the occasion. Events like Exhibition, competition, etc. are conducted to mark the occasions.

The Department of Business Administration celebrates the **HR Professional Day** and the Department of Civil and Structural Engineering celebrates the **Engineer's Day**.

By way of promoting an equitable and inclusive society, special programmes are organized on days like International Women's Day, World Aids Day, World Disability Day, etc. The NSS and YRC units of the University arrange for special events and competitions on these days.

Pledge taking to eradicate Child labour and taking oath against violence and terrorism are regular part of the University's schedule. Celebrations are there in the University to mark Mahaparinirvan Diwas, the birth anniversary of Dr. Ambedkar and Sadhbhavana Divas, the birth anniversary of Rajiv Ghandhi. In 2020, the 126th Anniversary of Swami Vivekananda's Chicago Speech and 150th Birth Anniversary of Mahatma Ghandhi were celebrated.

A spate of commemorative days like World Cancer Day, Tuberculosis Day, World Health Day, World No Tobacco Day, International Yoga Day, International Day against Drug Abuse and Illicit Trafficking, Fitness Pledge and World Aids day are celebrated to inculcate health consciousness in every student and staff.

As a part of nation building initiative, the Voter's Day is celebrated and a public awareness programme is conducted to ensure 100 % voting.

To imbibe cultural connect and cultural values various festivals are celebrated on the campus. "Samathuva Pongal" is celebrated on the eve of Magara Sankranti. Students and Staff together celebrate Pongal with spirit. Other festivals like Dussera, Holi, Onam are celebrated with pomp and splendour.

File Description	Document
Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

7.2 Best Practices

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

Response:

Best Practice I

Title of the Practice

AURA (*Annamalai University Rejuvenates All*)

Objectives:

Revival of harmony in the society is possible only with the reconstruction of healthy individual – with physical, physiological, psychological and philosophical vigor. It is beautifully possible by adhering to the yogic practices. Hence, AURA -- *Annamalai University Rejuvenates All.*

Through its **Centre for Yoga Studies** (CYS), Annamalai University reaches out to people of all ages and occupations **– from juvenile to senile –** with AURA to help them realize "aura." It aims at:

1. Refreshing and reinforcing the phenomenal physical health
2. Realizing and reinvigorating the outstanding mental wealth
3. Reaching and reaping the unbounded abilities within
4. Radiating and resonating the inner, astounding 'Aura'

Context

Human life with Community togetherness is more a 'grace than a race'. In today's fast-paced world, re-establishing our connection to the lost-grace, and thereby realizing maximum abilities from within, is the need of the hour. All that is required for a peaceful living is already available within.

The divine abode of the Cosmic Dancer, Chidambaram, where the University, is situated has a special connect to this context. It is the place of Patanjali- the Yogic Guru, who learnt the Yoga Philosophy, Principles, and Practices from Lord Nataraja Himself as sung by sage Thiru Moolar, in his work, *Thiru Mantiram*, that is, the 'Sacred *mantra*' or 'Holy incantation'. Thus goes the connect between 'Yoga' and 'AURA'.

The real 'shine' is that Yoga programmes have been yoked to Annamalai University since 1964 as the Centre for Yoga Studies has its roots far back, which very few Universities, if at all, can swank about.

The Practice

Formats and Mode of Experience: The Centre for Yoga Studies of the University is offering several yoga formats, namely, Hatha Yoga, Raja Yoga, Meditation, Yogiraj Shri Vethathri Maharishi Meditation, St. Poet Ramalinga Swami Meditation, Sri Aurobindo and Mother Meditation, face-2-face, experiential practices, Guided Exercises, take-home experiences and audio-visual programs to enhance the total well-being through adoption of integrated approach of Yoga and Meditation- Exposure, Experience, Education, Eruditeness

Coverage and Emphasis: The fruits of **Pranayama and Yoga** are ensured to benefit ranges of people in the society – from prison inmates to Police personnel, from common people to high level officials, from children to senior citizens, from labourers to business people. These trainings, offered with nonprofit motive, help them rightly channelize emotions, streamline cognition, manage anxiety, and enhance aptitude anywhere, anytime.

Smarty Programmes Offered: Yoga for Self-esteem, Memory Development, Assertiveness in Communicate Rapid Reading, Thoughtful Thesis Writing) for Ph.D and M.Phil research scholars

Celebrations or Observation of Days: Commemorative days of national and international importance such as "Yoga For Women Empowerment" and "Yoga as Holistic Approach for Adolescent Issues,",

besides "Wife Appreciation Day for Compassionate Recognition," "Senior Citizen Day for Mental Fortitude" are celebrated/observed with a large participation of students and faculty.

Special Programmes: ' Use of Herbal in Wellness', 'Naturopathy and Yoga food for Healthy living', 'Values and Spirituality for Overcoming Challenges', 'Role of Naturopathy and Yoga in Preventing and Curing non-Communicable Diseases', 'Empowering Body and Mind through Yoga' for School, College and University students/staff.

Collaborators: Yoga programs are offered in collaboration with national and regional institutes like 'Prajapita Brahma Kumaris Ishwarya Vishwa Vidthyalaya', 'Samarasa Suddha Sanmarkka Sangam, Vallalar's Dhyana Yoga', 'Vallalar Education Training and Research Institute', Thiruvavadurai Adheenam Saiva Siddanta Direct Training Centre', and 'Raj Yoga Education & Research Foundation'. These collaborations help in the realization of augmented learning and expanded reach.

Outreach: Enhanced social outreach through Yoga Therapy at (i) the University's Rajah Muthiah Medical College Hospital (RMMCH), (ii) a sub-centre of the CYS in the Coastal Village, 'Parangipettai' and (iii) in meditation halls at various Hostels of Annamalai University.

 Supplementing Facilities: Physical facilities of the University such as the serene ambience, the Physical Education tracks, courts, yards and fields, a free access Children's Park, free access Walking Corridors and Pavilion inside the campus with Pollution-free, cool, tranquil and oxy-rich environment, help conduit the Yoga-AURA connect.

All Yoga Training courses adhere to guidelines of **Ministry of Ayush, Government of India.**

Evidence of Success

Prisoners Transformed: The lives of 800 inmates of Tihar, 1000 inmates of Puzhal have been transformed with yoga education extended by the Centre for Yoga Studies, Annamalai University.

Increasing number of participants in the International Yoga Day organized by Annamalai University every year since 2015 is encouraging and an evidence of success. It has risen from 2000 in 2015 to 12000+ in 2019.

Increasing participation of school children and general public in the "Yoga Expo and Mass Yoga Practice" organized by Annamalai University speaks about the success of the practice, from 2000 in 2015 to 12000+ in 2019.

Increasing and enthusiastic participation of the 1000 non-teaching and 500 teaching staff in specially designed yoga programmes such as 'Healthy Living', 'Stress Free Living', etc., is a testimony for the success of the programme.

Online Yoga Sessions conducted by the Centre for Yoga Studies for the University students, Faculty and Administrative Personnel during COVID – 19 Pandemic were received well. These programmes were designed to address issues related to stress management and mental health during the lockdown period.

The patronage, number of registrants to the Yoga classes, training, and participants is our success. The feedback received is reinforcing our 'courage and faith.'

Problems Encountered and Resources Required

No specific problem was encountered.

Resources are needed to hire Yoga exponents to supplement our human resources and also to enhance the available physical infrastructure.

In the last five years, more than 50,000 participants have been benefitted by AURA. They have to be provided with some material for reading and reference.

Notes (Optional)

Annamalai University, as far back as in 1964, instituted the CYS and became a pioneer educational institute in the country to integrate yoga with everyday life of people and students. Its services could be emulated in Colleges/Schools to make the Yoga practices part of people's lives from their early years.

Best Practice II

Title of the Practice: Neighbourhood Empowerment through Science & Technology (NEST)

Objectives

1. **To enrich the lives of the local community through a "NEST" of measures**

2. **To entwine Science and Technology with the lives of people in the neighbourhood -- The rich scientific data and technological expertise that the University possesses for its academic purpose have been extended to the society and entwined with the everyday lives of peo\ple**

3. **To empower the neighbourhood communities with sustenance and self-reliance – The practice aims to enable agricultural folks and fishing community of the region overcome their occupational challenges, and ensure them with a guaranteed income, and empower them with an improved socio-economic status**

Context

Annamalai University is set in a rural environ very close to the eastern coast, amidst three most

disadvantaged districts of Tamil Nadu where the majority of the population is socio-economically marginalized. Since it is not an industrial region, the lives of the people in the rgion is highly precarious and uncertain where the struggle is often to make both ends meet. The majority of the population of these districts depends on agriculture and aquaculture (Fishing) for their livelihoods. Less productive coastal lands, vagaries of monsoon, sea water intrusion, proneness to and frequent occurrence of natural disasters (like floods, cyclones, etc.,) and low literacy rate render the lives of these people highly precarious. Though the University has played a significant role in improving the overall socio-economic condition of the region through its educational service, it wanted to address this singular issue that poses a particular challenge to the backbone occupations of the region, namely Farming and Fishing. Annamalai University, a nest of scientific expertise and technocrats, has come forward to share its scientific expertise and technological resources with the rural as well as coastal folks of the region so as to make their occupations more rewarding, stable and risk-free. The University has been indulging in a set of extension and outreach activities to alleviate the livelyhood problems of the loal community and improve the standard of livfe of the people, especially, the farmers and the fishermen. The University has been consciously and systematically indulging in these activities as part of repaying its debt of gratiude to the local community in particular and the nation in general.

The Practice

- The lives of the farmers in the region have been incredibly changed through the introduction and supply of certified seeds: "**Annamalai Brinjal**"– the most sought after variety for many popular and authentic South Indian cuisines;the brinjal variety indigenously developed by the University is a climate relient variety that offers high yield with low inputs and, thus, guarantees profit to the vegetable farmers. **"SIGAPPI" (CR1009-SUB1) -- a submergence-tolerant rice variety** released by the aculty of Agriculture, Annamalai University in collaboration with IRRI, Philippines, has significantly helped the farmers combat with the recurrent devastating floods in the region. In order to encourage entrepreneurial culture among the fisher-folk, **marine ornamental fish hatcheries** have been established with the financial support of DBT and MoES; since post-catch processing and preservation helps the fishers a lot in balancing the fluctuations in demand and supply and enhancing their earnings, a **Fish Drying Bed** of 2000 sq.ft. area and a **storage facility** have been dedicated to the neighbourhood fishing community at Mudasalodai.

- A Climate resilient farming system, **Integrated Rice + Fish + Poultry Farming** innovated and introduced by the University has come as a boon in the lives of marginalized farmers of the locale with enhanced household diet diversity and escalation of profit that, in turn, has resulted in alleviated malnutrition among farm women and children and improved livelihood of the overall population. A set of innovative protocols for **estuary ecosystem** management -- **Artificial Mangrove Propagation, Planting, and Restoration --** developed by the University has been successfully implemented in the estuary of the **River Vellar,** the Estuaries of Ariyankuppam and the Lake Pulicat with an overwhelming participation of local communities. The beneficial impact of the project was widely acknowledged and appreciated by the public during the Tsunami when thousands of human and other lives were saved along the coast where the mangrove restoration interventions are implemented.

Services: For **'Good Catch & Safe Return',** fishermen are updated with information on promising hefty 'fish-colonies' in the deep sea to decide where to head on; and 'weather data' to decide whether to embark at all.

Self Help Groups (SHGs): Realizing that the economic vitality of fisher-folk depends very much on

women's participation, over 1100 women of SHGs in the adjacent five districts have been trained on Seaweed Farming Technology and Value Added Fishery Products.

TDPs: Scores of TDPs (Training and Development Programmes) conducted for the benefit of the neighbourhood communities:

* Bee-keeping
* Bio-fertilizer production
* Mushroom cultivation
* Roof gardening
* Kitchen gardening
* Marine algal culture
* Live feed preparation
* Mushroom culture on fish wastes
* Integrated coastal aqua farming
* Value additions of marine products
* Seafood recipes preparation
* Marine environment impact assessment
* Marine fish disease diagnosis

Evidence of Success

* Nearly 2500 farming households in 36 villages have been benefitted by **Integrated Rice** + **Fish** + **Poultry Farming** method. The positive impact created by the method in local villages made it become national as it derived nationwide attention through "Hunnarbaaz episodes" telecasted by Doordarshan. Ultimately it gained international status and it has been adopted by the **Government of Nepal** and replicated successfully.
* The submergence-tolerant quality of SIGAPPI rice variety has become popular both at national and international levels. Farmers of Kerala, especially in the flood-prone districts, prefer this rice variety and it is grown in 1000+ha there.
* The number of Farmer's Clubs have increased to 59 and the number of adopted villages has gone up to 55 in the neighbourhood.
* Economic status of fisher-folk has gone up with 20 per cent increase in 'fish-catch'.
* Value addition to raw-fish enhanced the demand and increased returns by 40-80 per cent.
* Share of women to family income increased to 35 % from 15 % during the quinquennium.
* The voluntary and sustainable environmental project of Annamalai University – **Mangrove Expansion** - has its conspicuous impact on the coastal ecosystem and innumerable lives could be protected during the Tsunami-2004.

Problems Encountered and Resources Required

Financial constraints: Annamalai University offers educational service on a nonprofit motive and it functions mainly on government grants. At times, it is difficult to take the programme further and farther since it requires resources.

Time constraints: Though the University devotes itself considerably extension and outreach activities, its prime time is invested in academics, teaching and research. All its extension activities are carried out

effectively only with the support of the student volunteers and teachers. However dedicated they are, they cannot involve themselves with these activities round the year

Financial Requirement: More fund-flow is required to increase the number of beneficiaries and the area of coverage. What is extended as a service in the neighbourhood may be expanded to a larger region with increased financial support.

Logistic Requirement: Quick logistic facility is required to take the volunteers and other necessary equipment to and from the beneficiary villages.

Notes (Optional)

The informal economic sub-sector within the Primary sector is supporting many families whose economic standing gets strengthened with few well conceived, but least expensive technologies tilted measures. With the spreading of information and a few subsidiary measures, risk is shaved off and stable income is guaranteed ultimately saving the bottom-rung people's livelihood. With a little service, a big impact is made. This is worthy of emulating in similar or related contexts as well.

File Description	Document
Best practices in the Institutional web site	[View Document](#)

7.3 Institutional Distinctiveness

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

Response:

University with Diversity

If India is rightly termed as a "subcontinent" characterized by "unity in diversity", Annamalai University can best be described as a "mini Bharath" with learners from diverse backgrounds taking a plethora of pursuits. One can experience the panorama of the subcontinent cultures in a splendid blend as he/she drives through the campus. This leads to the preparation of a rich array of graduates who participate in nation-building, within and outside Bharat, in different capacities. The galaxy of its alumni speaks for its role in the socio-economic-cultural history of the state as well as the country.

University with Diversity: It is this diversity of learners converging with a single motive of "education" that makes Annamalai a "University with Diversity." All thorough its nine decades of glorious existence, through changing as well as challenging times -- from Pre-independent to Post-globalized ages -- Annamalai University has been guided by the sole aim of transforming lives "With Courage and Faith".

Learner Diversity: A large section of rural students in the roll socialize with their urban counterparts, thus making both realize realities of life. Understanding rural life and acquiring urban exposure mutually happen in the campus itself leading to successful managers later. More enrolment of girl students in the campus along with boys lead to a better understanding of gender issues resulting in gender equity, increased respect towards women in society and instilled self-confidence among women. Adolescent and adult students are rubbing shoulders with each other leading to informal education. Influence of transfer of experience helps them in goal-setting, critical decision-making and to overcome inhibition. Such positive reinforcement leads to convergence of students with diverge aspirations to converse and to come off with flying colors.

Panoramic Programme Diversity: One of the remarkable features of the university is its educational diversity – a diversity caused by both the range of programmes offered and the educational lineage from which the learners hail. Being a unitary university, one of the few of its kind in India, Annamalai University offers 350+ programmes in disciplines ranging from Music to Medicine, Agriculture to Aquaculture, Humanities to Technologies, Physical Education to Yoga Sciences and Meditation, and Languages to Sciences in a gamut of diploma to doctoral programmes making the academic atmosphere, 'a universe' with flavor and fervour. This enables cross-germination of ideas and to engage in trans-disciplinary studies and research making them competitive executives and entrepreneurs with lateral thinking.

Multi-Diversities Merge: Students of various geographical divide from within and outside the country mingle among themselves imbibing cultural, linguistic, ethnical and geographical diversity in their advantage. The conspicuous diversities -- social, economic, educational, geographical, linguistic, cultural, demographic, and psychological -- in the campus provide the learners with opportunity for successful career-modeling in addition to character-moulding. The diversity is also reflected in the range of positions occupied by the alumni and their remarkable contribution towards the social, economic, and educational development and the linguistic and cultural tapestry.

Local-Global Connect: By offering world class education at a cost affordable even to the socially and economically marginalized sections, the University is globalizing the local and localizing the global, as the Governments and the different accrediting bodies/agencies desire. The coming together of aspirants from various social rungs helps them become catalysts to induce and bring about harmony in the society. Provision of ample scope to large number of first generation students as well as students from established educational background facilitates the students to have interactions leading to peer-learning. Influenced by the cultural confluence in the campus, the learners get themselves prepared for both "melting pot", fusion of cultures and ethnicities, and "cultural mosaic", mix of coexisting ethnic, language and cultural groups, even as they are endowed with a global outlook.

Fee-structure Facilitating Diversity: Intake of students through self-support and scholarship modes has led to the diversified gross enrollment with wider economic diversity. Sharing of the facilities on a common platform by learners from both the economically weaker and the affluent sections provide them opportunity to sympathize and empathize with each other. Thus, the campus life experiences help them assimilate economic diversity and to understand the importance of values in life. This has resulted in the advent of social architects who built a de-layered cohesive society.

International Student Community: The international student community in the university is drawn from Malaysia, Singapore, Sri Lanka, Congo, Sudan, Rwanda, Nigeria, *etc.* This demographic and geographic dividend in the campus life helps them gain a social apprenticeship for a civilized living of respecting

others' sentiments without losing one's individuality. It has helped a few of its alumni emerge as leaders not only in India but also in other parts of the world -- from the First Citizen of India to the Founding Father of Malaysia.

Overseas Alumni Community: The overseas alumni of Annamalai University, in all the Continents, holding very elegant positions as Corporate giants as well as Start-up Smarts, University Faculty as well as Technocrats, Common-public as well as Government bureaucrats, and in all other hues, thus rendering the University truly a **"Universe-City."**

Leaders and Legislators: A large number of statesmen, ministers, parliamentarians, and MLAs from Annamalai University owe their success to its distinct diversity that helped them gain a firsthand knowledge from the pages of the society. It is a matter of fact as well as pride that since the 1960s, the Tamil Nadu State Cabinet has been sporting representation from the Alumni of Annamalai University.

Legends and Landmark-makers: The range of personalities that the university has dedicated to the society speaks for its distinctiveness and identity -- from Padma awardees to Phalke awardees, Novelists to Forensic experts, Bureaucrats to Technocrats, Economists to Educationalists, Artistes to Activists, Reformers to Entrepreneurs, and Scientists to Spiritualists. Besides, Annamalai University has been a training field for a host of Vice-Chancellors who steered the destinies of a number of universities.

The above diversity enables demographic dividends happen in the University. It also delivers distinctiveness to Annamalai University in different dimensions – determined purposes, development possibilities, diligent capabilities and demonstrative supports.

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

5. CONCLUSION

Additional Information :

Annamalai University is distinct from most other higher educational institutions on the grounds that it has not simply produced batches of students but generations of human resources. During the pre-independent period, the University played a commendable role in stimulating the nationalistic fervour among the people of Tamil Nadu. Its nationalistic role continues even after the independence of India. The university has been a cradle of leaders and statesmen whose roles are noteworthy in socio-political history of Tamil Nadu and even India. R. Venkatraman, the eighth president of India, P.C. Alexander, former governor of Tamil Nadu and Maharashtra, a host of ministers, M.L.A.s, and M.P.s are among the illustrious alumni of the University. The University has a long list of its alumni who have shined in fields ranging from academics to administration, science to sports, medicine to music, industry to judiciary, education to entrepreneurship, etc. The University is also proud of having produced a score of vice-chancellors who have steered the destinies of different state and central universities.

The Annamalai tradition of research is still a continuous phenomenon. The CAS in Linguistics have immortalized certain tribal languages by supplying them with scripts. The Department of Tamil has published many classical Tamil texts which would otherwise have been lost and forgotten. A high yield brinjal variety, AU Brinjal, one of the contributions of the Faculty of Agriculture is a boon to farmers in Tamil Nadu and elsewhere. The CAS in Marine Biology has gained significant attention by its contribution to the preservation of coastal environment through mangrove-expansion. The Faculty of Engineering and Technology, the second to offer Engineering programmes in the whole of South India, has produced several generation of engineers and technocrats who are spread across the globe. Nine faculty members from Annamalai University are among the 2 % world top scientists according to a survey conducted by **The Stanford University, California, USA** in 2020. The impressive infrastructure of the university promotes and supports the activities in the research front. The University remains a fertile field facilitating the flowering of fresh ideas by the togetherness of enriched faculty and yearning learners.

Concluding Remarks :

Annamalai University is simultaneously ancient and modern – ancient in its principles and modern in its outlook; ancient in age and modern in spirit. This dual quality of the University is attested by the National Education Policy (NEP 2020). The major recommendations in NEP 2020-- preventing fragmentation and favouring multidisciplinary universities, establishing universities in rural areas, insistence on Indian Culture and values, promoting education in local languages, etc. – have already been addressed by Annamalai University from its inception.

- The NIRF-2020" by the Ministry of Human Resource Development (MHRD) has ranked the University in the band 101 - 150 in the University Category. In the Pharmacy Category the ranking is 12th and 35th in the Medical Category.

"The Times Higher Education World University Ranking - 2021" has ranked Annamalai University in 1000+ for Overall category; the University is ranked 601+ for Clinical & Health Subjects, 801 - 1000 for Engineering, 801+ for Life Sciences and 1000+ in the Physical Sciences. "The QS World University Ranking - 2021" has ranked Annamalai University in the band of 301 - 350 in Asia Ranking.

With an incredible and invaluable past on its back, the University is marching towards an immense future. The university remains glorious because it was founded on the principles of sacrifice, service, and dedication. Annamalai University was not built in a day; it is not simply mortar and bricks that have gone into the construction of the University; benevolent deeds of philanthropists, perennial principles of philosophers, futuristic plans of visionaries, and unnoticed sacrifice and unadulterated love of many form the firm pedestal upon which stands the edifice of knowledge and wisdom. Every stone in Annamalai University is consecrated with the nobility of great souls; every wind in Annamalainagar is dusty with the pollen of gratitude to the great attitude of the founders and the path-makers of the University; and every dawn in Chidambaram is indicative of the immense future of the University.

The woods are lovely dark and deep

*But **we** have promises to keep*

*And miles to go before **we** sleep*

*And miles to go before **we** sleep…*

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification

1.1.2	**Percentage of Programmes where syllabus revision was carried out during the last five years.**
	
	    1.1.2.1. How many Programmes were revised out of total number of Programmes offered during the last five years
	    Answer before DVV Verification : 234 **1.1.2.2. Number of all Programmes offered by the institution during the last five years.**
	    Answer before DVV Verification : 245
	    Answer after DVV Verification: 234

1.2.1	**Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.**
	
	    1.2.1.1. How many new courses were introduced within the last five years.
	    Answer before DVV Verification : 1676 **1.2.1.2. Number of courses offered by the institution across all programmes during the last five years.**
	    Answer before DVV Verification : 5580
	    Answer after DVV Verification: 4628

2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**
	
	    2.4.3.1. Total experience of full-time teachers
	    Answer before DVV Verification : 28970
	    Answer after DVV Verification: 28970

2.4.4	**Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years** **2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
43	89	31	45	22 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
6	39	7	11	12	
2.5.2	**Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**

2.5.2.1. **Number of complaints/grievances about evaluation year wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
37	72	12	26	10

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
37	72	12	26	10

2.5.4	**Status of automation of Examination division along with approved Examination Manual**
	Answer before DVV Verification : 100% automation of entire division & implementation of Examination Management System (EMS)
	Answer After DVV Verification: 100% automation of entire division & implementation of Examination Management System (EMS)
	Remark : As per authorized statement attached in supporting documents 2.5.4. pdf
2.6.3	**Pass Percentage of students(Data for the latest completed academic year)**
	2.6.3.1. Total number of final year students who passed the examination conducted by Institution.
	Answer before DVV Verification : 4404
	Answer after DVV Verification: 4404
	2.6.3.2. **Total number of final year students who appeared for the examination conducted by the Institution.**
	Answer before DVV Verification : 4620
	Answer after DVV Verification: 4620

3.1.2	**The institution provides seed money to its teachers for research (average per year, INR in Lakhs)**

3.1.2.1. **The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	46.77	25

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	50.36	6.33

Remark : Recommended as per data provided and highlighted in supporting document 312. reply.pdf

3.1.4	**Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.** 3.1.4.1. **The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.** Answer before DVV Verification: Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
212	261	138	170	44

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
212	261	138	170	44

3.1.6	**Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)** 3.1.6.1. **The Number of departments with UGC-SAP, CAS, DST-FIST , DBT, ICSSR and other similar recognitions by national and international agencies.** Answer before DVV Verification : 43 Answer after DVV Verification: 38

3.2.3	**Number of research projects per teacher funded by government and non-government agencies during the last five years** 3.2.3.1. **Number of research projects funded by government and non-government agencies during the last five years.** Answer before DVV Verification : 449 Answer after DVV Verification: 449 3.2.3.2. **Number of full time teachers worked in the institution year-wise during the last five years..** Answer before DVV Verification : 1415 Answer after DVV Verification: 1415

3.3.3	**Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.** 3.3.3.1. **Total number of awards / recognitions received for *research /* innovations won by institution / teachers / research scholars / students year-wise during the last five years.** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
35	70	46	26	13

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
22	48	28	16	9

Remark : Awards of best paper oral/poster presentation in any conference/seminar/symposia are not been considered.

4.3.1	**Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)** 4.3.1.1. **Number of classrooms and seminar halls with ICT facilities** Answer before DVV Verification : 246 Answer after DVV Verification: 196 Remark : As per document provided in supporting document 4.31. reply.pdf
4.3.5	**Institution has the following Facilities for e-content development** 1. **Media centre** 2. **Audio visual centre** 3. **Lecture Capturing System(LCS)** 4. **Mixing equipments and softwares for editing** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above Remark : Audited income and expenditure statement highlighting the relevant expenditure has not been provided.
5.1.2	**Average percentage of students benefited by career counseling and guidance for competitive examinations offered by the Institution during the last five years.** 5.1.2.1. **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years** Answer before DVV Verification:

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6970	4642	5732	3070	2372

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
6960	4642	1327	111	216

Remark : Attendance sheet and certificates asked by dvv have not been provided. Report of the

		programme for the year 2015-16, 2016-17 supported by photograph with date and caption not provided, Therefore, Placement record only entered here.
6.3.2		**Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.** 6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years** Answer before DVV Verification:

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
23	25	2	14	13

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
23	25	2	14	13

6.3.3	**Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.** 6.3.3.1. **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
16	40	18	20	13

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
15	40	13	18	11

Remark : Recommended values as per data provided in supporting documents with link.

7.1.2	**The Institution has facilities for alternate sources of energy and energy conservation measures** 1. **Solar energy** 2. **Biogas plant** 3. **Wheeling to the Grid** 4. **Sensor-based energy conservation** 5. **Use of LED bulbs/ power efficient equipment** Answer before DVV Verification : A. 4 or All of the above

	Answer After DVV Verification: A. 4 or All of the above	
7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Disabled-friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment** 5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above	
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.** 1. **The Code of Conduct is displayed on the website** 2. **There is a committee to monitor adherence to the Code of Conduct** 3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff** 4. **Annual awareness programmes on Code of Conduct are organized** Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above	

2.Extended Profile Deviations

ID	Extended Questions				
1.1	**Number of programs offered year-wise for last five years** Answer before DVV Verification:				

2019-20	2018-19	2017-18	2016-17	2015-16
223	225	225	219	216

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
223	225	225	219	216

1.2	**Number of departments offering academic programmes** Answer before DVV Verification : 55 Answer after DVV Verification : 55
2.1	**Number of students year-wise during last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
22175	21174	21123	22657	27203

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
22175	21174	21123	22657	27203

2.2	**Number of outgoing / final year students year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
4991	5368	5422	6853	9998

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
4766	5138	5162	6603	9734

2.3	**Number of students appeared in the University examination year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
16389	14220	19668	21163	24882

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
16389	14220	19668	21163	24882

3.1	**Number of courses in all programs year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6330	5636	5463	5301	5168

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6330	5636	5463	5301	5168

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
3206	3121	3089	2941	3870

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Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
3206	3122	3088	2940	3870

4.3	**Total number of classrooms and seminar halls** Answer before DVV Verification : 353 Answer after DVV Verification : 353
4.4	**Total number of computers in the campus for academic purpose** Answer before DVV Verification : 2362 Answer after DVV Verification : 2807