



ANNAMALAI UNIVERSITY

ANNUAL QUALITY ASSURANCE REPORT 2018 - 2019



Annamalainagar - 608 002
Tamilnadu

ANNAMALAI  UNIVERSITY

Annamalai Nagar – 608002, Tamilnadu, India.

Annual Quality Assurance Report (AQAR)

IQAC

2016-17

Annual Quality Assurance Report (AQAR) of the IQAC 2016-17

Part – A

1. Details of the Institution

1.1 Name of the Institution	Annamalai University
1.2 Address Line 1	Annamalai Nagar
Address Line 2	--
City/Town	Chidambaram
State	Tamil Nadu
Pin Code	608 002
Institution e-mail address	au_regr@ymail.com
Contact Nos.	04144-238259
Name of the Head of the Institution:	Prof. Dr. V. Murugesan, Ph.D.
Tel. No. with STD Code:	04144- 237066, 238011
Mobile:	+91 9444376464
Name of the IQAC Co-ordinator:	Dr.N.Krishnamohan
Mobile:	+91 9443292021
IQAC e-mail address:	iqacau1929@gmail.com

1.3 NAAC Track ID (For ex. MHCOGN 18879):

1.4 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR201213.doc>

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	Four Star	-	2002	2002-2007
2	2 nd Cycle	B++	-	2007	2007-2012
3	3 rd Cycle	A	3.09	2014	2014-2019

1.6 Date of Establishment of IQAC :

1.7 AQAR for the year

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

- i. AQAR 2010-11 submitted to NAAC on 19/03/2012
- ii. AQAR 2011-12 submitted to NAAC on 09/05/2013
- iii. AQAR 2012-13 submitted to NAAC on 05/11/2014
- iv. AQAR 2013-14 submitted to NAAC on 05/11/2014
- v. AQAR 2014-15 submitted to NAAC on 25/04/2017
- vi. AQAR 2015-16 submitted to NAAC on 25/05/2018

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women
 Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phy. Edu)

Education Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University (*for the Colleges*)

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR /UGC-SAP/ DST-PURSE/FIST etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers	8				
2.2 No. of Administrative/Technical staff	5				
2.3 No. of students	2				
2.4 No. of Management representatives	--				
2.5 No. of Alumni	1				
2.6 No. of any other stakeholder and community representatives	--				
2.7 No. of Employers/ Industrialists	--				
2.8 No. of other External Experts	2				
2.9 Total No. of members	18				
2.10 No. of IQAC meetings held	2				
2.11 No. of meetings with various stakeholders:	No.	3	Faculty	10	
	Non-Teaching Staff	2	Students		
		Alumni	2	Others	--
2.12 Has IQAC received any funding from UGC during the year?	Yes	--	No	√	
If yes, mention the amount	--				

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.	60	International	--	National	--	State	--	Institution Level	60
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(ii) Themes

- Sensitisation of Staff of all the Department of Studies on the importance of IQAC
- Importance of AQAR and preparation of AQAR
- Innovative Teaching and Research, Communication Skill in English, Techniques of Communication, Ethical Teaching Behaviour, Work Related Computer Education, Emotional Management, Serve with Smile, Soft Skill & Effective Communication, Strategies for Lifelong Learning etc.,

2.14 Significant Activities and contributions made by IQAC

- Meeting of the IQAC was held twice and interaction with IQAC member regularly over phone
- IQAC has worked continuously for collecting and preparing qualitative and quantitative information from every Faculty of the University
- One department level Coordinator was appointed to collect and compile the data of all faculty members of each department
- One Nodal officer was appointed to compile all activities, all department and Centres.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year 2016 – 17.

Plan of Action	Achievements
Preparation of curricula and syllabi for offering dual degrees under integrated mode	Teaching : Syllabi revised to facilitate dual degrees(M.A., M.Sc., M.Com.,) at the end of five years
	Taught to facilitate equivalence of the dual degree with traditionally offered degrees
Preparation of curricula and syllabi for offering Ph.D. degree under coursework mode	Offered Ph.D. level course work in the faculties of Arts, Science, Marine Sciences, Medicine, Dentistry, Education and Engineering & Technology in addition to the programme prevailing in Agriculture
Preparation of Examination Manual for ushering in examination reforms	Examination Reforms starting from Dummy Number System to OMR, internal & external resources for Question paper setting and valuation, introduction of observers in addition to invigilators, Publication of results with marks in the University web site enhancing confidentiality, transparency and credibility.

** The Academic Calendar of the year is enclosed as Annexure*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	98	5	93	--
PG	197	5	197	5
UG	42	1	42	1
PG Diploma	9	--	6	--
Advanced Diploma	--	--	--	--
Diploma	14	1	15	3
Certificate	9	--	11	1
Others(M.Phil)	47	1	43	--
Total	416	13	407	10
Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	163
Trimester	--
Annual	49

1.3 Feedback from stakeholders*Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Five year M.A. M.Com and M.Sc Integrated Syllabi revised
- Project and new electives have been added.
- Based on SLET, NET syllabus and other programmes competitive examinations, the syllabi has been updated frequently.
- Syllabus for certain Ph.D. course works were revised.
- Courses on Environmental Studies and Soft Skills introduced in every programme.
- Syllabus for various M.Sc(CBCS) degree programmes were revised.

- Complete Syllabus for B.E degree programmes were updated and revised; and implemented from the year 2016-2017.
- Revision/Updation of syllabi is taken up **once in four years** to keep in tune with the technological advancements.
- Entire curriculum and syllabi of BE (ECE) and ME (CS) were revised based on AICTE model curriculum and suggestions from experts.
- The B.P.E course was restructured as B.P.E.S as per U.G.C new guidelines.
- Revised and reintroduced B.Sc (Agriculture) and B.Sc (Horticulture) study tour programme in order to give exposure to various agro climatic zones and crops of Tamilnadu.
- Choice based crop cafeteria course was introduced in the final year of B.Sc(Agriculture) and B.Sc(Horticulture)
- Changes made in the marking system for Seminar and Thesis Viva-Voce examination
- Added value added courses
- B.Sc. Nursing Curriculum was revised.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
2244	1762	205	264	13

2.2 No. of permanent faculty with Ph.D.

1582

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil

15

97

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	252	671	241
Presented papers	366	798	109
Resource Persons	56	163	60

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- News paper strips and maps are used as supplement to teaching material.
- Visual teaching aids such as slides, pictorial diagrams and globe are used.
- Industrial visit as part of the curriculum.

- Seminars and Conferences on current topics.
- Rich collection of study material.
- Compulsory weekly seminar is introduced for M.Sc Students.
- The project work for PG students is mandatory.
- Preparation of lesson plan and peer review.
- Smart classroom facility has been set up now for the benefit of the students. Phonetic lab for Phonetic Drill.
- LCD projectors & LED TV's are used for the illustration of more complex machineries.
- Remedial courses are offered to slow learning students.
- The Institution educates the teacher trainees across the spectrum of intellectual, social, moral, aesthetic, cultural, physical, psychological and spiritual criteria .
- Students are induced to develop interest in subject, to enlighten about the scope of the subject. For senior teachers, it was made obligatory for them to undergo UGC sponsored refresher courses organized by our university and other universities.
- Bluetooth connected smart TV was installed in the classroom.
- ICT tools for projecting online downloaded videos. Students are exposed to field experiences by conducting outdoor classes to FCI, CWC, TNCSC, Co-operative banks, Commercial banks, regulated markets, private agro industries, NABARD, DRDA, NGO's and markets etc., Participatory approach, ICT tools, Field visit exposure, Participate Training.

2.7 Total No. of actual teaching days : All Faculty Faculty of Medicine
during this academic year

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

1. **AUTOMATION:** Scanning, Answer Book, Dummy Numbering, OMR for Mark Sheets, Double Valuation for PG courses
2. **ONLINE:** Application, Payment, Hall Ticket, Result Publishing, Grievance Redressal Cell
3. Photo Copy Provision for Answer Scripts.
4. Bar coding
5. Evaluation of students is based on both Continuous Assessment (internal) and the End Semester Examinations (external).

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

223	130	277
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2.10 Average percentage of attendance of students:

2.11 Course/Programme wise Distribution of Pass Percentage:

Title of the Programme	Total No. of Students Appeared	Division				
		Distinction	I	II	III	Pass %
B.E(Civil)	273	08	76	5	--	52
B.E(Civil & Structural)	132	08	47	26	--	61
B.E(Mechanical)	534	10	136	119	--	50
B.E(Manufacturing)	93	--	26	15	--	44

B.E(Electrical)	180	06	66	26	--	54
B.E(Instrumentation)	35	03	08	12	--	65
B.E(Chemical)	36	03	14	10	--	75
B.E(Computer Science)	104	02	33	38	--	70
B.E(Information Technology)	57	03	19	17	--	68
B.E(Electronics & Communication)	192	14	84	34	--	69
B.Sc(Agri)	2644	--	--	--	--	80
B.Sc(Horti)	100	--	--	--	--	81
B.Sc(Nursing)	136	8	47	70	--	92
B.P.T	4	--	--	--	--	100
M.P.T	1	--	--	--	--	100
M.B.B.S	59	--	--	--	--	89
B.D.S	181	3	61	85	--	82
MD(Anaesthesiology)	7	--	--	--	--	100
MD(Anatomy)	1	--	--	--	--	100
MD(Community Medicine)	7	--	--	--	--	100
MD(DVL)	1	--	--	--	--	100
MD(General Medicine)	12	--	--	--	--	100
MD(Microbiology)	1	--	--	--	--	100
MD(O & G)	16	--	--	--	--	88
MD(Paediatrics)	13	--	--	--	--	100
MD(Pathology)	2	--	--	--	--	100
MD(Physical Medicine)	1	--	--	--	--	100
MD(Radio Diagnosis)	15	--	--	--	--	100
MS(General Surgery)	12	--	--	--	--	100
MS(ENT)	1	--	--	--	--	100
MS(Orthopaedics)	7	--	--	--	--	100
PG.Dip.in Anaesthesiology	6	--	--	--	--	100
PG.Dip.in Child Health	3	--	--	--	--	100
PG.Dip.in DVL	1	--	--	--	--	100
PG.Dip.in O & G	2	--	--	--	--	100
PG.Dip.in Oto-Rhino-Laryngology	1	--	--	--	--	100
PG.Dip.in Ophthalmology	1	--	--	--	--	100
PG.Dip.in Orthopaedics	3	--	--	--	--	100
PG.Dip .in Radio Diagnosis	6	--	--	--	--	100
MDS(Conservative Dentistry Endo)	4	--	--	--	--	100
MDS(Oral & Maxilofacial Surgery)	6	--	--	--	--	100

MDS(Oral Medicine & Radiology)	3	--	--	--	--	100
MDS(Oral Pathology & Microbiology)	3	--	--	--	--	100
MDS(Orthodontics & Dentofacial Orthopaedics)	6	--	--	--	--	100
MDS(Dedodontics & Preventive Dent)	5	--	--	--	--	100
MDS(Periodontology)	6	--	--	--	--	100
MDS(Prsothodontic & Crowe Bridge)	4	--	--	--	--	100
BPT	14	--	--	--	--	100
MBBS	80	--	--	--	--	56
M.Sc(Nursing)	2	--	2	--	--	100
Certificate Course in Dental Mechanics	1	--	--	--	--	100
MS(Ophthalmology)	2	--	--	--	--	100
M.Sc(Agri- Biotech)	5	--	--	--	--	100
M.Sc(Agri-Agronomy)	35	--	--	--	--	97
M.Sc(Agri-Economics)	19	--	--	--	--	100
M.Sc(Agri-Extension)	20	--	--	--	--	100
M.Sc(Agri-Genetics & Plant Breeding)	24	--	--	--	--	100
M.Sc(Agri-Microbiology)	13	--	--	--	--	100
M.Sc(Agri-Soil Science)	15	--	--	--	--	93
M.Sc(Agri-Entomology)	20	--	--	--	--	100

2.12 How do IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Periodical Training Programmes conducted
- Collects feedback from the students, parents and employers
- Provides information on the strong and weaker areas of the department in academic and administrative aspects
- Transparency in admission process
- The creation of the IQAC has effectively contributed to evaluate in teaching & learning processes
- Rectifies issues through action taken reports
- The HD/ Dean observes the lectures presented by staff and suggest improvements required. Student's feedback is obtained every year and their suggestions are implemented.
- Promoting actions and development through research, teaching, learning processes, performance appraisal and regular discussion with students

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	77
UGC – Faculty Improvement Programme	42
HRD programmes	05
Orientation programmes	27
Faculty exchange programme	01
Staff training conducted by the university	285
Staff training conducted by other institutions	119
Summer / Winter schools, Workshops, etc.	304
Others	10

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	2330	Nil	Nil	Nil
Technical Staff	2055	Nil	Nil	Nil

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- IQAC is compiling and preparing report for research activities carried out by the Faculty members, such as national and international level publications in journals, publication of books, presentation of papers in national and international level conferences/seminars etc. It also gets 360 degree forms, Proforma for Academic Audit consisting above details from each faculty. It enables faculty members for their self evaluation and improves their research quality.
- Functioning of Department Research Committee
- Periodical Conducting of Research Review Meet to assess the Ph.D Research work
- The IQAC has taken several initiatives in sensitizing and promoting research climate in the institutions.
- By assigning weightage to various aspects of research such as publication in journals with impact factor, publication in other journals participation in seminar /conferences, paper presentation in seminar/conferences, Ph.D guidance, M.Phil., guidance, projects etc the IQAC has promoted research climate in the institutions.
- It has motivated the faculty members to concentrate on research aspects also besides teaching and learning. Promotion of research in institutions also paves the way for innovations and development.
- Research training and methodology workshops are conducted periodically
- Encouragement and Motivation to get UGC – SAP Grant / DST – FIST Grant by more Departments and Faculties
- Publishing In-house National journals and International journal
- Data analysis workshops
- Entrepreneurship awareness camps catering to all students of the university

- Faculty freedom and motivation to bring in more consultancy projects
- Staff members are motivated to undertake inter-disciplinary research, both minor as well as major and involve PG scholars as well, so as to provide them with fellowships during their period of study.
- Title submission meeting with Expert members of the specialization area
- Research progression session is held every year to assess progress of research
- Pre-Submission meetings are held before submission

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	243	142	16	12
Outlay in Rs. Lakhs	2058.45	3723.68	587.08	86.08

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	29	33	11	1
Outlay in Rs. Lakhs	76.35	94.56	51.12	1.25

3.4 Details on research publications

	International	National	Others
Peer Review Journals	1016	290	--
Non-Peer Review Journals	139	108	--
e-Journals	49	201	--
Conference proceedings	172	256	32

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (in lakhs)	Received
Major projects	1 to 5 years	UGC, DST - SERB, ICSSR, IFAD, ICMR, DBT, SAC, MOES, MOENF, ISRO, NRSC and other Government Funding Agencies	1246.59	
Minor Projects	3 months to 3 years	Private Funding Agencies	357.02	
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	--	--	--	--
Students research projects <i>(other than compulsory by the University)</i>	3 months	TNCST	--	--
Any other(Specify)	--	--	--	--
Total	-	--	1603.61	--

3.7 No. of books published i) With ISBN No. Chapters in Edited Books
 ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	10	57	--	6	2
Sponsoring Agencies	UGC	UGC-SAP,SPC,AICTE, DST,MOES,ONGC BRNS,ICMR,AERB, UGC-DST, ICSSR, NABARD,TANSCH	--	UGC - XII Plan	--

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	4
	Granted	1
International	Applied	1
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
43	8	32	4	2	2	0

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

810

1317

3.19 No. of Ph.D. awarded by faculty from the Institution

508

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF 56 SRF 13 Project Fellows 52 Any other 57

3.21 No. of students Participated in NSS events:

University level 4150 State level 10

National level 12 International level 02

3.22 No. of students participated in NCC events:

University level 60 State level 30

National level 28 International level --

3.23 No. of Awards won in NSS:

University level -- State level --

National level 36 International level --

3.24 No. of Awards won in NCC:

University level 4 State level --

National level 3 International level --

3.25 No. of Extension activities organized

University forum 31 College forum 24

NCC 9 NSS 74 Any other 160

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- ✓ Organised the Sensitization programmes for women students on their rights.
- ✓ Students participated in the awareness programme related to political participation.
- ✓ Blood donation, Environment Awareness Campaign, Planting of Trees, Oath on Anti-Dowry & Anti-Tobacco, Rural Development activities.
- ✓ Innovative Rural Extension, Village Adoption
- ✓ Planting of saplings in honour of the former President Dr. A.P.J. Abdul Kalam on his first Anniversary.
- ✓ Initiative taken to make the University premises as Plastic free zone and Tobacco Free
- ✓ Rally conducted to save and plant trees to provide more water and to stress the importance of wearing helmets
- ✓ UGC-SAP Sponsored Seminar cum Awareness and Screening Programme on Cardiovascular diseases, Cancer and Diabetes Mellitus-2017 (CCD-2017) in Collaboration with Rajah Muthiah Medical College and Hospital (RMMC & H) on 27.03.2017
- ✓ International Womens Day celebrated on 08.03.2017 at CAS in Marine Biology
- ✓ Centre for Speech and Language Disorders is functioning as an extension work in CAS in Linguistics from August 2006.
- ✓ Assessment and Intervention are being provided to the following Category of Disorders like Autism, Learning Disabled ,Developmental Delay, Stammering ,Mentally Retarded, Developmental Delay ,Cerebral Palsy
- ✓ Psychological interventions for slow learners and special Children
- ✓ Promoting Health under UGC XII Plan held on 28th -29th Dec 2016.
- ✓ Environmental awareness camps.
- ✓ Student actively participate in mass education programmes, Health exhibition, health camps, school health programme, health education programme. All these programme were conducted periodically (monthly) in rural areas.
- ✓ Actively participated in pulse polio and mapping programme in two slots and also participated in enumeration survey work along with public health sector health team.
- ✓ The “Farmers Day” which is organized every year in the Faculty of Agriculture. An exhibition is arranged during farmers’s day with the various agro industrial products.
- ✓ The Faculty of Agriculture organized an unique Entrepreneurship Development Programme (EDP) for 10 days on “Establishment of Agri Business management (ABM) Centre” to 25 unemployed agricultural graduates funded by Tamil Nadu State Council for Science and Technology, Chennai.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	15,42,939.06 sq.ft	Rest Room	RUSA	--
Class rooms	70,363.98 sq.ft	--	--	--
Laboratories	98,726.04 sq.ft	2nos. – (154.25 lakhs)	DST- FIST,UGC	--
Seminar Halls	8,555.75 sq.ft	Smart Class Rooms – 8 Nos.	RUSA, UGC- SAP	--
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	Computers-84 Laptop-2 Printer-2 LCD- 7 Camera-1 Handicam-1, and 18 more.	HP Laserjet 1020 printer 3 nos. HP 15- AY 08964 Laptop 1 no LCD-2 (7-under repair)- 4	DST- FIST,UGC, UGC XII Plan and DST- PURSE	121 nos (Existing and New).
Value of the equipment purchased during the year (Rs. in Lakhs)	9.63 lakhs	HP Laserjet 1020 printer 3 nos. – (Rs. 27428 /-) HP 15- AY 08964 Laptop 1 no. - (Rs. 23809 /-) -- 4.26 lakhs	XII Plan Grant, UGC, UGC XII Plan	13.89 lakhs
Others	--	0.10 lakhs	University	0.10 lakhs

4.2 Computerization of administration and library

1. Introduction of Online application to all the Programmes.
2. Provision to view and download Pay slip of the Staff(both on roll and pensioners).
3. Web based Biometric Attendance System.
4. Web based counselling for the Professional courses.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	168950	--	5183	--	174133	--
Reference Books	46599	--	1128	--	47727	--
e-Books	621	--	5251	--	5872	--
Journals	9930	--	149	--	10079	--
e-Journals	9575	--	9454	--	19029	--
Digital Database	214	--	25	--	235	--
CD & Video	1105	--	127	--	1232	--
Others (specify)	4761	--	41	--	5611	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	10	--	12	--	--	--	--	01
Added	20	--	120	--	--	--	--	01
Total	30	--	132	--	--	--	--	02

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

1. Revamped University Website with dedicated portals for stakeholders and services for seamless browsing.
2. Wi-fi facility to all the 19 hostels, Surveillance cameras for enhanced security.
3. Student Attendance and Internal Assessment marks on the Student Portal.
4. Installation of Point-to-Point Networking for Faculty of Marine Sciences at Parangipettai.

4.6 Amount spent on maintenance in lakhs :

i) ICT

40.18

ii) Campus Infrastructure and facilities

57.07

iii) Equipments

82.03

iv) Others

552.4

Total :

731.7

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Remedial coaching is organized for UG students
- Ward-Counsellor system (Mentor-Mentee) is operating for the benefit of UG and PG students
- Student's grievance redressal mechanism helps to solve the problems and to support the students
- Placement cell organises campus interviews.
- Intending students who wish to appear for competitive examinations like ICAR junior fellowship, NET etc., are guided through special lectures and coaching classes conducted from January to April
- ICT enabled iDEA sharing initiative
- Counsellor committee
- Mass health check-up committee

- Student welfare measures committee
- Student help committee
- Anti-Ragging committee
- Safety & security squad committee
- Training and placement committee
- Periodical workshops conducted
- Regular update in University web-site for circulating necessary information.
- Student support services were designed under the IQAC observation.
- Meetings are conducted to sensitize students on women harassment, Anti-Ragging activities and gender bias.
- Department maintains the students records, consolidates students attendance and displays the details through university website every 15 days.
- Besides, it conveys the details to Mentor with a view in motivating the mentees to attend the classes regularly.

5.2 Efforts made by the institution for tracking the progression

- ✓ Student Mentors conduct the meeting periodically and enquire their performance in the mid semester and final university examinations and guide them to score higher marks.
- ✓ Regular counseling through research guides
- ✓ Periodical review by the advisory committee of the Post graduate students
- ✓ The transparency of internal assessment scheme was well appreciated by students & parents.
- ✓ Curriculum is updated whenever required
- ✓ Assignments, Students' Seminars
- ✓ Internal Assessment Tests (Objective and Descriptive Type Questions)
- ✓ Diagnostic Testing and Remedial Teaching
- ✓ Committee work, Presentation and Discussion
- ✓ Assignments based on Field Work.
- ✓ Efforts are made to strengthen the alumni association
- ✓ Collection of data base is in process to track the progression
- ✓ Infrastructural development is also undertaken through UGC and other project grants as per the needs of the institution.
- ✓ The University encourage the students of final years to continue their higher education
- ✓ Progression tracked though continuous assessment and tutorials
- ✓ Conducting Research Circle Meeting on every Friday.
- ✓ Conducting Lectures through Linguistics Association throughout the year.
- ✓ Conducting Spoken English Classes for every day one hour to enhance the communication skill
- ✓ Regular feedback from students
- ✓ The slow learners are then identified based on their performances in the class, marks scored in midterm tests and semester exams, and appropriate coaching classes are arranged for getting good marks.
- ✓ The mentors in discussion with the head of the department invite the parents of those students who are found to be irregular, possessing poor performances.
- ✓ Maintains the student's database.

5.3 (a) Total Number of students

10562

(b) No. of students outside the state

811

(c) No. of international students

236

	No	%		No	%
Men	2677	61.24	Women	1694	38.76

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
731	3066	128	2084	12	6021	595	3337	107	2704	13	6756

Demand ratio

Dropout %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- ❖ Coaching classes to write NET, ICAR, ARS exam and other competitive exams are conducted for the benefit of UG and PG students.
- ❖ Coaching given for competitive examinations like, TNPSC, Banking Service.
- ❖ Coaching classes are conducted weekly for the Indian Council of Agricultural Research Junior fellowship examination.
- ❖ Five students got ICAR placement
- ❖ ICAR Post Graduate all India Entrance Examination coaching class for Final B.Sc(Ag) Students
- ❖ Guidelines were provided to students of all categories for their improvement in competitive examinations like NET, SLET, TNPSC, UPSC and other Competitive Exams
- ❖ Separate competitive examination cell is functioning at the University level
- ❖ Coaching for GATE was carried out.
- ❖ UGC, CSIR, NET Coaching classes has been organized regularly.

No. of students beneficiaries

200

5.5 No. of students qualified in these examinations

NET	<table border="1" style="display: inline-table;"><tr><td>37</td></tr></table>	37	SET/SLET	<table border="1" style="display: inline-table;"><tr><td>28</td></tr></table>	28	GATE	<table border="1" style="display: inline-table;"><tr><td>6</td></tr></table>	6	CAT	<table border="1" style="display: inline-table;"><tr><td>--</td></tr></table>	--
37											
28											
6											
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IAS/IPS etc	<table border="1" style="display: inline-table;"><tr><td>--</td></tr></table>	--	State PSC	<table border="1" style="display: inline-table;"><tr><td>4</td></tr></table>	4	UPSC	<table border="1" style="display: inline-table;"><tr><td>1</td></tr></table>	1	Others	<table border="1" style="display: inline-table;"><tr><td>72</td></tr></table>	72
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4											
1											
72											

5.6 Details of student counselling and career guidance

- The students are given guidance on their academic and career development.
- The students are motivated to take up competitive exams / higher education.
- Special lectures by experts are arranged for students on career guidance for the final year.
- The prospects of planning a career on various platforms are explained to students so as to facilitate them to decide on their career.
- Counselling for the students belonging to all the programmes are incorporated in the curriculum itself.
- For proper guidance to the students, each student is guided by a Mentor
- A counseling hour is included in the time-table itself and the class in-charge staff will be discussing with students in that period regarding their academic deficiencies.
- Head of the Department also visits each and every class once in a week to address the students.

- There is a separate students' counselling cell in every Faculty of Study in the University.
- The cell is managed by a Professor.
- The cell has the objective to spot such students after screening process and counsel and encourage them so that they are elevated from their depression and able to join the main stream without any loss of time.
- The counselling will be offered by taking up the help of staff from departments like Psychology, Psychiatry etc.
- The council will monitor the students even after counselling and will be in touch with parents, and will take step to avoid recurrences.
- Lady staff members are allotted to act as women counsellors for the women students every year.
- To improve general skill of the student, some training programme has been arranged by inviting experts from outside the Department.
- Invited lectures by reputed person
- Research forum
- Equal opportunity cell
- Students' grievances redressal forum

No. of students benefitted

150

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
143	3264	2000	12

5.8 Details of gender sensitization programmes

Gender Sensitization Programme for the Freshers (2016-2017)

Annamalai University has organized the Gender Sensitization Programme for the Students for this academic year 2016-2017 in the light of the Supreme Court Guidelines on Vishaka Case Judgement, the Sexual Harassment of Women at Work Place (Prevention, Prohibition and Redressal) Act, 2013 and SAKSHAM Guidelines of the UGC.

The complaints committee successfully conducted the training programme on gender sensitization for the first year students of each Faculty of study as given below. The programme helps to maintain gender based equality, harmony, peacefulness and healthy working environment for women in the University.

Table 1 Programme Schedule – 2016 - 2017

S.No	Date	Faculties	Students Strength (Male & Female)	Time	Resource Person
1.	15.02.2017	Inauguration - Faculty of Arts	1060	10.00.a.m. to 12.00.p.m.	Dr. P. Sakthivel Associate Professor Dept. of Pol.Sci&Pub.Admin, Annamalai University
2.	16.02.2017	Faculty of Science	914	2.00.p.m to 4.00.p.m	Dr. P. Sakthivel Associate Professor Dept. of Pol.Sci&Pub.Admin, Annamalai University
3.	17.02.2017	Faculties of Indian Languages, Education & Fine Arts	790	2.00.p.m to 4.00.p.m	Dr. S. Sivarajan Assistant Professor Pol.Sci&Pub.Admin Wing, DDE, Annamalai University
4.	18.02.2017	Faculty of Agriculture	1247	2.00.p.m to 4.00.p.m	Dr. S. Balamurugan Assistant Professor Dept. of Pol.Sci&Pub.Admin, Annamalai University
5.	20.02.2017	Faculty of Engineering & Technology	927	2.00.p.m to 4.00.p.m	Dr. S. Sivarajan Assistant Professor Pol.Sci&Pub.Admin Wing, DDE, Annamalai University
6.	21.02.2017	Faculty of Marine Sciences	135	2.00.p.m to 4.00.p.m	Dr. S. Balamurugan Assistant Professor Dept. of Pol.Sci&Pub.Admin, Annamalai University
7.	22.02.2017	Valedictory - Faculty of Medicine & Dentistry	525	2.00.p.m to 4.00.p.m	Dr. P. Sakthivel Associate Professor Dept. of Pol.Sci&Pub.Admin, Annamalai University

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount (in Rs.)
Financial support from institution	316	28,90,912
Financial support from government	18800	40,77,38,034
Financial support from other sources	--	--
Number of students who received International/ National recognitions	--	--

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: --

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

- Our vision is to “Reach the unreached” and provide them quality higher education.
- To promote educational programmes in various disciplines with synergistic interaction with rural masses, industry and society.
- To give equal opportunity to women students and weaker students in order to prepare them to be effective citizens and leaders.
- To contribute the advancement of knowledge through research and publications leading to knowledge products.
- To create awareness among students of their duty to their countries and fellow human beings
- To prepare students for social transformation with commitment to justice and equality

Mission

- Our University strives to fulfil the needs of the rural masses/women and weaker sections of a backward district namely Cuddalore, Tamil Nadu by designing the teaching, research and extension programmes accordingly.
- We aim at developing citizens with knowledge, skill and character contributing to national development in consonance with our motto “With Courage and Faith”.
- We strive to offer selfless service for the growth of the country and people.
- We aim at generating socio-cultural wealth that will sustain support to and participation of the neighbourhood community in development.

6.2 Does the Institution has a management Information System

- Preparing student data base for various purposes (Roll Numbers wise, medium wise, special fields-wise lists, etc).
- Creating e-mail groups and SMS groups for dissemination of information.
- Uploading the syllabi of all the programs on the website.

- Compiling power point presentations made by students subject wise.
- Preparing IQAC reports, Seminar Proceedings and other Reports.
- College has Information Management System as per the guidelines given by Tamil Nadu Nurses and Midwives Council, Chennai and Indian Nursing Council, New Delhi.
- Students admission, Student on roll, Teaching faculty details, college facilities, examination results are uploaded periodically.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- The curriculum development is done by the Board of Studies constituted by the University.
- The Board ensures that the global trends in higher education are incorporated in the curriculum development and design.
- The opinions of the experts on various fields and feedback from the students are incorporated in the designing of the curriculum so as to cater to the need of the experiential learning including practical and work experience.
- The rules of the ICAR/SAU is adhered in restructuring the curriculum.
- Credit based semester system is followed.
- The value added courses are introduced in the curriculum design to develop multi skills and to offer career training through agro industrial training programmes.
- The curricula and syllabi for U.G and P.G. programme are designed as per ICAR guidelines and also taking into consideration of State Agricultural University pattern with certain amount of flexibility in courses to suit regional requirements.
- Curriculum is designed by adhering to the guidance of the ICAR and state Agriculture University
- Alumni and Industry experts representation in BOS
- UGC Common framework as a basis
- Need based courses designed to enhance employability
- Latest reference and text books are suggested in curriculum through BOS
- Self-employability exposure
- Changes in Industrial scenario is considered in Curriculum revision
- Freedom of Faculty in curriculum revision
- Board of Studies, Academic Audit, Semester Examinations come under the Curriculum
- While designing the curriculum the needs and expectations of the stake holders, policies of the government regarding recruitment are taken in to consideration.
- Innovations of the curriculum are made after analyzing the curriculum of the various institutions at global level and national level.
- Areas of research are mainly in accordance with the current trends as well as the thrust areas chosen by the department. The components of the thrust areas are included in the curriculum of the B.Ed., M.Ed., and M.Phil. The topic of research is discussed in length and breadth by the faculty members in the research forum and it is being finalized.
- Promote skills in teaching, management, interpersonal relations and communications.
- Practice ethical values in their personal and professional life.
- The university follows a systematic process in the design and development of the curriculum. The college council formulates the goals and objectives, and develops curriculum based on the needs of the students and the community.
- Several significant actions taken and reforms made to improve the curricular aspects of the department, keeping in view the ever-changing global higher education scenario, without sacrificing the local needs.
- The spirit of National Education Policy, industrial requirements and local needs were considered while introducing new courses and reviewing the existing courses.
- 'Academia' of the university ensured that the curricula of various courses revised once in 3 years

- The curriculum is designed fully adhering to the guidelines of the UGC and other national (ICAR, ICMR, AICTE, etc.) and state academic organisations.
- The Choice Based Credit System (CBCS) provides flexibility to introduce innovative and interdisciplinary programmes and revise the syllabus in tune with changing demands of the industry and society.
- A minimum of 90 credits is prescribed of which 70 are for core courses, 16 for optional / electives and 4 credits for soft skills such as computer, communication skills and personality development.
- Revision/Update of syllabi is carried out once in five years to keep in tune with the technological advancements.
- New elective subjects are offered to address the emerging challenges.
- It is designed to educate the students to face competitive examinations with a fair level of confidence.
- In 2016-2017, curriculum for Ph.D. were revised and approved by members of the Board of Studies on 06.10.2016.

6.3.2 Teaching and Learning

- ✚ Apart from the classrooms lectures, the students are exposed to field experiences by conducting outdoor classes to FCI, CWC, TNCSC, cooperative banks, commercial banks, regulated markets, private agro industries, NABARD, DRDA, integrated farms, EXIM bank, insurance, agro processing industries units, agri-export units, NGOs and markets etc., as a part of their practical curriculum.
- ✚ Teaching with Multimedia.
- ✚ Power-point projections for all courses
- ✚ Quiz programmes.
- ✚ Necessary changes are made according to feedback received from students and alumni.
- ✚ Guest lectures for special topics are arranged from curriculum and recent trends.
- ✚ Well-stocked library provides all necessary reading materials for both faculty and students.
- ✚ Faculty Development Programmes and Quality Improvement Programmes are conducted at regular intervals to enhance teaching-learning process.
- ✚ Peer & expert reviewed Lesson plan is created for each course
- ✚ Computer aided and participative teaching methodology is used
- ✚ Usage of Non-lecture methods
- ✚ Centralized Infonet facility and Wi-Fi facility available
- ✚ Leader lecture series schedule prepared at the beginning of academic year
- ✚ Real time business lab created to train students
- ✚ Market Simulation Event to develop Entrepreneurial skills
- ✚ Experiential Learning -
- ✚ 40 hrs Small and Medium Enterprises exposure (Mandatory)
- ✚ 45 days specialization based major project (Mandatory)
- ✚ Field Visit - Archaeological sites/ Temple Visit
- ✚ Computer-based learning
- ✚ ICT – Documentary Films, Edited Speeches of Nationalists
- ✚ Extension Activity – Co-Curricular Activity
- ✚ News Paper Clippings, Slides
- ✚ Epigraphical Documents
- ✚ Five phase teaching model is used for teaching the concepts in different subjects.
- ✚ Every year academic calendar is prepared at the beginning of the year by the college council. Time tables, master rotation plans and clinical rotation plans are prepared in advance and discussed with the students.
- ✚ Course outlines and course schedules, tests schedule & model exams schedule are prepared in advance prior to the commencement of the academic session. Lessons are completed in time. Students learn clinical procedures during clinical postings. Students complete patient care requirements in time as mentioned in log book.
- ✚ Innovative teaching approaches adopted : Use of LCD, power point, video presentations, E-

learning, mobile education and simulations are increasingly used for teaching and learning. Journal club, research critique are conducted periodically. Students showed more interest in learning. Teachers evaluation by students revealed that the above approaches are more useful for learning.

- ✚ Preparation of computer-aided teaching/ learning materials: Computers are available in each division of the department. Computer programmers and technicians are available for helping teachers in the preparation and utilization of computer aided teaching materials
- ✚ Educational audio and video CDs are available.
- ✚ OHP is provided in class rooms to aid the teaching-learning process
- ✚ Continuous Internal Assessment includes mandatory assignments, seminar presentations, and project work in all courses.

6.3.3 Examination and Evaluation

- ✓ Continuous Internal Assessments
- ✓ Seminars and assignments to be submitted periodically.
- ✓ Comprehensive continuous evaluation
- ✓ Mock Viva and interview
- ✓ Transparency maintained throughout the process
- ✓ Feedback collected at the end of the programme
- ✓ Fully computerised – OMR coding answer sheets
- ✓ Evaluation under camera surveillance
- ✓ A continuous students' evaluation on their academic performance is made by the course teacher concerned through conducting classrooms tests, quiz, mid semester exams, final practical and theory examinations.
- ✓ The students are well exposed about the examination and evaluation pattern as per the guidance given in their syllabus book.
- ✓ The central evaluation in UG and double evaluation in PG is conducted with both internal and external examiners for evaluating the answer scripts.
- ✓ Counselling academically weak students, continuous evaluation of students by monitoring their regularity, punctuality and commitment to work.
- ✓ Systematic evaluation will be done by the UGC.
- ✓ Evaluation methods such as assignments, class tests, seminars through power point presentation etc., are followed.
- ✓ The controller of Examinations, Joint Controller and Deputy Controllers ensure smooth conduct of examinations
- ✓ Barcode system is followed and OMR sheets are provided to students for examination
- ✓ Results are published at the earliest especially for the outgoing students so as to facilitate them to plan their career.
- ✓ Examination are conducted by the University and the results are declared within 15-30days after examination
- ✓ Periodical class test
- ✓ Attendance particulars, Mid-term test Marks are communicated to the parents.
- ✓ Examinations are conducted twice in an academic year.
- ✓ The internal assessment tests: Mid semester for examination are organised twice in a semester covering two units / course for the first internal and three units / course for the second internal (20 marks for each unit).
- ✓ The overall internal marks 25 for each paper will be calculated for the first year students by totalling assignment marks (out of 5 marks) and two internal tests marks (out of 20 marks).
- ✓ For the final year students, internal marks 25 will be calculated from the two internal tests (15 marks), assignment (5 marks) and seminar (5 marks).

- ✓ For the written exam, the question paper contains essay type to test analytical skills and problem solving as well as the ability to write descriptive answers in a logical sequence.
- ✓ Supervised written examinations are conducted for theory papers.
- ✓ Practical examinations are conducted by Internal and External Examiners in various laboratories.
- ✓ Examinations are conducted for Ph.D research scholars after one year of their admission.
- ✓ The Ph.D thesis reports are evaluated by Indian and Foreign experts and open viva -voce is conducted.

6.3.4 Research and Development

- Staff members are encouraged to submit project proposals to various funding agencies in India and abroad and their proposals (technical and financial report) are sent to the concerned agencies without delay.
- The research activities in the university are co-ordinated by Director of Research.
- Emphasising at least one project per faculty
- Stressing on research publications in reputed journals
- Minor Research Projects are supported by the University.
- A separate cell called the GUCC (Grant utilization coordination committee) monitors research activities of the University.
- The staff are motivated to present and publish research papers at national and international level.
- Special Casual leave is granted for attending research conferences.
- Workshops on research methodology are conducted at regular intervals.
- Best Researcher award is given on Teachers' Day for one staff member from each Faculty
- We have separate Research Committee in order to ensure quality of research work carried out
- The faculty members are publishing their research works in various referred international/national journals.
- Major thrust areas of Research include Temple Studies, Social History, Indian Freedom Movement, Human Rights, Women Studies, Subaltern Studies, Environmental Studies
- The Doctoral Committee assesses the research performance of the each scholar
- The Research Committee evaluates the scholars' attitude through written and oral tests.
- Concentration in publications, Presentations in conferences and Seminars
- Exchange of Ideas among faculty members through discussion and debates.
- The faculty members of the Department are well qualified and more than 90% staff members are Ph.D holders. The rest of the 10% of the faculty members are currently pursuing their Ph.D programme under part time mode. They have been very well motivated to involve themselves in various kinds of research activities.
- We have a Research Forum which periodically meets and discusses the current problems in Educational Research.
- Since Dissertation is a compulsory component at M.Ed level the research topics for M.Ed students will be finalized in the basis of the deliberations of Research Forum. Doctoral committee will approve the topic of research at Ph.D level.
- Science and Engineering Research Board (SERB) (A statutory body under Department of Science and Technology, Government of India [DST])
- University Grants Commission support for the Major Research, New Delhi
- Indian Council for Medical Research, New Delhi
- The research policy of the University has been very strong and has created a very conducive environment for research at departmental, faculty, research student and student levels, besides encouragement for pursuing research through intra-institutional and inter-institutional levels.
- The University has extended support for availing funding resources from national agencies, governmental, corporate and industrial sectors, besides its own funding support for student research.

- The Research and Development Cell (R&D Cell) has been constituted by the University under the Chairmanship of a noted academician, researcher and administrator.
- This committee consists of seven external experts who are well known researchers/ Revised Guidelines of IQAC and submission of AQAR.
- The Committee meets twice a year to address various issues related to research.
- The objective of the Committee is to motivate and promote research activities in the University.
- The Committee periodically takes stock of the progress made in research and analyses the same.
- The Committee then suggests ways and means of promoting and monitoring quality research.
- Setting up of research labs (Speech lab, Network lab etc.,)
- The University with its vibrant R & D Cell focuses on technical expertise that has constantly been on a growth trajectory.
- The research and consultancy activities have helped attract substantial funding from a wide spectrum of national and international agencies, established collaborations with prestigious research institutions, foster academy industry interactions, addresses issues of social and national importance.
- Many faculty members serve on the editorial board of journals as editors and referees.
- The Ph.D. scholars regularly monitored through Research Committees and are required to publish minimum 2 research papers in the area of their research before submission of the thesis.
- Scholars were motivated to take Ph.D research that are useful to society, practical applicability which fetch funds from various agencies. Department level Doctoral research committee
- Latest text books on crop ecology, Weed Management, Agro-climatology, Crop production technologies, Agro-Forestry and sustainable Agriculture etc were purchased and kept as reference materials.
- Seminar papers and term papers were bound as hard copies and kept as reference materials.
- Multiple copies of latest books in Agronomy were purchased.
- State of the art Taxonomy and Toxicology labs.
- A Hi tech class room for PG teaching along with LCD projectors has been established in various faculties.
- Physical verification of books instruments glassware's, and chemicals done by every years
- Advanced laboratory facilities and updated books and a well stacked library is available.
- ICT based instruments and computers are purchased and used for computer Labs.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- University provides Internet and Wi-Fi connections along with CCTV surveillance.
- ICT enabled iDEA sharing initiative
- Film clips for teaching Management concepts
- Lab and Library sessions periodically scheduled
- Net connection HUB is provided in the computer lab
- Subscription of many reputed journals pertaining to all streams of Management
- Ten minute business news round up from Business news papers every day
- Library automation, Institutional Repository
- Content management system for e-learning
- Participation in resource sharing networks/consortia (like INFLIBNET)
- The University plan and ensure adequate availability of physical infrastructure by consulting the Head of the Departments for the required physical facilities and its utilization
- Appointing committees and executive members for planning & evaluation
- Conducting regular meetings to discuss about the progress
- The user can access the library by using library cards and personal computer where the library software is installed. A separate room is allotted for library and the reading room also comes in the library itself. The security aspects are handled by the separate staffs attached to the library.
- The facilities available in the library are computer, Internet and reprographic facilities.

- Classes are conducted using LCD projectors, OHP's.
- Internet facility is provided to students and teachers.
- Virtual class room facility is currently made operational in the DDE Computer- based Tutorials (CBT) are prepared for all subjects
- Providing open access to internet and computers for students.

6.3.6 Human Resource Management

- ❖ Staff are vested with responsibilities in the form of committees to coordinate various activities
- ❖ Finance Mobilization through Alumni
- ❖ Bio-Metric recording of staff attendance
- ❖ Empowerment of faculty members to organize seminars, conferences, workshops, FDP's etc.
- ❖ Motivation by giving cash award for producing 5 Doctorates
- ❖ Recognition by management by awarding Best Teacher and Best Researcher Awards annually
- ❖ Imparting skill to shoulder Indian rural projects
- ❖ Organizing faculty development programs for the teachers and non teaching staff, Providing opportunity for the faculty members to complete the orientation and refresher courses
- ❖ Mentoring the faculty members to write research proposals for grants and to present papers in seminars and conferences
- ❖ Providing autonomy in functioning to develop leadership skills among the staff members
- ❖ Orienting the teaching faculty for their further promotions in their career
- ❖ Encouraging the teaching and non teaching staff to pursue higher studies
- ❖ Encouraging self-appraisal and providing constructive feedback.
- ❖ Decentralisation for effective functioning is practiced. Committees are formed for academic activities and for student's welfare.
- ❖ The members of the faculty are encouraged to participate and present papers in the National and International forums.

6.3.7 Faculty and Staff recruitment

- Faculty Improvement programmes were conducted periodically
- Staff position as per UGC/UNIVERSITY norms
- Board of selection consisting of Government nominee, 2 subject experts, UGC nominees etc
- Based on the DCI guidelines the staffing pattern is followed and whenever vacancy arises steps are initiated to fill up the same.
- Members of the faculty are selected through an interview by the Board of Selection comprising of the experts from the relevant field, Vice Chancellor, Registrar, Dean of the Faculty and a Government nominee.

6.3.8 Industry Interaction / Collaboration

- ❖ Collaborating with IRRI –Philippines in screening submergence tolerant rice cultivation
- ❖ Department acts as a nodal centre for DRR, Hyderabad and DOR, Hyderabad
- ❖ Alumni working in various industries were roped in to deliver talks on requirements of industries
- ❖ Active placement Cell ensures maximum recruitments in industry through industry-institute interactions held at regular intervals.
- ❖ Fertilizer Industry Experts are invited to take workshops for aspiring students.
- ❖ “Alumni Meet” is held every year for exchanging innovative ideas and information.
- ❖ MoU with Neyveli Lignite Corporation, Chair of Madura Coats.
- ❖ Students do internship at Axel Ltd Mysore.
- ❖ Industry Institute Partnership cell - Industrial Survey, Leader Lecture series, Industrial visits as a part of Student enrichment programme, Special lectures were organised with external experts of varied fields.
- ❖ Industry institute programs, Entrepreneurship cell
- ❖ B.Sc. (N) Students go for specialized clinical training to
 - Institute of Mental Health, Chennai
 - Government Hospital, Chidambaram

- Observational visit to PHC, sub centers, etc.
- ❖ M.Sc. (N) Students go for specialized clinical training to
 - International Cancer centre, Neyoor
 - Front line hospital, Chennai
 - DBT – BIRAC, New Delhi
- ❖ The University has established tie-ups with the following Institutes in the field of Materials Processing and Industrial Engineering:
 - National Institute of Interdisciplinary Science and Technology (NIIST), Trivandrum
 - Welding Research Institute (WRI), Tiruchirappalli
 - Indira Gandhi Center for Atomic Research (IGCAR), Kalpakkam
 - Defence Metallurgical Research Laboratory (DMRL), Hyderabad
 - Defence Research and Development Organisation (DRDO), New Delhi
 - Combat Vehicles Research & Development Establishment (CVRDE), Avadi, Chennai.
 - TTK Industries, Chennai
 - Field trips and hands on training are arranged in the Fish / Prawn culture, Poultry farm, Apiculture and Sericulture farm

6.3.9 Admission of Students

- PG students are admitted through entrance test and interview.
- Students are admitted on the basis of roaster and merit. However priority is given to Physically challenged and women students.
- Strictly on the basis of merit
- Students join the institution by common counselling process after entrance exam for PG's & based on merit for UG's.(Ranking list)
- M.Ed- Entrance exam , Interview
- B.Ed- Through Counselling
- Special Quota for Sports persons, physically challenged, etc.
- The admission to Professional degree courses such as Engineering, Medicine, Dental, Agriculture and other allied courses are on the basis of marks in the qualifying examinations (HSC or equivalent) following the Tamilnadu admission in Professional Educational Institutions Act, 2006 (Act 3 of 2007).
- The applications received were sorted out based on the course applied by the candidate.
- All the fields in the applications were entered on to the computers and a database is created for further processing.
- After receipt of the applications, random number will be generated and following the rules of reservation of Government of Tamilnadu, the candidates were ranked.
- The ranked applicants were intimated vide counselling call letters (counselling schedule were published in the University website) to attend counselling.
- Based on the availability and choice of the candidate, seats will be allotted.
- For all other courses based on the eligibility conditions the candidates will be called for interview or written test as the case may be and following the rules of reservation seats will be allocated.
- Phone grievances regarding admission were attended by a group of dedicated staff members operating on 8 dedicated lines attending to an average of 75 calls per day per line.
- Entire data processing is done in-house by the Annamalai Innovation Center (AIC) of the University.
- To ensure publicity and transparency in the admission process, admission to the various programmes of study are advertised in leading newspapers in English and Tamil, also through the media.
- Further information regarding the admission process is posted in the University website.
- The University authorities review the admission process annually for modifying the eligibility criteria as per government norms, if any.
- Based on marks and communal reservation admissions are made for PG programmes

- The selection of candidates for Two Year courses and Integrated courses is based on marks scored by the candidates in the UG Degree and 12th std. respectively.
- A merit list is prepared following the reservation norms of the Tamil Nadu Government.
- Programmes specific cut -off marks are generated based on the number of applicants and waiting list is also prepared. The students are duly intimated and called for admission.
- M.Phil. and Ph.D. admissions are also based on the marks scored by the candidates in the entrance test with interview and marks scored by them in the qualifying degree examination (PG/ M.Phil. Degree).

6.4 Welfare schemes for

Teaching Staff	Staff recreation club, complaints committee against sexual harassment, yoga centre, IQAC Short Term Training Programme, Sexual Harassment Cell, The university offers P.F loan, Festival advance and facilitates Personal loan through Bank, Concessional medical treatment is provided in the Rajah Muthiah Medical College of Annamalai University for all Teaching and Non-Teaching staff members of department. Students are provided with free treatment in the above hospital, Medical Allowance is paid to all the staff members, For major diseases like Cancer, Cardiac problems, neurological disorder etc. for which facility is not available in RMMCH, staff members can avail the facility of treatment in major sophisticated approved hospitals in Tamilnadu, for which 85% of the total cost is reimbursed by the University.
Non - Teaching Staff	Staff recreation club, yoga centre, Health insurance scheme implemented, Staff Development Training Programmes, Tuition fee concession has been granted up to two children of the university Non - Teaching staff.
Students	Mineral water plant, Anti-ragging committee, yoga centre, Grievance cell formed, Hostel welfare committee formed. Students club established, Research Methodology Workshop. Free medical & dental treatment for all students., Scholarships, Grievances redressal cell, Student welfare cell, Sexual Harassment Cell, Anti-ragging Committee, Free Education scheme for students from economically weaker section, Award of Rajiv Gandhi Fellowship for Ph.D scholars, Award of PG Merit Scholarship for University Rank holder, Anveshan: Student Research Conventions-Project proposals from Research Scholars-RDC, AU, Coaching classes for SLET, NET, IAS & IPS (TNPSC & UPSC), Free medical treatment is provided to all the students in the Rajah Muthiah Medical College of Annamalai University.

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes		Yes	
Administrative	Yes		Yes	

6.8 Does the University/ Autonomous College declares results within 30 days?


For UG Programmes Yes No

For PG Programmes Yes No



















6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Pre course Registration, Cashless Transaction., NAD and Online examination fee payment
- Surprise visits of University Squad Team are happened in college at regular intervals.
- Barcode system is followed and OMR sheets are provided to students for examination
- Results are published at the earliest especially for the outgoing students so as to facilitate them to plan their career.
- Photocopy of answer sheets
- “Supplementary Examination” has also been introduced along with the policy of “no detention” in Examination.
- Digitalized the mark sheet printing with photo identity of the candidate, migration & provisional certificates, enrolment registers.
- At the time of enrolment Photographs are captured and put in database.
- In-house printing of degree through software and in-house lamination of degrees already in place.
- Improvement and re-totalling done on the base of students queries
- Question papers are set by paper setters from outside the state.
- External examiners are chosen from a panel (1 with in state & 1 outside the state) for PG exams.
- Answer sheets are decoded to maintain secrecy while valuation. Consolidated marks based on the marks awarded by the 4 individual examiners

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

 Has no affiliated Colleges

6.11 Activities and support from the Alumni Association

-  Periodical meetings to upgrade the issues and reform whenever required.
-  Alumni used to visit once in a year to interact with the teachers and students.
-  They are helpful in arranging educational tour, field visits etc and also in procuring quality seeds required for research purpose.
-  Besides, they are helpful in conducting of field experiments in Farmers’ holdings and helping in organizing campus interviews.
-  ‘Alumni Meet’ is held every year for exchanging innovative ideas and information
-  Necessary changes are made on the methods adopted for teaching and learning process according to feedback received from alumni.
-  Alumni are invited to deliver guest lectures, seminars and workshops for specific topics,
-  For placement preparation of PG students, pre-placement training is given by alumni.
-  Sponsor for Best Project Contest for MBA students every Year
-  Render help for students Project, SME and Job placements, Training of students, Guest lectures and Exposure programme
-  Support for rural management association, arranged income generation projects
-  Conducts annual meet. Organizes seminars, guest lectures, and get together every year.
-  Alumni give their moral support in conducting seminars, conferences, symposiums, workshops at National and International level.
-  During peer team visit of NAAC the Alumni Association of the college took momentum and was very much active
-  Annamalai University Alumni Association (Singapore Chapter) is an officially registered society. More than 100 alumni are living in Singapore with their families and have 50 members registered with them as on date.
-  The alumni have been donating for various activities of the University. Some of their efforts include furnishing of an air conditioned auditorium and an alumni guest house.
-  The alumni also help in perpetuating to the public, reputation of their alma mater.
-  Alumni portal is included in Annamalai University web site.

6.12 Activities and support from the Parent – Teacher Association

- ✚ Attendance percentage of the students is intimated to their parents who do not earn requisite percentage
- ✚ The performance of the students periodically intimated to the parents
- ✚ Parents are involved in the University common programmes
- ✚ Parents of children who visit Centre for Speech and Language Disorder Studies were guided to follow home programmes provided by us and once in a month they were called for assessing the progress.
- ✚ Every department holds regular meetings with Parents, to provide them feedback about the progress and Drawback of their wards. Regular feedback is taken from them as well their assessment is taken into account for teaching and evaluation purpose.
- ✚ The parent- teachers meet of students held twice in a semester. The parents along with students attended and were counselled.
- ✚ Periodical updating of their Ward's attendance details and chronic absentees are given individual counselling.
- ✚ Each student was assigned with a ward counsellor for mentoring and discussing all issues.

6.13 Development programmes for support staff

- ❖ Training were given to non-teaching staff for subordinate officer's account test
- ❖ Basic computer learning training was also given to Non-teaching staff.
- ❖ Holistic health improvement camps conducted
- ❖ English, Hindi and computer training is given for supporting staff.
- ❖ Increments and promotions are given to supporting staff if they pass the Accounts examination and if they obtain a diploma or degree wherever necessity warrants.
- ❖ Professors orient the staff by conducting meetings and classes
- ❖ Support staff are sent for training programmes organised by the University
- ❖ Workshops are organised to enhance the pertinent skills required of support staff
- ❖ Several Training Programmes like Computer Skill, Communication Skill, Personality Development organized
- ❖ Staff training programmes are conducted by the university
- ❖ Software skills are taught and also trained in effective use of Information Education and Communication (IEC) devices
- ❖ Personality development program for non-teaching staff was also conducted.
- ❖ They are encouraged to attend workshops and training programmes. They are motivated to qualify themselves through studying higher courses through distance education, part-time programmes, etc.
- ❖ Yoga classes are arranged **on-campus** and **off-campus** (Employees Holistic Health development programme at Aliyar)- (RMIHS), AU.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Awareness created among the students about the ill effects of plastic.
- Encourage the students to make college campus greeny.
- Litter free campus
- Literary, sports and cultural competitions are organised to make the campus eco-friendly
- Plastic free zone
- Tobacco Free Institution
- Rallies are conducted to stress the importance of saving and planting trees to provide more water through rains.

- Plantation has been done in entire campus which consists of maximum medicinal plants.
- Waste Water from hostels is reused and provided to plants and trees in the University campus.
- Plants, trees and lawns are maintained regularly.
- The University campus area is maintained clean and tidy
- Green club - Environment Awareness campaign, Planting of Trees
- Students Social responsibility club - Providing Notebooks to school children, Oath on Anti-Dowry & Anti-Tobacco
- Solar System is available

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Awareness has been created among staff & students to save water, electricity etc.,
2. Posters, notices are placed at vantage points in the Department on energy saving measures
3. Conservation of energy
4. Rain water harvesting
5. All condemned computers and electronic gadgets are auctioned to vendors through the University
6. Incentive awards for top ranking students
7. Choice based multidisciplinary cafeteria courses
8. Research and seminar credits spread over all the semesters
9. Bar code system has been introduced for examination papers
10. Introduced Innovative Elective course
11. Innovation in curriculum is promoted through periodical revision of the syllabi.
12. Workshops & expert lectures are arranged in cutting edge technology to produce competent engineers.
13. Skill development and communication courses are conducted, to increase self confidence and to build leadership qualities and skills for holistic progress.
14. Monthly grievance cell meeting.
15. Girls' security awareness programs are conducted to inculcate sensitivity towards society and to promote higher standards of ethics.
16. A good number of guest lectures by eminent professors and practicing engineers have been arranged. Further the teachers are encouraged to use OHP system and Computerised power point projection system for their lectures.
17. They are further motivated to involve themselves in research, oral presentation in International conferences, publications in referred journal.
18. In keeping with the national policy of public health, the concept of 'No Smoking Zone' has been put into practice.
19. Mentor-Mentee Counselling
20. Periodical research review meetings
21. Decentralization of Power

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Mentor mentee meeting conducted and reported
- Guidance and counselling given to students and reported
- Gender sensitisation programme organised and awareness created and reported
- Awareness programme on anti ragging to the students conducted and reported

- The head of the department encouraged the staff to apply for projects and publication of research works in refereed journals
- Study Material prepared by the Faculty
- Textbooks prepared by the Faculty
- Enhanced participation of CRRI's & PG's in presenting papers in the respective scientific conferences & institution Academic forums.
- Faculty members published books based on the plan of action.
- Mentor and mentees allotment have been made and regular consultation has been provided to approach teachers for both educational and personal guidance.
- The parameters as suggested by the National Assessment and Accreditation Council (NAAC) under the following criteria I. Curricular Aspects, II. Teaching, Learning and Evaluation, III. Research, Consultancy and Extension, IV. Infrastructure and Learning Resources, V. Student Support and Progression, VI. Governance, Leadership and Management and VII. Innovations and Best Practices.
- Department-wise IQAC Committees, Faculty-wise IQAC Committees worked towards sensitizing all the stakeholders on various parameters through Sensitization Programmes. Gender Sensitization Programmes for the teachers and Non-teaching staff were organized.
- The various elements of IQAC were uploaded to the Annamalai University Website.
- Considered the criteria and parameters of excellence for various administrative, research, teaching and extension activities of the University as suggested by the National Assessment and Accreditation Council (NAAC)
- Staff members are informed about the feedback score by the students, and advised to improve their performance.
- Field trip done for the students of 10 days duration

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

1.The Mentor-Mentee System

Goal

The purpose of this practice is to foster a close rapport between the students and the faculty, to provide guidance to students on all academic matters besides personal counseling and to enhance the potentialities of the students. The main focus of mentorship is to develop all-round personality of the students and to make them professionally competent and responsible citizens by the time they leave the thresholds of the University. Each faculty will function as a counselor for a group of students during the entire period of their study in the University. The teacher will assist the students to cope with the curriculum, understand the University's expectations of its students, participate in co-curricular and extracurricular activities, solve personal issues, as well as groom their skills and aid in personality development. In addition to the mentor, students may also seek counsel from other faculty members.

Practice

The students have a counselling class in the weekly time table. At a particular date and time the concerned students interact with mentors.

Evidence of Success

This practice has led to a better sense of belonging and purpose for the students as evidenced by the declining trend of absenteeism and a perceivable proactive involvement in the academic and other activities in the department. For the teachers, this has provided feedback and introspective review of academic transactions.

2. Implementation of Collaborative Projects

Goal

It is based upon evolving strategies for students that will instil qualities of group cohesion, team-building, development of strategic thinking, communication-skills, self-assessment and leadership qualities in them. Some of the goals are to provide students with prospects of creating work-plans where they, will allot responsibilities to various members of the team and prepare them to meet deadlines. It will

also allow the students to establish the ground rules on their own and hold each other responsible for the allotted obligations. Instilling self-esteem through a sense of responsibility and a feeling of achievement in the success of collaborative projects.

Practice

The importance of Collaborative Projects lies in focusing simultaneously on the individual student level, the institutional level, and the broader community level. Not only are students empowered by such collaborative-projects but the institution is also enabled, and consequently proves an enabler in the broad community level. Such projects afford a positive impact on students' inter-personal development as working with peers helps students learn to negotiate, manage conflicts, as well as lead others through an entire process. It also helps develop an understanding of the importance of critical thinking and time management along with competence in achieving results through relationship formation and discussions. It is this kind of exposure that finally allows students to link academic knowledge with practical experience, thereby leading to a better understanding of their own abilities and career goals.

Evidence of Success

This has paved way for interdisciplinary project proposals from the researchers from different Departments.

7.4 Contribution to environmental awareness / protection

- Environmental awareness campaign is periodically conducted in the University campus by NSS volunteers.
- Teachers advised the students to keep the class rooms and other places clean and tidy. Planting of tree seedlings within the campus by using students.
- Provided dustbin in every class rooms, mass cleaning programmes, tobacco free campus, avoid using plastics.
- Rallies are conducted to stress the importance of saving and planting trees to provide more water through rains.
- Plantation has been done in entire campus which consists of maximum medicinal plants.
- Awareness Slogans for avoidance of plastics in the campus
- Annual methodology workshop for research scholars of all Departments by pooling talented researchers from within the campus
- Exhibition on various national health day is carried out in the OPD, schools and community settings
- Utilized voluntary agencies such as YRC, Red Cross for various outreach programmes related to health
- Extension activities are carried out in the community. Referral/ follow up services are done.
- Health education is given for all people.
- Involve in conducting national health programmes along with division of community medicine, and the government services.
- Campus Cleaning programmes every 15 days to Keep Campus Clean
- Watering the trees around the campus.
- Awareness made through Flexi Banners and through NSS volunteers
- National Mission for Green India.
- Use of solar energy
- World Environment Day,
- Coastal Cleaning Campaign
- Rain water harvesting.
- Hazardous waste management
- Energy efficient lighting.

7.5 Whether environmental audit was conducted?

Yes

No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strength

- Publications in indexed journals and edited journals
- Activity based learning
- Strong Alumni Network
- Entrepreneurial Club creating awareness and organizing FDP
- The faculty members receive the project grants from the funding agencies of UGC and ICSSR
- Funding from national and international agencies
- Commendable track record of publications
- Good Laboratory facilities
- Active research collaborations with national and international research Collaboration with national and international research institutions
- Progression of Ph.D. students to postdoctoral positions abroad

Weaknesses

- ✓ Admitting more number of rural students leading to Communication Skill issues.
- ✓ Located in the rural area is a reason for not providing opportunities for more Industrial tie ups for the day to day activities.
- ✓ Absence of exclusive huge institute type, all in one building.
- ✓ Lack of ICT class rooms.
- ✓ Insufficient student strength in PG programmes.
- ✓ Only a small percentage of students clear NET/GATE

Opportunities:

- ❖ Involvement of industry in curriculum development and training for faculty and students
- ❖ Consultancy and technical services for industries and institutions
- ❖ Preclinical trials
- ❖ Extension activities such as organizing awareness programmes on cancer, diabetes and cardiovascular diseases.
- ❖ Maintaining and utilizing better contact to our alumni
- ❖ The employment opportunity is created through placement cell.
- ❖ The faculty members and students are being involved in National Testing
- ❖ Tie up with Foreign Universities for more of students and faculty exchange programs
- ❖ Collaborations with many more industries for consultancies
- ❖ Receiving Government projects more in numbers

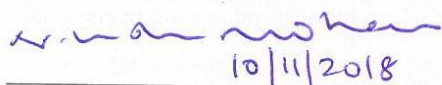
Challenges

- Placement for Students
- More time is spent on teaching and research. Hence, less time for extension activities.
- English Language training to rural students
- Students joining the programme without industrial experience
- Absence of centralized Wi-fi connections Space
- Teaching students who are first-generation literates and with prior education in regional language medium.
- Declining enrolments for M.Sc. Programmes
- Academy –Industry interaction

8. Plans of institution for next year

- Establishment of “Intellectual Property Rights Cell” (IPRC) and “Entrepreneurship Development Cell” (EDP)
- To get patent, copy rights, copy designs and geographical indications for the technologies of the staff members of the various departments in this University.
- To meet the upcoming demand in the food processing sector of the state, the department is planned to establish an Entrepreneurial Development Programme on Food Processing Industries.
- To Provide employment opportunities for sustainable livelihood options in agriculture, the University plans to conduct a series of training programme for self help groups/farmers.
- Arranging International Conference at campus
- Enhancement of Consultancy and research activities
- Curriculum Restructuring, Administration and Examination Reforms
- Introduction of Eco-friendly infrastructure facilities.
- Providing Corporate Training Programmes.
- Establishment of KISAN Training Institute, Centre for Women Empowerment
- Institute for Entrepreneurial Development and for differently Abled person
- Certificate Programme in Epigraphy and in Museum and Archives Keeping
- Intensification of Research by getting SAP, Introduction of e-governance
- Creating friendly environment for differently abled students
- A cell for providing counseling and coaching for aspirants appearing in the national level competitive examinations like UPSC, TNPSC and BANK examinations
- Enhance research projects and publications
- To get highest grade in NAAC Accreditation
- To achieve high standards in Research and Development
- Gene expression Pattern and analysis of signalling pathways in cancer, diabetes and cardiovascular diseases, neurodegenerative diseases, hepatotoxicity and stress.
- Protein-Protein interactions in the pathogenesis of age-related disease

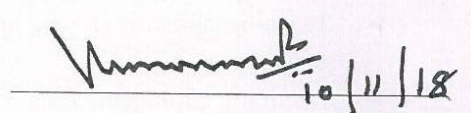
Name: Dr.N.Krishnamohan



10/11/2018

Signature of the Coordinator, IQAC

Name: Prof.Dr.V.Murugesan,Ph.D.



10/11/18

Signature of the Chairperson, IQAC