



# **SELF STUDY REPORT**

**FOR**

**3<sup>rd</sup> CYCLE OF ACCREDITATION**

**PERIYAR UNIVERSITY**

PERIYAR UNIVERSITY, SALEM-636011  
636011

[www.periyaruniversity.ac.in](http://www.periyaruniversity.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**July 2021**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Periyar University, with its more than three decades of yeoman service through the rural populace, has been rightly named after the great social reformer E.V.Ramasamy, who is respectfully called 'Thanthai Periyar'. The University strives its best to make the dream of Thanthai Periyar come true. Situated in the Salem-Bengaluru highway, NH44, and spread over 38.64 ha (95.48 acres), Periyar University caters to the higher education needs of people belonging to four districts namely Salem, Namakkal, Dharmapuri and Krishnagiri of Tamil Nadu. The University serves through 27 departments, 113 affiliated colleges and a PG extension centre, which are varied in nature. For the lifelong learning and for those unable to pursue studies on regular mode, the University is supported with the Periyar Institute of Distance Education (PRIDE), that produced a lakh of graduates.

The University is consistently placed within the top 100 in MHRD NIRF ranking for the past five years and ranked 4th in ARIIA 2020 among the Government and Government aided universities in India. The University nurtures globally competitive skills among rural students and continuously strives to address the national concerns on the quality of higher education through teaching, research and extension activities. It is governed by its act, statutes, regulations and rules enacted by Periyar University Act 1997 of the Legislative Assembly of the State of Tamil Nadu. During the academic year 2019-20, 2,125 students studied in 62 programmes under the guidance of 153 teachers. The University receives funding from various agencies such as UGC, CSIR, DBT, DST, ICMR, DRDO, MoEF&CC, MoES, MoFPI, ICSSR and MHRD to carry out research activities through its departments. The University departments have collaborations with many institutes and industries like ONGC, NLC, Green Chem, Virbac, Sibar Institute of Dental Sciences, SAGOSERVE, TANMAG and Boston India for internships, trainings, exchange programmes and to conduct problem oriented and resource based research through the letter of interest and MoUs. The University established linkages with industries, Government and non-governmental organisations for proactive extension activities and social upliftment efforts, by adopting nearby villages.

### **Vision**

Periyar University aims towards excellence in teaching, research, outreach, imparting new-age skills and preserving cultural identity for future generation.

### **Mission**

To provide a vibrant learning environment, fostering innovation and creativity inspired by cutting edge research

To aspire as a national leader in developing educated contributors, career ready learners and globally competitive citizens

To offer need based, society driven, industrially relevant academic programmes with a view to make future ready civilians

To make a significant, consistent and sustainable contribution towards social, cultural and economic life

To adopt hassle free, distributed, committed and transparent governance

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

One of the youngest universities ranked by NIRF 5 times within top 100 Institutions in India and ranked 4th in ARIIA among Indian Government Institutions.

More focused multidisciplinary research for solving health issues.

Requisite infrastructure facilities in line with mission of the University.

More emphasis on skill based courses.

Blend of experienced and young faculty with National and International exposure.

Safe and secured campus environment attracts more women students (75 percentage) as patronised by Thanthai Periyar.

Immersion of students on social work and local community engagement for holistic world view.

Equitable access to quality higher education especially for students hailing from economically deprived section.

Strong base for collaborative and inter-disciplinary research.

More than 3,300 publications in indexed journals with h-index 70 and 26,000 citations.

Excellent student support service.

Developed Miyawaki forest with 1,400 trees in 232 sq. m to enhance the green cover.

### **Institutional Weakness**

Staff exchange programmes with International Institutions.

Attraction of International students.

International funds.

Alumni support.

### **Institutional Opportunity**

Introduction of innovative programmes on emerging thrust areas in line with Industry 4.0 requirements and foreign languages.

Collaborative research projects with National Institutions and leading industries.

Industry supported academic programmes and laboratories.

Regional Centre for Intellectual Property Rights.

Tamil literature related research from the Instituted Chairs.

Incubation and Technology Transfer Centre, Business Incubation Centre for entrepreneurial development.

Exploration of minerals and remediation of contaminants.

### **Institutional Challenge**

Volatility of technology and pedagogical innovations.

Internationalisation of academic programmes.

Expectations of fast growing industries.

Philanthropic support.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Periyar University caters to the local, national, regional and global needs through 62 well-designed academic programmes which are society centric, development oriented and industrially relevant. Applied programmes are offered to address the local requirements and the skill-oriented, employability and entrepreneurial courses fulfil the national and global demands, which are ensured through programme outcome. Ninety seven percentage of the courses focus on employability / entrepreneurship / skill development and 39% are the new courses that have been introduced during the revision of curricula.

All programmes are CBCS / OBE based and offer flexibility through elective courses. The courses within these programmes address professional ethics, gender issues, human values, and environment and sustainability at 5, 2, 4 and 5 per cent, respectively. The University offers 35 value added courses that provide holistic development to the students. All the final semester students are mandated to complete internships / field projects / research projects. The IQAC has collected feedback from the students, teachers, employers and alumni, whose views are analysed and appropriate actions initiated for reviewing and revising the syllabi and structure of the curricula. All these result in well-structured curricula design and implementation.

## **Teaching-learning and Evaluation**

Periyar University takes meticulous care of students through diverse strategies to improve student demand ratio for all programmes. Admission is based on merit and the University follows the Tamil Nadu government rule on reservation, which resulted in 78% of reserved seats being filled. Slow learners are encouraged to develop their inter personality skills through co-operative / participative and peer learning process along with advanced learners (mentor-mentee system). Advanced learners are inspired to expose their talents through various platforms towards academic excellence. For instance, 12 students have received funding assistance of Rs.60,000/- and 14 top ranking students have received DST- INSPIRE fellowship.

Effective teaching-learning process is ensured through a better student-teacher ratio of 14:1. The University adopts diverse teaching strategies, which include active learning, cooperative learning, game based learning, ICT enabled learning, project based study, focused group discussion, case study, role-plays and flipped classrooms. Besides the University owned Learning Management System (LMS), other platforms, such as Google classroom, OpenEdx, Google meet, Cisco WebEx and Microsoft team are made accessible to the faculty members, in addition to MHRD ICT initiatives. Faculty are provided necessary ICT tools, software, and applications for efficient teaching-learning process. E-contents developed by faculty are checked for its originality by URKUND / Ouriginal software.

Ninety four percentage of full time faculty are available against the sanctioned strength; 93% are Ph.D. holders with an average teaching experience of 10 years. About 33% of the faculty have received awards from Government / Govt. recognised bodies.

The University has brought in several examination reforms including Examination Management System for a foolproof and transparent administration. An integrated examination platform is commissioned at the University to ensure timely declaration of results at an average of 10 days. A minimal percentage (0.64%) of grievances have been received and redressed in a time bound manner. The spelt PSOs and COs are integrated into assessment process, by designing a common question paper pattern, which includes all knowledge levels (K1 to K6), with proper weightage of all units in the end semester examinations.

## **Research, Innovations and Extension**

The University's well-defined research promotion policy facilitates the faculty to actively undertake extramural research and consultancy projects funded by various Government and Non-government agencies. The University research facilities are continually updated with sophisticated equipment and software through the University funding and Government schemes. Nearly 50% of the departments are specially recognised by UGC-NSDC, DST-FIST and UGC-SAP. About 133 funded projects with a financial outlay of Rs. 3,146 lakh have been completed and 523 research fellows have been subsequently enrolled. The University has membership in MHRD Institution Innovation Council to explore innovative ideas from research for its prototyping and industrial trials and has been ranked 4th position in ARIIA 2020 for innovation. In 2019, Periyar University Business Incubation Confederation has been established by EDII-TN (Rs.100 lakh) that supported 18 incubatee.

The University has conducted 325 workshops/seminars related to research methodology, IPR, entrepreneurship and skill development. The institution has received 148 awards/recognition and 16 patents have been published/awarded. The University code of research ethics is promulgated through research methodology course work, board of research studies, ethical committee and plagiarism check software (URKUND/Ouriginal).

Faculty are recognised through incentives, such as, cash, medal, certificate of honour and announcement in the newsletter / website for research contributions. Ph.D. has been awarded to 436 candidates. The faculty have published 1,703 research papers, with a h-index of 63 (Web of Science), 70 (Scopus) and 1,152 books/book chapters/conference proceedings. The University has an active consultancy policy to guide faculty through Knowledge Transfer Centre and has generated a sum of Rs. 31.54 lakh. Through corporate training about Rs. 302.46 lakh has been generated.

The University continuously extends its activities by the active participation of students (85%) in the neighbourhood through 15 rallies, 119 programmes and 10 camps benefiting more than 10,000 people. These activities have won 43 awards and accolades from state government and other agencies. Nearly 1,000 different collaborative activities have been undertaken with various institutions/research laboratories/industries resulting from 65 functioning MoUs.

### **Infrastructure and Learning Resources**

The campus of the University is spread over 38.64 ha and located in the National Highways (NH 44). It has excellent infrastructure facilities with a total built-up area of 83,334 sq. m. ICT facilities are available in the 72 classrooms and 11 seminar halls. The University has High Performance Computing facility, 4 high-end servers and 935 computers for teaching, learning and research. Forty four research laboratories have been newly constructed. Sophisticated instruments have been added at a cost of Rs. 386 lakh to the Centre for Instrumentation and Maintenance Facility. An indoor stadium was constructed at a cost of Rs.149 lakh and outdoor sports facilities have also been upgraded. The University has an auditorium with a seating capacity of 1,200 and a yoga centre with an area of 167 sq. m. A bank, two ATMs, a post office, a co-operative store, a canteen, a milk parlour, a guest house, ramps, elevators, primary sewage treatment plant, solar roof-top panels, animal house, the Wi-Fi facility and health centre are the various facilities available.

The University library has 98,482 volumes, out of which 23,383 volumes have been added during the assessment period. It has an automated library management software and URKUND/Original anti-plagiarism software. The University is permitted to access e-resources through UGC INFLIBNET. Nearly Rs.263 lakh worth of books, journals and e-journals were purchased and an average of 565 (24.6%) faculty and students access the library facilities per day.

The University has appropriate budgetary provision for IT and Wi-Fi facility augmentation, maintenance and up-gradation. The University has spent Rs.160.19 lakh for the purchase of computers, Rs.57.57 lakh for the purchase/upgrades of software and Rs.100.36 lakh for the establishment of networking facilities. An average of 3,000 active users have utilised 18,921 GB data during this assessment period. The University has one Gbps bandwidth and 2:1 student computer ratio. In addition, it has facilities for e-content development like media centre, audio-visual studio, lecture capturing system and mixing/editing equipment. The University has spent an average of 74% for infrastructure augmentation and 26% for the maintenance of academic and physical facilities excluding salary.

### **Student Support and Progression**

Periyar University facilitates scholarship and freeship to 6,018 students. Aiming to enhance the employability of the graduates, the University regularly conducts career counselling and guidance through which 4,098 students were benefited. Sixty five skill enhancement and capacity development programmes were conducted to

impart soft skills, life skills, language and communication skills.

The institution follows the UGC guidelines regarding the redressal of student grievances including sexual harassment and ragging. Awareness programmes have been organised frequently to sensitise the stakeholders on these issues. Effective mechanisms are available for submission of online/offline students' grievances. Appropriate committees provide timely redressal for the reported grievances.

Regarding student progression, 160 students passed in NET/SET and other competitive examinations, 890 students have ended up with successful employment through off campus and on campus placement initiatives and 138 postgraduate students have progressed to higher studies from the previous batch.

Thirty nine students have won awards/medals for their outstanding performances in sports/games/cultural activities, such as, athletics, high jump, cricket, taekwondo, fencing, power lifting, face painting, republic day parade and fashion show. The University have organised 40 sports and cultural events/competitions for enhancing holistic development of individuals.

Students are invited as special invitees to participate in the Board of Studies, IQAC and their views and suggestions are considered while formulating new curricula and its updation. Students also participate in co-curricular, social, sports and community development forums and represented as members in Institution Innovation Council of MHRD, Periyar University Business Incubation Confederation (Section 8 Company), Department Associations and Clubs, Student Grievance Redressal Committee, Anti-ragging Committee, Internal Complaint Committee (Anti-sexual Harassment Cell) and Gender Sensitisation Committee.

Periyar University Alumni Association (PUAA), Salem is registered under section 10(1) of the Tamil Nadu Societies Registration Act 1975 and its registration number is 142/2011. Alumni have contributed Rs. 9.75 lakh by way of money and materials.

### **Governance, Leadership and Management**

Periyar University is committed to the social upliftment through the areas enshrined in the Vision and Mission statements by far-sighted initiatives. It is governed by its act, statutes, regulations and rules enacted by Periyar University Act 1997 of the Legislative Assembly of the State of Tamil Nadu. The University has 27 departments offering 62 academic and research programmes and has given affiliation for 113 colleges. The Vice Chancellor along with the Syndicate, Senate, Planning Board, Finance Committee and Standing Committee on Academic Affairs execute the task of development, implementation and management of the system. The transparent administrative and academic governance are reflected in the form of e-governance, decentralisation, faculty performance appraisal, effective student assessment, demand driven research, systematic audits and participative management.

The University has a well laid out strategic plan, tactical plan and action plan giving importance for professional practices, graduation outcome, outreach and perception. There are 153 regular faculty; 83 permanent and 358 on contract non teaching staff during 2019-20. Faculty is assessed by performance appraisal mechanism. Many promotional avenues and welfare measures are available for both teaching and non teaching staff and further they are capacitated through 60 professional development and administrative trainings. The institution has organised 69 academic and research meetings at national and international levels, benefiting the faculty, scholars and students. The University had permitted on an average 36 faculty per year to attend faculty development programme in other institutions for capacity building.

University mobilises funds through student's fee, affiliation fee, block grant and rental services. It has received a sum of Rs.2,855/- lakh through special schemes such as RUSA, DST-FIST, UGC-SAP/DRS, EDII, MHRD, DDU-GKY, TNSCST and TANSCH and Rs. 31.88 lakh from non-government bodies, individuals and philanthropists. The University's assets are efficiently distributed through annual budgets and periodically subjected to external and internal financial audits. Several quality initiatives of IQAC on administration, academic, research and feedback have yielded fruitful results and the institution is ranked at 83rd position in the NIRF 2020 and 4th position in ARIIA 2020.

### **Institutional Values and Best Practices**

Periyar University strives to behold the thoughts of Thanthai Periyar in terms of women empowerment, women's rights and gender equity. Women represent a sizeable number with 65% of girls enrolled in PG, 70% of girls enrolled in M.Phil./Ph.D. programmes, 31% of teaching workforce and 60% of non teaching staff.

The University has installed a solar panel with 300 kW capacity and a biogas plant. It utilises sensor LED bulbs, which accounted for saving 17,030 watts of electricity and the CRT monitors were replaced with LED monitors. The degradable wastes are managed through vermicomposting, wastewater recycling plant, twin bin system and biogas plant. Through the sewage treatment plant, 80,000 litres of wastewater per day is treated and the treated water is used for irrigating the campus plants. E-wastes are managed through purchase of computers and batteries under the buyback scheme. Green initiatives include Miyawaki forest plantation, maintenance of plastic free environment, restricted use of automobiles, use of bicycles, rain water harvesting structures and by conducting green, energy and environmental audits.

Through the provisions of ramps, elevators, user-friendly toilets and signboards, the campus has been made differently abled (Divyangjan) friendly. The University offers an atmosphere conducive to the students to work towards unity in diversity irrespective of cultural, regional, linguistic differences by organising several festivals and celebrating national/international events. The institution has a well spelt out code of conduct for authorities, employees and students.

First Best Practice "Get, Set, Go Green" aims at maintaining a green and clean campus and the promotion of environmental awareness through outreach and extension programmes. The institution's green consciousness marches towards a carbon neutral society. Second Best Practice "Campus to Society through Collaboration" proposes to potentially utilise the results of the academic research that are useful to the society, to translate further to local industries for product development and promote application oriented research outcome. The unique human health research cutting across the virtual boundaries of science, has resulted in the University securing 83rd and 4th position in the NIRF and ARIIA respectively apart from bagging three TANSAs awards and three patents.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	PERIYAR UNIVERSITY
Address	Periyar University, Salem-636011
City	SALEM
State	Tamil Nadu
Pin	636011
Website	<a href="http://www.periyaruniversity.ac.in">www.periyaruniversity.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	R. Jagannathan	0427-2345161	9443889891	0427-2346268	vc@periyaruniversity.ac.in
IQAC / CIQA coordinator	R. Venkatachalapathy	0427-2345778	9442105151	0427-2345124	iqac@periyaruniversity.ac.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	17-09-1997
Status Prior to Establishment, If applicable	PG Centre
Establishment Date	15-12-1983

<b>Recognition Details</b>		
<b>Date of Recognition as a University by UGC or Any Other National Agency :</b>		
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>
2f of UGC	09-10-1998	<a href="#">View Document</a>
12B of UGC	17-05-2005	<a href="#">View Document</a>

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

<b>Location, Area and Activity of Campus</b>							
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>	<b>Programmes Offered</b>	<b>Date of Establishment</b>	<b>Date of Recognition by UGC/MHRD</b>
Main campus	Periyar University, Salem-636011	Rural	95.48	83334.5	UG, PG, Pre-Doctoral(M.Phil), Doctoral(Ph.D), DSC, DLitt, Certificate		
<i>PG centre</i>	<i>Periyar University Post Graduate Extension Centre, Dharmapuri-636701</i>	<i>Rural</i>	<i>26.33</i>	<i>4140</i>	<i>PG, Doctoral(Ph.D)</i>	<i>25-05-2012</i>	<i>02-07-2012</i>

## 2.2 ACADEMIC INFORMATION

### Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
General	21	92	113

#### Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	113
Colleges Under 2(f)	46
Colleges Under 2(f) and 12B	40
NAAC Accredited Colleges	28
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	7
Colleges with Postgraduate Departments	94
Colleges with Research Departments	36
University Recognized Research Institutes/Centers	4

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes						
<table border="1"> <thead> <tr> <th>SRA program</th> <th>Document</th> </tr> </thead> <tbody> <tr> <td>AICTE</td> <td><a href="#">105287_5194_1_1603969831.pdf</a></td> </tr> <tr> <td>NCTE</td> <td><a href="#">105287_5194_4_1605176601.pdf</a></td> </tr> </tbody> </table>	SRA program	Document	AICTE	<a href="#">105287_5194_1_1603969831.pdf</a>	NCTE	<a href="#">105287_5194_4_1605176601.pdf</a>	
SRA program	Document						
AICTE	<a href="#">105287_5194_1_1603969831.pdf</a>						
NCTE	<a href="#">105287_5194_4_1605176601.pdf</a>						

#### Details Of Teaching & Non-Teaching Staff Of University

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	24				34				110			
Recruited	9	1	0	10	24	6	0	30	68	40	0	108
Yet to Recruit	14				4				2			
On Contract	0	0	0	0	0	0	0	0	14	15	0	29

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				162
Recruited	64	16	0	80
Yet to Recruit				82
On Contract	170	188	0	358

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				6
Recruited	3	0	0	3
Yet to Recruit				3
On Contract	9	0	0	9

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	2	0	0	0	0	0	0	0	0	2
Ph.D.	26	5	0	17	9	0	50	28	0	135
M.Phil.	0	0	0	0	0	0	3	5	0	8
PG	0	0	0	0	0	0	2	1	0	3
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	9	6	0	15
M.Phil.	0	0	0	0	0	0	2	4	0	6
PG	0	0	0	0	0	0	3	5	0	8
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

#### **Distinguished Academicians Appointed As**

	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Emeritus Professor	3	0	0	3
Adjunct Professor	4	0	0	4
Visiting Professor	15	1	0	16

#### **Chairs Instituted by the University**

<b>Sl.No</b>	<b>Name of the Department</b>	<b>Name of the Chair</b>	<b>Name of the Sponsor Organisation/Agency</b>
1	Periyar University Salem	Thanthai Periyar E. V. Ramasamy Chair	Salem Sowdeswari College
2	Periyar University Salem	Perarignar Anna Chair	Periyar University
3	Periyar University Salem	Muthamilarignar Tamilvel Kalaignar M Karunanidhi Research Centre	Dravida Munnetra Kalagam

**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	156	0	0	0	156
	Female	170	0	0	0	170
	Others	0	0	0	0	0
PG	Male	712	10	0	2	724
	Female	1309	29	0	1	1339
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	369	35	0	0	404
	Female	332	35	0	0	367
	Others	0	0	0	0	0
Post Doctoral (D.Sc , D.Litt , LLD)	Male	12	0	0	0	12
	Female	7	0	0	0	7
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	26	0	0	0	26
	Female	94	0	0	0	94
	Others	0	0	0	0	0

<b>Does the University offer any Integrated Programmes?</b>	Yes
<b>Total Number of Integrated Programme</b>	2

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	40	0	0	0	40
Female	18	0	0	0	18
Others	0	0	0	0	0

#### Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nil
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	B+	78	<a href="#">Cycle1PeerTeamReport2007.pdf</a>
Cycle 2	Accreditation	A	3.15	<a href="#">Cycle2PeerTeamReport2015.pdf</a>
Cycle 3	Accreditation	A++	3.61	

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Arts	<a href="#">View Document</a>
Biochemistry	<a href="#">View Document</a>
Biotechnology	<a href="#">View Document</a>
Botany	<a href="#">View Document</a>
Chemistry	<a href="#">View Document</a>



Clinical Nutrition And Dietetics	<a href="#">View Document</a>
Commerce	<a href="#">View Document</a>
Computer Science	<a href="#">View Document</a>
Economics	<a href="#">View Document</a>
Education	<a href="#">View Document</a>
Energy Science	<a href="#">View Document</a>
English	<a href="#">View Document</a>
Environmental Science	<a href="#">View Document</a>
Food Science And Nutrition	<a href="#">View Document</a>
Geology	<a href="#">View Document</a>
History	<a href="#">View Document</a>
Journalism And Mass Communication	<a href="#">View Document</a>
Library And Information Science	<a href="#">View Document</a>
Management Studies	<a href="#">View Document</a>
Mathematics	<a href="#">View Document</a>
Microbiology	<a href="#">View Document</a>
Physical Education	<a href="#">View Document</a>
Physics	<a href="#">View Document</a>
Psychology	<a href="#">View Document</a>
Science	<a href="#">View Document</a>
Sociology	<a href="#">View Document</a>
Statistics	<a href="#">View Document</a>
Tamil	<a href="#">View Document</a>
Textiles And Apparel Design	<a href="#">View Document</a>
Zoology	<a href="#">View Document</a>

# Extended Profile

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## 1 Program

### 1.1

#### Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
38	38	38	38	38

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 1.2

#### Number of departments offering academic programmes

Response: 27

## 2 Students

### 2.1

#### Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1037	1055	1258	1220	1154

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 2.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
1061	1110	1074	1104	946

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 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
2034	2153	2203	2039	1787
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 2.4

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	19	19	17	12

## 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
1446	1300	1179	1106	997
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
153	156	159	162	144
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.3

### Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
168	168	168	168	154
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 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
2903	3372	3782	2875	2840
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 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
251	235	316	316	295
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 4.3

#### Total number of classrooms and seminar halls

Response: 83

### 4.4

#### Total number of computers in the campus for academic purpose

Response: 935

## 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
2560.38	2707.54	3028.88	1296.83	1783.87

NAAC

## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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#### 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:**

Periyar University offers programmes that are designed to cater to the local, national, regional and global developmental needs. The University follows an academically flexible Choice Based Credit System(CBCS) since 2004. To keep up with rapid changes in a globalised world, the Board of Studies (BoS) revamps the curriculum from time to time. The Standing Committee on Academic Affairs (SCAA) of the University approves the curriculum.

**Traditional and Trend-Setting Programmes:**

The University offers traditional programmes in Natural Sciences, Life Sciences, Mathematical Sciences, Social Sciences, Commerce, Languages, Education and Management.

For new and emerging fields, the University offers trend-setting and technology-oriented programmes in Biotechnology, Environmental Science, Applied Geology, Energy Technology, Food Science and Nutrition (FSN), Clinical Nutrition and Dietetics, Textile and Apparel Design (TAD), Data Analytics and Applied Psychology.

The University also offers vocational B.Voc. programmes in FSN, TAD and Augmented Reality and Virtual Reality to produce future-ready graduates for industry 4.0 requirements and societal needs.

**Programme-Relevance:**

**Local**

The city of Salem is famous for tapioca industry, steel plant, bauxite, magnesite mining to mention a few. To address these local requirements, the programmes have courses on cassava processing, fruit processing, poultry rearing, steel manufacturing, hydro and thermal energy, mining and fluoride removal.

**Regional**

The western region of Tamil Nadu, where the University is situated, has a cluster of industries in textiles, agricultural inputs, metal finishing, leather industry, paper industry, ICT, pharmaceuticals and food product development. Courses relevant to the said industries are integrated into the curricula.

**National**

The Government of India envisages different initiatives for the development of the nation at a holistic

level. To meet these national requirements, the University introduced Green Energy, Swachh Bharat, Biotechnology, GIS, Digital Technology, IIoT, Agricultural Sustainability, Health Promotion (Swasth Bharat), Water Resources, Sarva Shiksha Abhiyan and Rural Development aspects in its courses. The courses covering these initiatives are now part of the programmes in Chemistry, Energy, TAD, Biotechnology, Microbiology, Biochemistry, Environmental Science, Commerce, Computer Science, Applied Geology and Sociology.

## Global

There are needs that extend beyond geographical boundaries. To address such global needs, programmes have courses in Environmental Sustainability, Nano-mission, Data Science, Business Analytics, Digital Marketing, e-Commerce, Machine Learning, Internet of Things (IoT), Nutrition Security, Remote Sensing, Climate Change and Biodiversity. These courses that focus on world-wide requirements are in the programmes of Environmental Science, Botany, Chemistry, Computer Science, Commerce, Management Studies, Applied Geology and FSN.

## Programme Outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs):

The University has implemented UGC's Learning Outcome Based Curriculum Framework (LOCF) by adopting an Outcome Based Education (OBE) model. This model makes the curriculum student-centric, interactive and outcome-oriented. The learning outcome focuses on academic knowledge, communication skills, critical thinking, problem-solving, analytical and scientific reasoning, research skills, team-work, digital efficiency, moral and ethical awareness and leadership-readiness. These qualities and lifelong learning are captured in metrics and are reflected in the PSOs, POs and COs.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 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: 38

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

Response: 38

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** 85.41

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
1148	1025	1054	1005	883

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:** 36.11

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



Response: 538

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

Response: 1490

<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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:** 100

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

Response: 38

<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **1.3 Curriculum Enrichment**

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

**Response:**

The University emphasises on human and social values, gender equality, professional ethics, environmental conservation and sustainable development. These form the core of its curricular, co-curricular and extra-curricular activities.

**Professional Ethics:**

The University views ethical practices in all spheres, as a means to imbibe social, cultural and personal responsibilities. Therefore, professional ethics is a mandatory component of the curriculum in all the departments of the University. The curriculum emphasises on ethical practices in human, treatment of

animals, business ethics, biosafety, plagiarism, IPR and radiation safety.

### **Gender Issues:**

Gender inequality has been a burning issue from time immemorial. The University aims for an inclusive society and strives for women empowerment by incorporating gender equity in the curriculum of its various programmes. The School of Social Sciences and School of Languages have courses such as Women's Writing, Gender Media, Gender and Society Feminism, and Sensitisation. Apart from women-oriented courses in Food Science and Nutrition, Textiles and Apparel Design, the department of Sociology and Education offer exclusive courses related to gender issues, such as, Gender and Society and Women's Education.

### **Human Values:**

The human values emphasised in the Constitution of India are inculcated through inclusive and exclusive approach. Human Rights course is a compulsory component of all PG programmes in line with the UGC guidelines. This course includes teachings on the Right to Education, National and State Human Rights Commission, fundamental duties, remedial measures and social values. In addition, the Schools of Social Sciences, Professional Studies and Language Studies offer courses like Personality Development, Soft Skills and Social Welfare Economics. Yoga and Life Skills help the student community to understand the human values. Personal values are imbibed through courses on counselling introduced by the departments of Psychology and Education. To this end, the curriculum uses experiential learning methods, case studies and other adult learning principles to design these courses.

### **Environment and Sustainability:**

To increase awareness among the young community and to ensure the development and utilisation of resources judiciously, the University promotes courses like Environmental Ethics and Energy Conservation.

The Schools of Energy and Environmental Sciences, Physical Sciences, Life Sciences, and Biological Sciences offer postgraduate programmes pertaining to the recently proposed 17 Sustainable Development Goals (SDGs) by United Nations Development Programme (UNDP). These programmes have courses that address issues on climate action, zero hunger, clean energy, life below water and on land, clean water and sanitation, wastewater recycling, disaster management, good health and sustainable cities and communities.

All these programmes offered by the University address the courses in professional ethics, gender, human values, and environment and sustainability at 5, 2, 4 and 5 per cent respectively.

<b>File Description</b>	<b>Document</b>
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.</b>	
<b>Response: 35</b>	
<b>1.3.2.1 How many new value-added courses are added within the last five years.</b>	
Response: 35	
<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.</b>				
<b>Response: 20.58</b>				
<b>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.</b>				
2019-20	2018-19	2017-18	2016-17	2015-16
1067	0	0	0	0

<b>1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).</b>	
<b>Response: 100</b>	
<b>1.3.4.1 Number of students undertaking field projects or research projects or internships.</b>	
Response: 1037	

<b>File Description</b>	<b>Document</b>
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 1.4 Feedback System

<b>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</b>	
<b>Response:</b> A. All 4 of the above	
<b>File Description</b>	<b>Document</b>
URL for stakeholder feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

<b>1.4.2 Feedback processes of the institution may be classified as follows:</b>	
<b>Response:</b> A. Feedback collected, analysed and action taken and feedback available on website	
<b>File Description</b>	<b>Document</b>
URL for feedback report	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 2.16

##### 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
1316	1229	1661	1660	1549

#### 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:** 282.83

##### 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
721	728	867	826	830

#### 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:**

The University groups students as slow learners and advanced learners based on the six knowledge levels of Blooms Taxonomy namely, remembering (K1), understanding (K2), applying (K3), analysing (K4), evaluating (K5) and creating (K6).The Institution assesses these learning levels based on the marks obtained in the qualifying degree, entrance examination, Listening Speaking Reading and Writing (LSRW) skills and first Continuous Internal Assessment (CIA).

Each academic department conducts special programmes like remedial coaching classes, focused group discussions, role-play, flipped class rooms for the slow learners. In these special programmes, advanced learners act as mentors to slow learners to improve the latter's academic performance. These activities encourage slow learners to develop their inter personality skills through participatory and peer learning process with advanced learners.

To motivate the slow learners and increase the learning threshold, the University encourages all students to enrol in online MOOC courses in SWAYAM and coaching classes. Under the peer guidance of advanced learners, slow learners prepare for UGC NET / SET / civil service and other competitive examinations / value added and add-on courses / generic and professional skill development courses / self-study courses / job-oriented skill courses / problem solving research activities.

The University offers advanced learners, the opportunities to expose their talents in seminars, field work, e-material contribution, peer mentoring, organising student events / seminars / workshops / conferences, demonstration session to peers, learning resources documentation, learner templates and manual preparation.

The University has established UGC NET/SET coaching centres, civil service coaching centres and SWAYAM cell. In total, 594 UG students and 302 PG students were benefited from communication skill development programmes. Also, 286 students have attended UGC NET/SET coaching classes and 56% of them have qualified in the UGC NET/SET. Further, 168 students participated in civil service examination coaching classes. A total of 564 students appeared for Tamil Nadu Public Service Commission (TNPSC) coaching classes and 15 among them are now placed in various government positions. In SWAYAM programme, 4,483 students have enrolled and 510 have been certified so far. In the last 5 years, the University has offered 35 add-on and value added courses that have benefitted 1,067 students.

Apart from this, advanced learners have options for special student projects sponsored by various funding agencies. So far 12 students have received funding assistance of Rs.60,000/-. As an outcome of motivational learning components for advanced learners, 14 top ranking students have also received DST-INSPIRE fellowship.

<b>File Description</b>	<b>Document</b>
Upload Any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 6.78

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

**Response:**

#### **Experiential Learning:**

In the OBE curriculum, students are mandated to gain practical experience through

- industrial visits, field exposures, sharing of real experience by industrial / field experts and visit to research laboratories
- employability and entrepreneurship oriented skill courses affiliated by Sector Skill Councils of National Skill Development Corporation (NSDC)
- internships in industries and other organisations
- hands on experience on analytical instruments
- enterprise based experiential trainings
- case analysis and portfolios
- psychomotor activities on real life experience
- twenty percent practical in the total credits

#### **Participative Learning:**

Students are encouraged to do experiments independently in practical classes, create awareness among public through rallies, pamphlet distribution, power point presentation, video lectures, networking through special day celebrations, participating in events / seminars / conferences inside and outside the University. In addition, students have participated in sports events, various co-curricular and extracurricular competitions, boot camps, innovator events, pitch fest, SERB ACS poster competitions organised by University and State, National and International institutions / agencies and incubation centres.

During 2019-20, 1,200 students have attended 154 such programmes conducted by 126 different institutions at national level.

#### **Problem Solving Methodologies:**

Students in UG and PG degree programmes are mandated to identify problems or issues and are motivated to ideate the best solution through innovative research ideas.

Students are vitalised to share their ideas in group discussion / brain storming sessions and tested for their leadership skills, team work, listening ability, confidence and problem solving skills. University has

allocated budget for field visits / educational tours to interact with the community and industry personnel to identify problems and offer solution under research projects. Students have participated and presented papers in research competitions, among them, 36 students have won the best paper presentation awards. In association with NGOs, students are requested to devise a strategy for community development models and policies. Students are emboldened to conduct webinars, quizzes, group projects and lateral thinking sessions by inviting industry experts and renowned professionals to discuss the advanced theories, existing problems, recent trends and modern concepts.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

#### Response:

All faculty members of Periyar University are enabled to handle classes using University Campus LMS platform and free online accessible platforms such as Google classroom, OpenEdx, Google meet, Cisco WebEx and Microsoft team. Faculty members are encouraged to access MHRD ICT initiatives based e-resources such as SWAYAM, SWAYAM PRABHA, National Digital Library, UGC e-PGPathshala, e-Shodhsindhu, e-Yantra, Shodhganga, FOSSEE, spoken tutorial, virtual labs and ICSSR-NASSDOC.

The University library is empowered with remote access facility for e-Books (141), Online Journals of more than 7,000 volumes in American Institute of Physics (AIP), American Physical Society (APS), Annual Reviews, Cambridge University Press, Economic and political weekly, Emerald, J-Gate Plus, JSTOR, Nature, SAGE journal online, Springer link, Taylor and Francis online. University has subscribed 96 periodicals (Print journal / Magazine) to update the knowledge of faculty members, scholars and students. More than 20 faculty members have completed and certified for 50 MOOC courses.

The library has subscribed e-resources through UGC-INFLIBNET, EBSCO, AGRICOLA and CABI databases. Literature searches by faculty members are carried out through research databases such as American Chemical Society (ACS), Web of Science, Cochrane library, PubMed, Google Scholar, Elsevier and Springer for updated teaching-learning process.

The University library subscribes DELNET facility to exchange the documents among teaching fraternity of various universities in India. All the faculty members are assigned email IDs with the University domain, which enable them to disseminate teaching-learning materials to the students and are encouraged to create VIDWAN database to expose their expertise.

Faculty members are trained to use Microsoft word, spreadsheet, power point and also Google doc, Google sheet, Google slides and SlideShare to transfer the templates and databases. Google forms, Quizizz, Testmoz and Kahoot online tools are used to conduct online quizzes and data transfer.



Faculty members have adopted course specific Software and Apps like Design Expert (Stat-Ease) 13.0, Matlab R 2008 A, DIGEST, DietCal, Nutrify India APP, BMI Calculator APP, Calorie Calculator App, EPrint 3.4.2, NewGenLib 3.0.3., DSpace V8.0, Evergreen 3.7.1, Koha 20.05.00, Drupal 9.0.0, WordPress 5.6, Joomla 3.9.28, ChemDraw 20.0 and MATROX IIL 9.0.

ICT integrated tools like Microsoft Windows Server 2003R2, Microsoft Windows Server Data Center 2008 R2HTC VIVE, OCULUS GO, Smart Boards, Jamboard, whiteboard and InsertLearning are used by faculty for interactive teaching process.

Faculty members use the statistical tools such as SPSS 17.0, R 4.1.1 and SPSS AMOS 26.0 for teaching, learning and research.

Geological tools like ArcGIS version 10.2.2, 10.4.1, ERDAS Imagin and ENVI 5.3, QGIS, IIRS outreach programme (ISRO) and Google Earth are used for geological information survey and geological mapping.

Bioinformatics tools such as Expasy and open source tools provided by National Centre for Biotechnology Information (NCBI) and European Molecular Biology Laboratory (EMBL) are used for gene mapping and genomic analysis.

ERP software like Tally and Inflow Inventory Management are taught to the students.

E-contents developed by faculty are checked for its originality by URKUND / Ouriginal software.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

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

**Response:** 6.78

#### 2.3.3.1 Number of mentors

Response: 153

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

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

**Response:** 93.7

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 93.19

#### 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
145	145	146	149	136

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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 10.15

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

**Response:** 1553

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**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:** 27.13

**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
4	10	9	9	10

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:** 10

**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
9	9	13	9	10

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 0.65

#### 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
0	19	19	17	12

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:**

#### IT Integration in Examination Procedures:

The entire examination process of the University is automated, thus speeding up the functional mechanism, making the whole process more transparent and efficient. The Examination Management System (EMS), a component of Student Information System is configured with self-service portal for students and department heads. It helps in smooth holding of ICT enabled examination process like admission, registration and approval, examination fee payment, hall ticket generation, Continuous Internal Assessment (CIA) mark entries, result publication, mark sheet generation, consolidated grade card, provisional and degree certificate.

The answer booklets are barcoded to maintain confidentiality. Results are being sent to the mobile numbers of students through SMS. Published results are also made available in the University website.

#### Examination Reforms:

- Online registration of student details
- e-Generation of Hall Tickets
- Self-detailed barcoded answer scripts with photograph of the students
- Conduct of MCQ test through Google form in CIA
- Knowledge level assessment in end semester examination through specially designed questionnaire which includes MCQ in Part A, descriptive questions in Part C covering K1 and K2 and analytical questions in Part B covers K3 to K5
- Entry of CIA and end semester examination marks in EMS
- Publication of results in University website as well as communication through SMS, WhatsApp groups and E-mail
- Digitalising mark sheets and degree certificates through NAD and e-SANAD online server.

#### **e-SANAD:**

The e-SANAD online service was introduced in January 2020 as a part of digital India initiative. More than hundred applications were received through online and all the applications were processed and completed within a day or two. This system simplifies and helps the students to get attested copies of their certificates quickly without submitting the hard copies of the applications.

#### **National Academic Depository (NAD):**

A separate cell namely "PU NATIONAL ACADEMIC DEPOSITORY CELL" has been created and has uploaded more than 5,000 degree certificates of students in the University departments. Process is also going on to upload the degree certificates of students from the affiliated colleges of Periyar University. Initiatives have been taken to create Digilocker ID for every student of the University department at the time of admission.

<b>File Description</b>	<b>Document</b>
Year wise number of applications, students and revaluation cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### **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)

<b>File Description</b>	<b>Document</b>
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

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

#### **Response:**

All programmes offered by University departments are mandated to adopt outcome based education curriculum as per UGC and AICTE guidelines by specifying Programme Outcomes (PO), Programme Specific Outcomes (PSO), Course Outcomes (CO) and attainable graduate attributes. The outcomes are mapped with University vision and mission (Educational Objectives).

The programme outcomes and programme specific outcomes for each programme of University departments are uploaded in the University website and poster boards are displayed in each classroom to promote its importance.

The spelt PSOs and COs are integrated into assessment process by designing a common question paper pattern for the end semester examinations. The external evaluation comprises of MCQ in Part A, descriptive questions in Part C covering K1 and K2 and analytical questions in Part B covering K3 to K5. The course outcomes of all units are equally distributed with proper weightage in the assessment process. The question paper pattern is published in the website and students are instructed periodically to concentrate on each course outcome and also acquiring graduate attributes spelt in the curriculum. Based on the course outcome attainment percentage, with knowledge competency by each student, the programme outcome attainment is measured.

The Rubric for CIA is designed for theory, practical, projects, field visits / trials and self-study courses and are proportionated for achieving course outcomes. Thereby, programme outcomes are achieved and graduate attributes are enriched. The evaluation criterion for each course outcome is balanced, midst technical, analytical, generic and communication skills.

<b>File Description</b>	<b>Document</b>
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

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

#### **Response:**

Programme outcome is measured directly as well as indirectly. The percentage of course outcome attainment and knowledge competency reflect the direct measurement of programme outcome. The impact of Outcome Based Education (OBE) is assessed indirectly by circulating the predefined proforma to each student at the end of the final semester.

The course outcome attainment is evaluated through designed matrix for end semester examinations, student portfolios, research projects and internship reports. The attainment percentage of course outcome by each student and by all students together is evaluated by the examination committee of the department. The content analysis is carried out to assess its difficulty level based on the course outcome attainment percentage. The difficulties are reviewed in the Board of Studies and accordingly curriculum is redesigned.

The percentage attainment of course outcomes is averaged for each course and all courses together in order to calculate the percentage of programme outcome attainment. The course outcome attainment is defined only in terms of end semester examination and the target level is defined as 25% of students score more than class average as low attainment, 50% of students score more than class average as medium attainment and 75% of students score more than class average as high attainment.

The programme outcome attainment levels are assessed as 80% score from course outcome attainment and 20% score in satisfaction survey using predefined proforma. The programme outcome attainment is described in three levels such as average, good and excellent.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

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

**Response:** 99.81

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

Response: 1059	
<b>2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.</b>	
Response: 1061	
<b>File Description</b>	<b>Document</b>
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
Response: 3.77	
<b>File Description</b>	<b>Document</b>
Upload database of all currently enrolled students	<a href="#">View Document</a>



## Criterion 3 - Research, Innovations and Extension

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### 3.1 Promotion of Research and Facilities

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

**Response:**

**Research Facilities:**

Faculty members actively undertake extramural research and consultancy projects funded by various government and non-government agencies. The University research facilities are continually updated with infrastructure, sophisticated equipment and software through the University grants, extramural research projects, RUSA, DST-FIST and UGC-DRS schemes to carry out high-quality research. The state-of-the-art facilities in Centre for Instrumentation and Maintenance Facility extends its support to the researchers of Periyar University, other institutions and industries.

The Computer Centre is updated with high-speed computing facilities for research and high-end server for providing campus-wide network and Wi-Fi connection. This allows students and teachers to access the digital resources for research, both on-campus and remotely.

The Central Library of the University serves as a hub of information and is periodically updated with e-journals, research databases and plagiarism software, which enable high-quality research, thesis writing and research publications.

The University provides funding assistance for research, creating new facilities, travel grants for presenting project proposals at national level, attending overseas conferences, filing patent / copyright / trademark and organising seminars / workshops / conferences. The University has established Business Incubation Centre to support the researchers for converting an innovative idea into an enterprise.

**Research Policy Implementation:**

Student research is mandatory in every PG programme and the students of UG programme are motivated to do mini-projects. Performing research is a partial fulfilment of the M.Phil. and Ph.D. degree programmes and is governed by the Board of Research Studies (BORS) of Periyar University. The University has a well-defined Research Promotion Policy to encourage the faculty to carry out quality research.

The University has a well-designed research portal which permits the students to apply for the common entrance examinations, registration, supervisor allocation, proposal presentation, doctoral committee meeting, course work, progress report submission, synopsis and thesis submission and evaluation to ensure transparency.

**Research Promotion Measures:**

Research scholars are advised to avail research fellowships through various funding agencies. As a unique feature, the University provides research fellowships of Rs. 6,000/- per month to 162 research scholars. Research scholars and faculty members are encouraged to conduct collaborative research with other

departments, institutions, industries and international bodies.

- The University provides financial assistance to its scholars for presenting their research outcomes at national and international forums
- The University extends its support for research by providing up to one lakh per year to each department to organise research conference and workshop
- The University encourages international collaboration by Inviting renowned professors from overseas to explore new areas of research
- The University allocates 20% of its budget to promote research activities and offers 15 Postdoctoral Research Fellowships
- The University provides 40% share of the overhead charges of the funded research projects to Principal Investigators to develop infrastructure
- Special assistance is given to the decennial departments to the tune of Rs. 5.00 lakh to enhance research infrastructure
- To ensure quality research, the research supervisor approval is given after ascertaining their publications in SCI/SCIE/SSCI/ESCI journals.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

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

**Response:** 163.47

#### 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
305.8	99.3	85.2	156.25	170.8

<b>File Description</b>	<b>Document</b>
Minutes of the relevant bodies of the University	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **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:** 3.23

#### **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
4	5	4	7	5

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>

### **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:** 523

#### **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
90	121	126	111	75

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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
10. Any other facility to support research

**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	<a href="#">View Document</a>
Paste link of videos and geotagged photographs	<a href="#">View Document</a>

### 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:** 48.15

#### 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: 13

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

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

**Response:** 15.2

**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
7.0	7.0	0	0	1.20

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>

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

**Response:** 3146.55

**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
205.205	729.32	412.8	1072.37	726.85

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government	<a href="#">View Document</a>

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

**Response:** 4.39

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

Response: 136

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

Response: 155

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

## 3.3 Innovation Ecosystem

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

**Response:**

**Innovation Ecosystem:**

The University has membership in MHRD Institution Innovation Council to explore innovative ideas from research for its prototyping and industrial trials. It has undertaken various initiatives for the creation and transfer of knowledge, technology and products, which include the following;

- Special workshops and training for research scholars and faculty
- Creation of specialised centres and cells such as,

Intellectual Property Rights (IPR) Cell

Knowledge Transfer Centre (KTC)

Incubation and Technology Transfer Centre

Periyar University Business Incubation Confederation (BIC@PU)

**Business Incubation Centre:**

BIC@PU is a start-up business incubator hosted in Periyar University, registered under the Ministry of Corporate Affairs as a Section 8 Company. It is supported by Entrepreneurship Development and Innovation Institute (EDII), Tamil Nadu by providing a financial assistance of Rs. 100 lakh. It is governed by a Project Management and Review Committee of EDII-TN and Board of Governance (Special Purpose Vehicle). It is led by Board of Directors and Incubation Managers and branded as BIC@PU. It earmarked its division and services by following a guidance framework for higher education institutions defined in Tamil Nadu Startup and Innovation Policy and MHRD National Innovation and Startup Policy 2019 for

students and faculty.

The incubator specialises in the domain of Food Science and Nutrition. But, it also supports ideas from other domains, when the entrepreneur is passionate towards their work. It has extended its support and services including mentoring and business assistance, food testing, food licensing, co-working space, networking linkages, full-fledged extrusion line, snack bar unit, bakery unit and training hall for potential entrepreneurs and Startups. Nearly, 18 incubatees are supported, each working on different ideas. At present, four are graduated into MSME registered and FSSAI licensed companies and two are graduated into Startups.

The incubator has created an entrepreneurial ecosystem among 4,200 beneficiaries by conducting seven workshops on innovation tools and techniques, nine ideation camps, six training programmes, five awareness campaigns, 19 webinars, one idea contest, one open mic and eight virtual internships of 15 to 30 days. By all these, BIC@PU has generated a revenue of Rs.5,35,349/- for its sustainability. It has a well-deserved mentor pool consisting of 17 external mentors from academic institutions, established startups, startup communities, industries, ventures, consultants, co-incubation centres and farmer producer companies to assist incubatee.

#### **Incubation and Technology Transfer Centre:**

The University has established an Incubation and Technology Transfer Centre to train and mould students to initiate information technology-based startups. This centre has trained 120 students during the assessment period.

Other initiatives for transfer of knowledge:

The Knowledge Transfer Centre is established to provide knowledge solutions and services to society. All consultancy works carried out by the faculty members, by adopting consultancy policy, are recorded under KTC.

Periyar University conducts exhibitions, trade fares, hands-on training and farmer interaction meetings. Faculty through their expertise provide solutions to the prevailing problems and help in drafting SOPs for industries and corporate sectors.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 325

#### **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
100	73	55	48	49

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 115

**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
38	25	16	25	11

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**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	<a href="#">View Document</a>
e- copies of the letters of awards	<a href="#">View Document</a>

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

**Response:** 16

**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
9	3	1	2	1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 4.32

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

**Response:** 436

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

Response: 101

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

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

**Response: 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
430	343	266	218	446

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **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: 7.44**

#### **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
119	272	215	181	365

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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. Any other Government Initiatives
6. For Institutional LMS

**Response:** C. Any 3 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 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:** 8.32

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 41

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 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:**

Periyar University encourages its faculty members to involve in consultancy work with industries, government, non-government organisations and professionals / individuals. This is mainly provided to catalyse the expertise of people from external organisations by educating and training them using the available resources. A dedicated knowledge transfer centre has been established to monitor the consultancy works and activities. It has an active consultancy policy to guide the faculty by its regulations. The following consultancy services are offered by the University:

- Software consultancy
- Research based consultancy
- Industrial consultancy
- Collaborative consultancy
- Extension activities
- Human resource development

The University Knowledge Transfer Centre serves as a single-window for the establishment of a partnership between industries and the research and development establishments for research consultancy and training programmes in the University. The Centre has formulated guidelines to undertake consultancy by the investigators of Periyar University. The duration for the consultancy services can be for specific periods of three months, six months, one year or as per the requirements of the client.

The consultancy service has been categorised into advisory and general consultancies. The University gets 10% of the total consultancy charges and the remaining amount is shared between the consultant (70% in case of Advisory consultancy and 65% in case of General consultancy) and the respective department (20% in case of Advisory consultancy and 25% in case of General consultancy). The University has generated a sum of Rs. 31.54 lakh for consultancy services in research and a sum of Rs. 302.46 lakh for training personnel from various agencies in the past five years.

The major research consultancy undertaken by the faculty members include,

- Hydrological and Geological Analysis for Global Mining Solutions, Salem
- Food Product Development and Testing for Heal U Healthcare, Punjab
- Ground Water Exploration Services for Alambadi Cattle Breed Research Centre
- Development of bioactive metabolites from actinobacteria to control prawn and fish disease for VIRBAC, Mumbai
- Knowledge transfer and advisory services for various companies in financial and managerial aspects

The University has developed human resources by conducting various training programme for the personnel of various companies and rural women. Within the last five years, 1,151 members were trained by the University. The major training programmes conducted by the University include FSSAI - FoSTaC Training, Clinical Hypnotherapy, Motivation and Psychological Skills in classroom management. The

Tamil Nadu Corporation for Development of Women Ltd, Chennai has provided Rs. 266.84 lakh for skill training for rural women students, of which 350 students will be benefited. Nearly 500 students were trained for various competitive examinations, for which the Government of Tamil Nadu has sanctioned Rs. 34.25 lakh.

A total amount Rs. 334 lakh of revenue has been generated through the consultancy services during the assessment period. The revenue is shared between the consultant faculty and University at the ratio of 70:30. The receipts and the utilisation of consultancy funds are governed by the University and the expenditures are subjected to regular finance audit as per the Government norms.

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

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

Response: 340

#### 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
275.255	25.177	0	39.37	0.2

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.6 Extension Activities

**3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.**

**Response:**

Periyar University aims to play a vital role to improve the quality of life in the neighbourhood community in a better way. It has achieved this objective by engaging the faculty, students and non teaching staff through NSS, YRC units, Women's Studies Centre and the academic departments. More number of awareness programmes has been conducted to emphasise the importance of health and cleanliness related issues. To address the social issues, training programmes were conducted for volunteers to serve the society.

**NSS Activities:**

- NSS Cell received a sum of Rs. 276.55 lakhs for the activities of its units from the state NSS cell. Subsequently, Rs. 6.3 lakhs was received as a corpus fund from the units of Periyar University
- Maintaining cleanliness in and around the living space and creation of awareness regarding the role of a clean environment in human health through voluntary activities were stressed by the NSS and University departments under the National Swachh Bharat Abhiyan scheme
- NSS volunteers celebrated International Yoga Day, Republic Day parade selection, National Unity Day and Fit India Movement. They conducted Swachh Bharat Summer Internship, training for NSS Programme Officers, campaign on pulse polio drops and distribution of nilavembu kasayam
- Organised competitions to observe 150th Birth Anniversary of Mahatma Gandhi, Unity rally on Sardhar Vallabhai Patel's birthday, clean the campus, remove the plastics and COVID-19 awareness programme
- The University in association with the district collectorate, Salem has conducted mass tree plantation, world environmental day, awareness meeting on Jal Sakthi Abhiyan, eradication of untouchability, awareness rallies on National Voters Day, ill effects of alcoholism and usage of tobacco, walkathon awareness rally, blood donation camps, free Aadhar updation camp and vigilance awareness programme
- The NSS units distributed relief materials in Gaja cyclone affected areas.

**YRC activities:**

YRC has conducted 14 awareness programmes that include World Environment Day, 100 years of YRC celebration, zonal level orientation for YRC POs and volunteers, two-wheeler rally, corona awareness to public.

**Women's Studies Centre activities:**

UGC funded Women's Studies Centre (WSC) of Periyar University actively organised various programmes under the themes, viz., health, hygiene, nutrition, gender equality, legal aid, women entrepreneurship and personal financial portfolio planning, every year for the welfare of women.

**Departmental activities:**

Periyar University departments have conducted 23 events that emphasise training on mushroom cultivation for women, short term embroidery, dengue awareness, well-being for school students and hope building programme for slow learners. Further, awareness programmes viz., Beti Bachao Beti Padhao, minimum usage of water, eradication of plastics, risk factors of non-communicable diseases and smoking, measles

immunization, mental health of youth, Tamil computing, remedial coaching for the preparation of public board, awareness on environmentally important days and events, soil conservation and digital photography for tribal youth were conducted.

The University has adopted Venkayanur, Sangeethapatti and Kottagoundampatti villages for executing periodical cleanliness drives, conducting health and nutrition surveys, creating awareness on pandemics and precautionary measures and providing skill-based trainings in association with Sevak Foundation, USA.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 43

#### 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
10	20	5	5	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

**Response:** 109

#### 3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
40	29	22	11	7

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

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

**Response:** 105.98

#### 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
1605	1449	1353	777	768

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 3.7 Collaboration

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

**Response:** 227.6

#### 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
442	324	208	112	52



<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>

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

**Response: 65**

**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
18	8	3	5	31

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the MoUs with institution/ industry	<a href="#">View Document</a>

## 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:**

**Teaching-Learning Facilities:**

Spread over 38.64 ha (95.48 acres), Periyar University campus is located at 11.7186 degrees North and 78.0769 degrees East, on the Salem-Bengaluru National Highway (NH 44). The University has excellent infrastructural facilities with plinth area of 83,334 sq. m. The campus has 1 Gbps bandwidth Wi-Fi connectivity for effective teaching-learning process and research.

**Classrooms:**

For teaching, a total of 72 classrooms are available, out of which, 22 were newly added during the assessment period. Women's Studies Centre has a classroom for itself to offer supportive courses. There are 11 seminar halls in the University with varying capacities. All classrooms and seminar halls are equipped with ICT facilities for providing better learning environment to the students, in addition to the conventional chalk boards. Apart from LCD / smart board facilities, XP-PEN, graphic drawing tablets and digital art pads with screens were also added to manage the e-learning process during the pandemic. Five DTH dishes are installed to receive SWAYAM PRABHA free channel, by which educational videos are telecasted on divergent disciplines of arts and science.

**Laboratories:**

The University has a total of 99 research laboratories, of which, 44 have been established during the assessment period. All the research laboratories are well equipped with Wi-Fi and internet connectivity with computing facilities. An exclusive Common Instrumentation and Maintenance Facility (CIMF) was established with Scanning Electron Microscope, Gas Chromatography-Mass Spectrophotometry, High Performance Liquid Chromatography and Single Crystal XRD during this assessment period to undertake advanced research. Faculty members have setup specialised research laboratories through their project funds. An animal house is under construction to support *in vivo* research being conducted by various science departments. Every year, University allocates sufficient funds for purchasing required chemicals, glassware, equipment and also for annual maintenance of the laboratories.

**Computing Equipment:**

All the departments are equipped with computers, printer cum scanners with internet and Wi-Fi facility. The University is already equipped with four computing server facilities for teaching, learning, research and examination purposes. The High Performance Computing facility with four CPU, four GPU and InfiniBand interface has been established during the assessment period. To support the student learning process, 125 computers have been installed in the Common Computing Centre, out of which 40 were newly added. The University Central Library has 71 computers for accessing the on-line journals, e-books, e-journals and other e-resources.

**Other Facilities:**

A separate multipurpose hall is available for the academic activities, yoga classes and other events for the benefit of students. The Health Centre is equipped with healthcare equipment for carrying out experiments related to Biochemistry, Clinical Nutrition, Food Science and Zoology course works. The University has a distinguished museum to maintain geological records; the zoological museum keeps the voucher specimen and the herbarium collections to identify the plant species. The Estate Office ensures a conducive academic environment in terms of maintenance of civil and electrical works.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)****Response:****Facilities for Cultural Activities:**

The regular cultural activities at the University are organised by the Periyar Fine Arts Association either in the University auditorium or at the multipurpose hall that are well equipped with audio and video devices. During the assessment period, students and research scholars actively participated in various cultural events conducted using these facilities on the eve of Founder's day, Independence day, Republic day, Pongal and Onam festivals, Salem 150th year celebration to explore the vibrant Indian culture.

**Facilities for Indoor Games and Sports:**

A high roof indoor stadium (987 sq. m) is constructed with Gymnasium facilities under the financial assistance of Rs. 70 lakh by UGC and Rs. 79 lakh by the University. The indoor stadium of the University comprises a shuttle court for single and doubles, volleyball court, table tennis court, taekwondo and kabaddi. In Gymnasium, pedalling, power-lifting platform, tread mill, dumbbells (with different weights) and other accessories are available. These facilities are well-utilised by the students, sports personnel, faculty and non teaching staff.

**Facilities for Outdoor Games and Sports:**

The outdoor games and sports facilities are established with an area of 34,700 sq. m to facilitate the organisation of Football, Handball, Cricket, Kho-Kho and other athletic events. Two Basketball courts (2,000 sq. m), two Badminton courts (2,000 sq. m), two Kabaddi courts (1,980 sq. m), and two Volleyball courts (1,980 sq. m) are also available. All-India South Zone Level Kabaddi, regular Volleyball, Football and Basketball tournaments are organised and conducted by the University. Recently, the Ministry of Youth Affairs and Sports has sanctioned grants worth Rs. 700 Lakhs for the laying of synthetic athletic track under 'Khelo India Scheme' with an additional share of Rs. 266 lakh by the University.

**Yoga Centre:**

Yoga centre is functioning in the amenities block with an in-built area of 167 sq. m. A specially trained Yoga master regularly conducts programmes for students, faculty and staff members and recently three yoga programmes have been organised during COVID-19, pandemic.

**Periyar Auditorium:**

Periyar Auditorium with three storeys built over an area of 3,297.50 sq. m. with a seating capacity of 1,200 is being utilised for academic, administrative, cultural and Government programmes. It has been refurbished with a sophisticated AV system, a centralised air conditioner and ramp facilities. The Periyar Fine Arts Association is also functioning in the premises of this auditorium.

**Other Facilities:**

A Children's park covering an area of 240 sq. m has been established under the financial assistance of UGC. The presence of Day Care Centre greatly helps the women faculty and non teaching staff.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.1.3 Availability of general campus facilities and overall ambience****Response:****General Campus Facilities:**

Periyar University has always been the hub of higher education for the rural and economically challenged community of four districts. Transportation facilities are easily available. The University is maintaining the greeneries with the lawns, 711 matured trees, having capacity to sink 15.5 tons of carbon dioxide per annum, add a green cover to the campus. Ten vehicle parking sheds have been newly constructed both for two and four wheelers. Ten stone benches are sponsored by alumni and philanthropists to provide a conducive ambience for learning. Common rest room facilities for men and women are available, exclusively for visitors, near the entrance. Each building has ramp facility to support the differently abled people. Elevator facilities are available in the administrative block, science blocks and central library. A generator with a capacity of 500 kVA, two transformers (1,130 kVA) with level II energy efficiency and 300 kW solar roof-top panels have been installed.

An exclusive branch of Canara bank, two ATMs, post office, co-operative store, canteen and milk parlour are available inside the campus for the benefit of stakeholders. The biodiversity garden adds feather to the cap of campus beauty with aesthetic sense. Its presence is a habitat for some creatures. A medicinal crop cafeteria is established to enrich students' knowledge and research activities. Separate hostel facilities are

available for both men and women and the latter has incineration facility to ensure the hygienic ambience. The University guest house has four VIP suites, 27 air-conditioned rooms, that are well furnished, and has its own kitchen and dining hall. Purified water facility is available for drinking purpose at strategic locations. The Tamil Nadu Water Supply and Drainage Board is supplying three lakh litres of Cauvery river water per day to the University. Rainwater harvesting system is mandatorily established in all buildings (31,500 sq. m.) which have the capacity to recharge more than 140 lakh litres of water per annum. The wastewater from various buildings and hostels are treated at the primary sewage treatment plant, which has a capacity of 120 KLD and used for irrigating campus flora.

A separate building, constructed with a cost of Rs. 470 lakh, is allocated for the Business Incubation Centre. An experimental animal house is being established as per the norms of CPCSEA, Ministry of Environment, Forest and Climate Change. Common Computer Centre having 125 computers is available for the benefit of students and scholars. A Women's Studies Centre, funded by UGC, is established to sensitise faculty, non teaching staff and students, on gender issues and equality. The University health centre is well equipped with all diagnostic facilities, to carry out first-aid and preliminary medical needs. The Centre for Instrumentation and Maintenance Facility is augmented with high throughput instruments like Scanning Electron Microscope, Single Crystal XRD, GC-MS and High Performance Computers, duly supported by RUSA grants to the tune of Rs. 386 lakh. This centre also provides servicing of computers, laptops and other available academic equipment, free of cost.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 47.4

##### 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
278.53	262.87	2663.97	883.65	1075.92

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

#### Library Management System:

Periyar University library is well stacked with 98,482 volumes of text and reference books, e-Books, online databases, 2,713 CD/DVD and audio cassettes on various disciplines. The library subscribes 73 print and 249 online journals, 51 magazines and 13 newspapers. UGC-INFLIBNET has permitted the University to access more than 7,000 online journals. A separate section is available in the library for 'Periyar Padaippugal' (Publications of Periyar) with 987 books pertaining to social reforms of E.V.Ramasamy, known as "Periyar", as the University is named after him. The library follows open access system and provides services to meet the requirements of postgraduate students, research scholars, faculty of the University and the affiliated colleges. The library has various sections for text books, reference books, materials for competitive examinations, theses and dissertations, back volumes, photocopies and question banks. All e-resources are accessible both within and off the campus.

The University library operations are automated using the Library Management Software (LMS), known as 'Koha 20.05.00'. Books available in the library can be searched using Online Public Access Catalogue (OPAC). Radio-Frequency Identification (RFID) technology ensures the issue of books securely to the users. The features of the automation software include module for acquisition of books, processing and accession register, circulation such as issue, return and renewal, serial control to take care of all journal subscriptions, vendor details, online reminders for non-receipt of journal issues, etc. and generate various types of reports and statistics.

E-gate register is introduced in the library to record the visits of the users. They are asked to bring their bar-coded ID card to record their visit. The library provides a separate platform for accessing institutional repository, which includes research articles published by the faculty, previous question papers and convocation addresses, by using DSpace software. Selective Dissemination of Information Service (SDI) is also available on request. The University library conducts orientation programmes regularly for the freshers on library rules and regulations, services, plagiarism and on remote access facilities. The University signed MoU with DELNET and UGC-INFLIBNET for providing Inter Library Loan (ILL) services and Digital Library Consortium to establish the Electronic Theses and Dissertations (ETD) Lab in the University Library. Currently, 2,176 theses are uploaded in Shodhganga. The University provides much attention to check the plagiarism of M.Phil. and Ph.D. theses using URKUND/Ouriginal software to ensure the originality in research. The library supports the learning of visually impaired students through NVDA (NonVisual Desktop Access) screen reader software.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**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:** 27.22

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
64.11	7.11	13.26	10.75	40.87

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 9.5

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

Response: 113

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

## 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:** 100

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

Response: 83

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:**

**Information Technology (IT) Policy:**

Information Technology policy articulates the University's vision, strategy, values and principles, as they are related to the management and use of information and information technology resources, while supporting core academic, research, teaching and learning missions. Further, IT policies also ensure compliance with applicable laws and regulations, promote operational efficiency and manage institutional risk by specifying requirements and standards for the consistent management of IT resources across the University. It is designed to guide organisational and individual behaviour and decision making. The proper use of licensed software by the University or individual is ensured to carry out the administrative / academic activities.

**Budgetary Provision:**

The University has appropriate budgetary provision for IT and Wi-Fi facility augmentation, maintenance and up-gradation. During this assessment period, the University has spent Rs. 160.19 lakh for the purchase of computers, Rs. 57.57 lakh for the purchase cum upgrades of software and Rs. 100.36 lakh for the establishment of networking facilities.

**Updates of IT and Wi-Fi facilities:**

The plans for IT infrastructural development are given top priority to provide adequate infrastructure and effective teaching-learning. The strategies adopted, for ensuring updates, are based on the suggestions received from the network engineers, head of the departments, centres and cells at the beginning of the academic year. Effective utilisation of IT infrastructure is ensured through the appointment of adequate and



well qualified technical staff / system administrator. Renewal of licences and Annual Maintenance Contracts are done at the beginning of the academic year, for the deployed software applications, Uninterrupted Power Supply (UPS) and generators. The MHRD provides 1Gbps internet connectivity through BSNL to support the University IT facilities. The institution has always been reviewing the needs of the stakeholders and accordingly, the internet bandwidth is allocated from time to time. The University has installed 76 access points including 19 indoors and 57 outdoor units to ensure uninterrupted Wi-Fi connectivity throughout the campus. Further, the bandwidth usage access data are analysed every year and the outcome will be used to improve the facilities. About 3,000 active users utilise 18,921 GB data during this assessment period.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** 1.11

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

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

**Response:** A. 71 GBPS

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### Other Upload Files

1	<a href="#">View Document</a>
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#### 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

<b>Response:</b> A. All of the above	
<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Links of photographs	<a href="#">View Document</a>

#### 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:** 20.79

**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
563.00	351.03	155.14	432.09	545.45

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

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

**Response:**

**Maintenance of facilities:**

The University has a well-defined procedure for the maintenance and utilisation of physical, academic and other support facilities like library, laboratories, sports complex, computers, classrooms, hostels, guest house, centres, cells and parking areas. A separate administrative section is ensured for maintenance of facilities. Every financial year, all the facilities available in the campus are subjected to physical verification of stocks by internal members. High-end equipment, computers, printers, photocopiers and air conditioners are maintained through Annual Maintenance Contracts system.

## **Physical Facilities:**

Estate Office is functioning to establish and maintain buildings, roads, campus, gardens, biodiversity garden, children's park, biogas plant and sewage treatment plant. The leaf litter and the fallen barks are collected on a daily basis and dumped in composting pits for preparing nutrient enriched vermicompost that are utilised for manuring gardens. The electrical engineering section looks after the repairing and refurbishment works pertaining to lighting, fan, air conditioners and other electrical fittings on regular basis. For ensuring uninterrupted power supply, a generator with a capacity of 500 kVA and two transformers (1,130 kVA) with level II energy efficiency are installed. All the buildings are provided with purified water facility and are regularly maintained. Fire extinguishers and lightening arrester are fitted and serviced periodically in all the buildings as per the safety norms. Food Safety and Standards Authority of India (FSSAI) licenced canteen and University hostel kitchen are audited for its physical facilities as per FSSAI norms.

## **Academic Facilities:**

### **a. Classrooms**

The student desks, benches and floors of the classrooms are meticulously cleaned and maintained on a daily basis in all the departments. Teaching aids like computers, LCD projectors, smart boards and black boards are maintained regularly.

### **b. Laboratories**

Annual Maintenance Contracts are undertaken for the maintenance of sophisticated equipment in all the laboratories. The repair and maintenance of laboratory equipment, electronic devices and computers in the University are managed through Central Instrumentation and Maintenance Facility (CIMF). The solvents, acids and other hazardous chemicals used in the laboratories are stored and disposed off, according to the hazardous waste management guidelines. Biological and culture wastes are properly decanted and disposed off, as per the norms of biosafety procedures. The gas pipelines in the laboratories are regularly monitored and periodically replaced.

### **c. Computers**

Computers are maintained with the support of authorised service engineers and technical staff of the University. Licenced and open-source software are automatically updated. The SonicWall Firewall has been installed and maintained at the Computer Centre for integrated gateway antivirus, integrated intrusion prevention, integrated application control with VPN load-balancing throughput network. The obsolete computers, printers, photocopiers and UPS are replaced with new ones based on buyback policy. Some of the computers with lower configurations are donated to the neighbouring Government schools.

### **d. Library**

The library databases are secured using antivirus and cyber security system. All the back volumes and precious books and journals are preserved in the form of bound volumes (Hard board binding). The library books and journals are properly maintained by protecting them from insects and rodents using rodent traps and insect repellents. The library system is effectively managed by implementing specific timeline to return the books in order to avoid fine and prevent the loss of books. Books are maintained in separate

locations for each department in addition to the preservation of M.Phil., Ph.D. and D.Sc. theses. Department-wise accession numbers are assigned for the books purchased for the departments concerned to avoid misplacement of books.

### **Sports Complex**

The running tracks of the sports complex are regularly cleaned and the surface is evenly maintained using the roller. Apart from manual weeding, recommended herbicides are also applied on quarterly basis, to the playground. The courts are marked regularly as per the standard guidelines stipulated by Sports Authority of India by well-trained markers and monitored by the Director of Physical Education. The court fencings and floorings are repaired as and when required. Basic appliances in gymnasium are cleaned twice a day. Treadmills and other weight training equipment are maintained with proper lubrication from time to time for friction-free motion.

### **Utilisation Mechanism:**

The physical, academic and other supporting facilities are utilised effectively with proper schedule, prepared at the beginning of every semester based on the needs and requests. The utilisation of laboratory equipment is witnessed by maintaining individual log register while stock registers are maintained to ascertain periodical utilisation of chemicals and other consumables. Further, analytical equipment and laboratory facilities are extended to other academic institutions and industries for effective utilisation. Students are allocated an hour in a week on mandatory basis to avail the library facilities and resources. On a daily basis, about 25 percentage of students, scholars and faculty have effectively accessed the library resources.

Students are motivated to utilise the sports complex by allocating an hour in a week for each department to ensure physical health and fitness. Further, students are also encouraged to utilise the physical facilities of sports complex to train themselves on specific sports and games to compete at State, National and International level. Both indoor and outdoor sports facilities are effectively utilised for intensive training by Sports Development Authority of Tamil Nadu (SDAT), defence corridors, private organisations and associations. Inter-departmental, inter-collegiate, inter-university and All India level competitions are also organised in sports complex.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 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:** 107.29

**5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2019-20	2018-19	2017-18	2016-17	2015-16
1801	1266	1207	918	826

#### 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 as offered by the Institution during the last five years.**

**Response:** 74.93

**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
1453	1247	345	497	556

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**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	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 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:** 58.17

**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
25	39	35	46	15

**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
75	60	54	58	31

<b>File Description</b>	<b>Document</b>
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** 16.77

**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
241	225	166	122	136

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** 13.01

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

Response: 138

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

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

**Response:** 39

**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
4	11	15	4	5



File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### Response:

#### Representation of Students in various Associations and Clubs:

Students are nominated to act as members in Institution Innovation Council of MHRD and Periyar University Business Incubation Confederation (Section 8 Company). The student representatives of Periyar University are invited as special invitees to participate in the Board of Studies and their views and suggestions are considered while formulating new curricula and their updation.

The University offers numerous opportunities for students participation in co-curricular, social, sports and community development activities. The Periyar University Department Associations and Clubs viz. Fine Arts Club, Well-Being Club, Periyar University Microbiology Club (PUMIC), Periyar University Biotechnology Association (PUBA), Literacy Club, Food and Nutri Youth Club and Hostel Welfare Committee are governed by student representatives of the respective departments for organising various academic and cultural programmes based on the thrust areas of their domain. Through these clubs, students represent their views and requirements to the head of the departments / co-ordinators and resolve their issues.

Student Grievance Redressal Cell and Anti-ragging Cell have disciplinary maintenance committee with student representatives to handle the complaints raised by the students. The student representation is also ensured in Internal Complaint Committee (Anti-sexual Harassment Cell) and Gender Sensitisation Committee formulated as per UGC-MHRD guidelines under Women's Studies Centre.

The objectives of the associations and clubs are:

- to explore the student views and representations with proper weightage
- to organise inter-collegiate and inter-department programmes during special days of celebration
- to address the social issues
- to organise field visits at the department level
- to attain graduate attributes.

#### Activities for Institutional Development and Student Welfare:

- Periyar University Department Associations and Clubs are organising research conventions, student seminars and interactive sessions, platforms for exposing their talents and outreach activities that enabled their expertise and compete themselves in various competitions at national and

international level

- Food production and service in the hostels are monitored by student hostel execution committee which runs a transparent administration by overcoming the challenges
- Student grievances are redressed effectively through Anti-ragging cell, Internal Complaint Committee (Anti-Sexual Harassment Cell)
- Gender sensitisation committee organised various sensitisation programmes to create awareness on gender equality
- Centre for Swami Vivekananda Studies inculcates the values of Swami Vivekananda through competitions, book readings and awareness programmes.

The representation of students at all levels is assured and their welfare is well taken care of.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

Response: 6

#### 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
8	4	6	7	5

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

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

**Response:**

Periyar University Alumni Association (PUAA), Salem is registered under section 10(1) of the Tamil Nadu Societies Registration Act 1975 and its registration number is 142/2011.

**Objectives of the Alumni Association:**

- To bring the former students of all the departments of Periyar University under one forum for exchange of expertise, dissemination of knowledge and talents amongst its members and also for the furtherance of fellowship and recruitment
- To provide placement opportunities to the entire alumni through job fairs and also to initiate linkages with various industries
- To create awareness about the educational opportunities through e-transmission groups
- To create and establish alumni endowments for granting scholarships, prizes and medals to the students showing high proficiency in their studies and honour former students of the University
- To promote cooperative society to provide books, stationeries, food and any other necessities to the students and others at a subsidised cost in the University premises
- To collect funds by subscriptions, contributions, donations and gifts from members, non-members, governments, universities, other institutions, NGOs and philanthropists for the furtherance of the above objectives
- To render financial aid for the academically deserved and economically deprived students
- To offer financial assistance to deserving alumni on compassionate grounds
- To organise cultural and educational programmes and also to conduct alumni day celebrations every year
- To help the students to solve technical and job oriented issues
- To create awareness about the harmful effect of plastic and non-degradable items.

**Activities of the Alumni Association:**

PUAA is flourishing in each department and about 2,050 alumni have registered as members. Five programmes were organised to explore the views and experiences of the alumni. PUAA encouraged all the departments to organise annual alumni meeting to get feedback for the betterment of the teaching, learning and research activities.

**Outcome of the Alumni Association:**

- To create alumnus endowments to provide endowment scholarships to the poor students enrolled in the University departments
- Alumni contribution in terms of money and materials to the tune of Rs. 9.75 lakh.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** D. 5 Lakhs - 20 Lakhs

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

NAAC

## 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:**

Periyar University is committed to the social upliftment of the students in the areas enshrined in the Vision and Mission statements. The administration ensures quality and excellence in teaching, research and outreach activities. An enabling environment and far-sighted initiatives provide enthusiasm for innovation in the campus. A transparent administrative and academic governance are reflected in the form of e-governance, faculty performance appraisal, effective student assessment, demand driven research, systematic audits and participative management.

Periyar University is governed by its act, statutes, regulations and rules enacted by Periyar University Act 1997 of the Legislative Assembly of the State of Tamil Nadu. The Vice Chancellor along with the Syndicate, Senate, Planning Board, Standing Committee on Academic Affairs and Finance Committee execute the task of development, implementation and improvement of decentralised management system.

The Internal Quality Assurance Cell (IQAC), Board of Studies (BoS), Curriculum Development Cell (CDC) and Standing Committee on Academic Affairs (SCAA) are governed by the Vice Chancellor to ensure transparent academic activities. The IQAC initiates and ensures the academic quality and sustenance. The BoS, CDC and SCAA design and implement new curricula for educational transformation. The BoS frames and updates curricula as per the need and current requirements. The CDC is responsible for the participation of stakeholders and implementation of developed curricula. The SCAA approves the entire proceedings of BoS and CDC.

The academic activities of the affiliated colleges are facilitated and streamlined by College Development Council. The Registrar, Controller of Examinations, Directors, Deans and Heads of the departments actively participate in the academic activities and frame policies under the guidance of the Vice Chancellor. Thus, the above governance is finally reflected in the form of automation, establishing new departments, programmes, encouraging faculty members to publish quality articles, knowledge management and dissemination.

The mission statements envision the unique features of Periyar University. It serves the students community by educating them in various disciplines, keeping in view of the recent patterns, demands and needs of the society. Course planning incorporates the tradition of the nation, human values, social welfare and professional ethics in the curricula. Skill based Add-on courses are offered to students to equip their employability and entrepreneurial skills relevant to the industries. The University celebrates the days of national importance and that of local ones such as, Thanthai Periyar birthday, Swami Vivekananda birthday (National Youth Day), Pongal (Makarasanthanthi), Onam, Pooja and other festivals to preserve the cultural identity. Transparent governance by the leadership of the institution is a success in terms of the decentralised decision making and departmental autonomy.

The governance of the institution is motivated by well formulated policy on teaching, learning, research, consultancy and outreach. The University further extends financial support to the students and faculty to

improve their knowledge and lifestyle.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### **Response:**

The University promotes participative and egalitarian administration, duly guided through transparency, by including and motivating the faculty at the grass root level. This could be ascertained by the adequate representations accorded to the faculty and students in appropriate bodies. This has set up the way, the University grooms the collective decision making initiatives from the top to the bottom. The University has introduced various novel strategies to realise this lofty idea.

#### **Decentralisation:**

The following decentralisation measures taken by the leadership ensure the smooth governance of the institution:

- Decentralisation of academic activities and empowerment of the members of faculty through the delegation of authority
- Sharpening of effective leadership skills by providing additional responsibilities to the members of faculty in the form of coordinators of various cells and heads of several committees, which ensure the quality of the academic work
- Participation of students in decision making by ensuring constructive feedback
- Experienced and seasoned professors being entrusted with deanship across department clusters
- Members of faculty have adequate representation in administrative bodies, such as, the Syndicate, Senate and SCAA
- Involvement of members of faculty in OBE syllabi preparation as part of BoS
- Appointment of male and female faculty as deputy wardens of men and women hostels respectively with the Registrar being the warden
- Deliberations with all the members of faculty about academic and research activities during the faculty meeting
- Appointment of teaching faculty as University nominees and representatives to affiliated colleges, to serve as experts and members of the inspection commission on various assignments
- Verification of annual department stocks by faculty members from different departments.

The above decentralisation measures reflect on man-making education, creation of a humanitarian attitude to shape the students of high caliber, with head, heart and hand in unison, for the greater cause of the society and nation bound by ethics.

### **Participative Management:**

The University ensures equality at all levels from academic to administrative positions. A transparent mechanism is being adopted for executing the operations of the day-to-day activities and to take vital decisions. The Vice Chancellor and other top officials interact with the heads of the departments and the teaching fraternity of the University departments, principals of affiliated colleges, on a continuous basis, as a part of participative management. The Registrar conducts meetings for section heads and administrative staff to discuss the day-to-day management. Top level financial decisions are taken collectively after necessary discussions at the finance committee meetings.

Effective leadership skills are honed by providing additional responsibilities to the members of faculty in the form of coordinators of various cells and committees, that ensure their participation in the quality of academics, research and outreach activities. Promotion to the next level of leaders, through scientific management, is meticulously adopted in the University.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## **6.2 Strategy Development and Deployment**

### **6.2.1 The institutional Strategic plan is effectively deployed.**

#### **Response:**

Periyar University aims at result oriented research, innovation in cutting-edge technology, accomplishing excellence in higher education. It expands at a rapid pace, embracing the knowledge economy that the modern world is witnessing. To reach the pinnacle of success in education, the University has designed a strategic road map. This involves enriching the academics, nurturing the research ambience and kindling the scientific temper. Various parameters, such as professional practices, graduation outcome, outreach and perception are given adequate importance.

The perspective plan of the University is in consonance with its mission and vision. While framing its future plan, the University is taking into account the development parameters, such as, teaching-learning, research and development, extension activities, human resource management and expansion of infrastructure.

The University marches towards leadership in delivering quality education to the students. It has been at the forefront in achieving feats, like digital initiatives, new courses and an online faculty portal dealing with leave, on duty, salary, publication, etc.

#### **Campus Connectivity:**

The University is well networked to connect to all the academic departments and the administrative

sections, through the following facilities;

- Local Area Network and Wi-Fi enabled campus
- ICT facilities
- Automated Academic and Administrative Processes
- Digital Surveillance (CCTV).

### **Digital Research Initiatives:**

The University has realised the significance and the need for a cutting-edge ICT framework for carrying out the voluminous work of different departments and sections. It has implemented innovative technology solutions and online mode of research activities. This ensures speedy and transparent completion. There are separate portals for University research division, Ph.D. enrollment, centre enrollment, administration, supervisors and scholars. A few of the digital initiatives are:

- Department of Computer Science publishes a journal titled *International Journal of Computational Intelligence and Informatics* in both electronic and print version
- University research fellowship is being provided to full-time Ph.D. research scholars
- Research profile of the members of faculty in University website (IRINS- Indian Research Information Network Systems)
- Plagiarism check.

### **Digital Teaching Initiatives:**

- Technology enabled classrooms
- Online teaching
- Online teaching and learning resources
- Access to e-journal
- Automated Library Management and Information System
- e-ShodhSindh
- J-Gate
- Soft copy of Ph.D. theses
- NAD and e-SANAD services.

### **New Departments:**

The following are the new departments that were started during the last five years:

- Department of History (2015)
- Department of Energy Studies (2015) / Energy Science (2019)
- Department of Clinical Nutrition and Dietetics (2016) / Nutrition and Dietetics (2018)
- Department of Statistics (2016).

### **New Programmes:**

The following are the new programmes that were started during the last five years:

- M. A. History (2015)



- M.Sc. Energy Studies (2015) / Energy Science (2019)
- M.Sc. Clinical Nutrition and Dietetics (2016)
- M.Sc. Statistics (2016)
- M.A. Journalism and Mass Communication – Electronic Media (Integrated) (2018)
- M.Tech. Energy Technology (2019)
- M.Sc. Computer Science (Data Analytics) (2019)
- M.Sc. Data Science (2020)
- M.Sc. Environment Science (Integrated) (2020).

#### **New UGC Supported Programmes:**

- B.Voc. Food Science and Nutrition (2015)
- B.Voc. Textiles and Apparel Design (2015)
- B.Voc. Augmented Reality and Virtual Reality (2019)
- B.Voc. Digital Marketing (2020)
- D.Voc. Accounting and Taxation (2020)

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

##### **Response:**

The University adopts all policies in harmony with its vision and mission for the betterment of the student community and for shaping higher education through its institutional bodies, such as, syndicate, senate, planning board and finance committee. These bodies approve and promulgate different policies that are given below, for the effective and efficient administration.

1. Research Promotion Policy
2. Information Technology Policy
3. Campus Development and Maintenance Policy
4. Scholarship Policy
5. e-Governance Policy
6. Resource Management Policy (ERP)
7. Green, Energy and Environment Policy
8. Disabled Friendly (Divyangjan) Environment Policy
9. Professional Ethics and Code of Conduct Policy
10. Consultancy Policy

**Transparent Administration:**

The University maintains and complies with clearly defined procedures to deal with academic activities related to student admission, conduct of examinations, declaration of results, and administrative activities, such as, the affiliation of academic institutions, the purchase of materials, accounts and audit.

The University, governed by the Syndicate, the policy making body is chaired by the Vice Chancellor and assisted by the Registrar and his secretariat. The administration consists of deputy registrars, assistant registrars, section officers, superintendents, assistants, junior assistants, technical staff, public relations officer, other categories of employees, that include 83 regular staff, 204 consolidated staff and 154 Non Muster Roll (NMR).

The office of the Controller of Examinations focuses on conducting examinations and declaring results of the University departments and affiliated colleges, and awards the degrees.

The finance office is responsible for preparing the annual budget of the University with the approval of the Finance Committee. All the records about the incomes and expenditures of the institution are maintained and monitored by the finance office.

The University houses 27 departments covering major subject areas in Arts, Humanities, Social Science, Pure Science, Applied Science and Technology. There are 153 regular full-time teaching members of faculty working in the University, in the above disciplines, pursuing teaching, research and consultancy activities.

**Appointment and Service Rules:**

Appointments to various positions such as teaching and non teaching are being carried out in a transparent manner. Appointments to teaching positions are based purely on relevant UGC guidelines and the directions of the Government of Tamil Nadu on a regular basis. Demarcated service rules as embodied in the University acts, statutes rules and orders of Government of Tamil Nadu are meticulously adhered.

**Promotion of Faculty Members:**

In addition to the appointment of faculty under direct recruitment, the University is actively engaged in providing Career Advancement Scheme (CAS) for the qualified faculty as per the guidelines of the University Grants Commission and Government of Tamil Nadu.

**Recruitment and Promotion of Non Teaching Staff:**

The University administration takes cognizance of providing timely promotion to the non teaching staff as and when it arises. The rules enshrined in the Periyar University act and statutes, and that of the Government of Tamil Nadu are followed precisely.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>

### 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	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

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

**Response:**

Periyar University is poised to assess the quality of faculty and provide promotions in time as per the regulations of UGC, Government of Tamil Nadu and the University. Keeping this in view, the University has devised a proper mechanism for performance appraisal and promotion towards rendering the required welfare measures as per the established rules in force.

**Performance Appraisal System:**

The academic and research performance of each faculty is appraised by adopting a robust feedback mechanism centrally obtained from students and other stakeholders by the Internal Quality Assurance Cell (IQAC). The suggestions of IQAC enable the promotion of members of faculty by mapping their professional success and recognising their strengths and limitations. Their performances are assessed by a panel under the Career Advancement Scheme. The self-appraisal method is employed for the assessment of

faculty performances and the external academic audit reviews the overall performances of the University departments for corrective measures and action.

### **Promotional Avenues:**

There are a lot of promotional avenues available within and outside the University for both academic and administrative staff. Opportunities are available for getting recruited to the higher position in the University, other universities, national laboratories, institutes of eminence and other institutions. Besides, faculty are also promoted through career advancement scheme. During the period 2015-20, 78 members of faculty were promoted to the next level as per established rules.

Promotion of the non teaching staff is governed by the act, statutes, regulations and rules of the University and the fundamental rules of the Government of Tamil Nadu. The non teaching staff (43) were promoted as per the completion of departmental examination. They have the opportunities in universities, government and civil services.

### **Effective Welfare Measures:**

The following are the staff welfare measures undertaken to keep the employees in a conducive atmosphere:

- Sanctioning of all applicable leave
- Providing subsidised transport facilities
- Canteen facilities
- One-year sabbatical leave
- Permission to work in other institutions on lien for one year
- Health Insurance
- Part Final Loan from GPF account
- Leave Travel Concession
- Summer and Winter Holidays for members of the faculty
- On campus healthcare facilities
- Yoga and Gymnasium facilities
- Library facilities
- Access to e-Journals
- Vehicle parking shed
- Co-operative store
- Thrift Society
- Milk Parlour
- Post Office branch
- Canara Bank branch
- Staff quarters
- Mental health and nutritional counselling
- Festival advance
- Fifty per cent air fare for attending conference
- Food at subsidised rate at University guest house
- Preferential admission to the wards of employees
- Financial assistance for membership in professional bodies
- Two Automated Teller Machines
- Day Care Centre and Children's park

- Food court.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 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:** 26.49

#### 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
39	35	29	68	35

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### Other Upload Files

1	<a href="#">View Document</a>
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### 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:** 12

#### 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
14	16	10	8	12

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **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:** 23.19

##### **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
49	34	27	36	33

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development Programmes during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## **6.4 Financial Management and Resource Mobilization**

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

**Response:**

#### **Mobilisation of financial resources:**

The financial resources of the University is mobilised through the non-plan receipts by student fees, the block grant support from the State government and the research grants from the extramural funding agencies at the national and international levels.

In addition, members of faculty apply for project funding and secure funds. Endowment funds contributed

by philanthropists are used for conducting seminars. The finance office monitors the incomes and expenditures of the University. All the budgetary allocations are placed before the finance committee, a statutory body, as per the Act. The University accounts are audited by the local fund audit and also by the office of the Comptroller and Audit General.

Efforts are afoot to mobilise resources through special schemes such as RUSA, DST- FIST and UGC-SAP/DRS and funds from EDII, MHRD, DDU-GKY, ICSSR, TNSCST, MoES, MoEF&CC and TANSCH. Funds are also generated from affiliation fees for new colleges / programmes, fees for issuing certificates, collection of registration charges while organising training programmes, charges from consultancy services, collaborative ventures and contributions from alumni. The University generates revenues by leasing out the available infrastructure to Canara bank, milk parlour, post office, space for bank ATM, canteen and photocopy centre. Fund is also generated through the activities of the Knowledge Transfer Centre.

**Resources Utilisation:**

The University has an effective mechanism for the successful and judicious utilisation of monetary assets by way of planning for annual budgets and their implementation. To rationalise expenditures, the University prepares an accumulated budgetary draft depending upon the necessities of the departments with the approval of the finance committee.

Before the start of the financial year, the Vice Chancellor directs the heads of the departments to submit budget proposals for the ensuing financial year. In consultation with all the members of faculty of the department, the head prepares the budget and submits to the Registrar for approval. The Vice Chancellor convenes a budget meeting in which he interacts with the heads and members of faculty of the respective departments and finalises the budget.

The University has a General Fund which is used for the development and maintenance of infrastructure in the University and for spending on items that are not covered under the Department budgets. The draft financial plan is put up before the Syndicate for its approval. The utilisation of budget amount is regulated by the Vice Chancellor. The nature and quantum of expenditure vary depending on the specific financial powers vested with the Vice Chancellor, Registrar, Finance Officer and Heads of the University Departments.

The University sanctioned University research fellowships to those who do not receive any other financial support. Principal investigators of projects have access to their research grants, obtained from the funding agencies and are permitted to utilise the same as per the guidelines.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**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:** 2854.56

**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
710.56	609	500	0	1035

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**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:** 31.88

**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
4.37	5	2.02	2.02	18.47

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.4.4 Institution conducts internal and external financial audits regularly**



**Response:**

The position of the finance officer is filled on deputation from either the local fund or the treasury departments of the government. To ensure accountability of financial transactions, the budget of the University is submitted for audits. The finance section of the University maintains account of all the income generated and expenses incurred by various sections of the University and academic departments. The inflow and outflow of monetary transactions are properly documented and the same are submitted to the auditors for verification and approval.

The audit is conducted as per the Chapter IV, Section 28 of Periyar University Act, 1997 (Tamil Nadu Act No. 45 of 1997). The annual accounts are submitted for examination by the government.

Every year the members of faculty on direction carry out annual physical stock verification. The Local Fund Audit (State Government) and the AG audit (Central Government) scrutinise the financial aspects of the University every year. The main scope of this audit is to find out the defects and rectify them at every stage and to set the future course of action.

According to the power vested with the Director of the Local Fund Audit, Tamil Nadu (Tamil Nadu Local Fund Audit Act, 2014 – Act 24, Section 4 and 5), auditing of the accounts of the institution is performed.

The accounts have been audited regularly. Joint sittings between the staff members and the audit committee are convened to discuss the audit objections raised and suitably rectified by the authorities. At times, certain objections remain that cannot be settled at the time of audit. In such cases, action is taken to drop the objections by appropriate recoveries or by obtaining orders from responsible authorities.

Objectivity and independence are the hallmarks of the external audit of the University. The University coordinates both Local Fund Audit and AG Audit. This enhances the nuances of audit and its coverage. External auditors leverage the understanding of the auditing system prevailing in the institution. It paves way for effective communication, coordination, financial risk evaluation and provides suitable strategies for efficient financial management of the system. The audit benefits the assessment of the reports and other documents in a ready-to-use format.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:**

### **Academic and Administrative Audit System:**

The academic audit is conducted in each department. It is a commitment by the University to ascertain the quality and improve the functioning of its units in a systematic manner. Exemplary benchmarks are set to achieve and maintain quality in all the departments of the University, colleges affiliated to the University and research institutions approved by the University through the system of academic audit and inspection. Administrative audit is a part of the IQAC and is conducted periodically.

This ensures a complete overhauling of the system for enhancing the quality of higher education. It helps in identifying the core strength of every department and the areas that need to be strengthened. This sustained effort is a continuous process to improve the performance of all teaching, non teaching staff, students and the entire organisation. This calls for dedication and proper execution of the work at the right time.

### **Measures Adopted:**

The following measures are adopted to enhance quality:

- Encouragement to have more academic interactions in the form of seminar, conference workshop and training
- Motivating faculty members and research scholars to publish papers in UGC-CARE list - Group I and II
- Performing research towards societal development
- Increase in the quality of research projects
- Evaluation of skills acquired
- Implementation of ICT for teaching-learning.

### **Effective Feedback Mechanism:**

The teaching-learning process of departments is constantly reviewed by the Vice Chancellor. The IQAC is entrusted with the monitoring and recording of the growth of academic activities. To ensure an effective student feedback mechanism for enhancing the quality of responses received, the offline feedback mode is changed to online mode for better transparency and confidentiality.

- Quality indicators are used to assess University departments. They include teaching, learning and evaluation, research, extension activities, infrastructural facilities, special assistance received and any other support services available
- The students feedback mechanism is crucial and functions properly. It is obtained periodically on parameters like courses, teaching and other related activities. The feedback thus received is reviewed and action taken report is forwarded to the head of the department concerned for appropriate action
- Feedback from other stakeholders like alumni, employers and teachers are also received and analysed for future course of action
- Members of faculty submit the Self-Appraisal Report at the end of every academic year.

### **Outcome Thrust:**

The feedback received from stakeholders and the adoption of OBE curricula have led to the development

of soft skills training to make them employable.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Conferences, 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	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Paste web link of Annual reports of University	<a href="#">View Document</a>

**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:**

**Recruitment:**

The University strongly believes in transparency and quality in the recruitment process. Meritorious candidates are selected based on the guidelines of the University Grants Commission / State Government / Periyar University Statute. A total number of 46 teaching posts were filled during the assessment period.

**Teaching:**

The outcome based curriculum is adopted in all programmes. Each department is provided with an additional University research fellowship. The University offers 12 post-doctoral fellowships.

**Research and Publications:**

Members of faculty have published 1,703 quality research papers having a bearing on the scientific community with national and international reputations. The H-index (Scopus) of the University has increased from 25 to 70 with total citations of 26,257 (Web of Science).

### **Research and Consultancy:**

The faculty are consistently applying for project grants to address issues in different disciplines. 133 projects worth Rs.3,146.54 lakh were obtained by the University. In addition, members of faculty are actively involved in consultancy activities and generated a revenue of Rs.334 lakh.

### **Outreach Activities:**

A total of 144 extension activities were carried out by the University for the welfare of the society. The University has adopted five villages in the Mecheri block to carry out outreach activities with assistance from *Unnat Bharath Abhiyan*.

### **Extra-curricular activities:**

In order to successfully face competitive examinations and augment their skillsets, students are provided with the options to enroll themselves in NET/SET/ other competitive examinations. University departments / cells conduct regular classes to improve their competency. One hundred and sixty students have succeeded in clearing the competitive examinations in the past five years.

### **Hostel facilities:**

A separate women's hostel for research scholars has been constructed (4,492 sq. m) at a cost of Rs.800 lakh and additional floors in the existing women's and men's hostel respectively have been constructed (1,737 sq. m) at a cost of Rs.86 lakh to accommodate more than 500 students. Each hostel has Wi-Fi connectivity and uninterrupted power supply.

### **Common Utility Services:**

The following services are available in the University:

- Health centre
- Food court
- Vehicle parking sheds
- Additional transportation facility
- Additional floors in the guest house
- Common computing facility.

### **Library:**

The Library has added 23,383 volumes of books post accreditation. Koha, the open source automation software is installed to render the best services to all stakeholders.

### **Placements:**

With the arrangements of on campus and off campus placement drives, nearly 890 students found placements in premier national and international organisations. Fourteen students have started their own enterprise.

### **Infrastructure Development:**

The following features are available:

- Green campus
- Medicinal plant cafeteria
- Renovated Auditorium
- New buildings (8,567.50 sq. m)
- Incubation and Technology Transefer Centre
- Centre for Instrumentation and Maintenance Facility
- Internet facility to all the departments
- Vehicle parking
- Sewage treatment plant.

### **Sports and Physical Education:**

The University has established an indoor stadium (987 sq. m) worth about Rs. 149 lakh. Recently, the MHRD under the *Khelo India scheme* sanctioned Rs.700 lakh to establish a synthetic track which is a first of its kind of facility among Tamil Nadu State Universities.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 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:

Periyar University strives to behold the thoughts of Thanthai Periyar in its spirit of academic and social endeavours in terms of women empowerment, women's rights and gender equity. Women represent a sizeable number within the University with 65% of girls enrolled in PG and 70% of girls enrolled in M.Phil. and Ph.D. programmes. This includes first generation graduates and women students hailing from rural background. Women represent 31% of teaching work force, and 60% of non-teaching staff. Top positions like Controller of Examinations and Director of Distance Education were represented by women for a period of three years between 2016 and 2020. Two syndicate members and five heads of the departments are also women.

Keeping this in view, the University has established a separate Women's Studies Centre(WSC) on 09.12.2011 with funding from UGC. The Centre organises several programmes and events to promote gender sensitisation among the students, teaching and non teaching staff community within the campus and also within the academic jurisdiction of the University.

A Legal Aid Club was institutionalised in WSC on 09.10.2012 to provide legal awareness to women. In all, 72 sessions of free legal awareness have been conducted for the students of University through this club. Out of 1,020 beneficiaries, 725 were women participants. The National Commission for Women have provided funding during 2016-17 for conducting five Legal Awareness Programmes in Salem, Dharmapuri, Krishnagiri and Namakkal districts that come under the University jurisdiction. A total of 971 girl students and women staff were benefitted from these programmes.

WSC regularly organises health and personal sanitation camps for women. Between 2016 and 2020, four camps were organised and 821 women were benefitted. The Centre conducted programmes on Women Health Care Management, Sanitation and Hygiene Management and medical camps for women. Nearly 500 students were benefitted from these programmes. The Centre also organised a workshop on Gender vs Entrepreneurship on 29.08.2019 for women students. WSC offers three supportive courses entitled 'Women and Life Management Practical', 'Entrepreneurship Practical' and 'Gender Sensitisation Practical' for the University students. In all, 277 students have enrolled for these courses from 2016 to 2020.

WSC of Periyar University has a common rest room and a library for women. Need based personal counselling sessions are organised with the assistance of the department of Psychology. Napkin incinerator has been installed in the campus for the convenience of women. The entire campus is under surveillance cameras and adequate security services are in place to ensure women safety.

The University addresses the grievances of women by forming appropriate committees with equal representation of women faculty in decision making processes. It has also provided equal opportunity to women staff and students. Every year women's day is celebrated by the University grandiosely to encourage the spirit and well-being of women. With all these activities Periyar University stands strong in

beholding the theme of gender equity as per the thoughts of the social reformer, Thanthai Periyar, after whom the University is named.

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	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

### 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	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 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:**

Waste management has become one of the most important parameters in the development of smart cities and has been mandated by Swachh Bharat and Swasth Bharat, Government of India. In this regard, the institution has taken several initiatives in the management of waste arising from the institution as well as from the residential complexes of the institution. Biodegradable waste in the form of food waste is used in the biogas plant for energy production and for vermicomposting. Liquid waste generated by the institution is recycled through a wastewater recycling plant with a capacity of 120 kilolitres per day. About 80,000

litres of recycled water is used for the plants within the campus.

Solid waste generated in the University such as paper, cardboard waste, condemned furniture and equipment are auctioned periodically as a part of removal and clearance of debris. Through auction, revenue of about Rs 109 lakh has been generated in the last 5 years. Other wastes, such as broken glassware from science laboratories, hazardous wastes and biomedical wastes are efficiently disposed off as per the standard operating procedure. E-waste arising in the campus is managed through buyback policy and also by donating used computers to the government schools.

Plastic waste generated in the canteen is disposed off efficiently using plastic waste disposer installed in the canteen. Besides management of plastic waste, the institution has enforced a ban on the use of plastics in the University campus. Awareness programmes had been organised to sensitise the stakeholders regarding the importance of waste management.

<b>File Description</b>	<b>Document</b>
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### **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

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### **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

<b>File Description</b>	<b>Document</b>
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

**7.1.6 Quality audits on environment and energy are 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

<b>File Description</b>	<b>Document</b>
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.7 The Institution has disabled-friendly, barrier free environment**

- 1.Built environment with ramps/lifts for easy access to classrooms.**
- 2.Divyangjan friendly washrooms**
- 3.Signage including tactile path, lights, display boards and signposts**
- 4.Assistive technology and facilities for 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

<b>File Description</b>	<b>Document</b>
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**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:**

Periyar University is a place where students from different strata of society study. The University takes several steps in accommodating all the students so as to help them in making their stay comfortable and imparting tolerance and harmony. Mentor-mentee initiatives help in promoting participation by each and every team member in a class and identify their strengths. This not only provides a solution to the students' problems but also identifies the skills of individuals. The evidence of success is seen in increased participation as a team in symposia, sports, National Social Service (NSS), Youth Red Cross and similar activities. For instance, a group of NSS volunteers focus on the popular Swachh Bharat Abhiyan. They travel to different areas under the jurisdiction of Periyar University as groups and carry out the cleaning of roads, streets and common places.

Students who are agile as well as interested in physical fitness showcase their abilities by taking part in various sports competitions organised within as well as outside the University campus. They bring accolades by winning many championships as well as prizes. Advanced learners take part in many curricular activities and encourage the slow learners by presenting joint papers. They, as a combined team take part in cultural events, literary quiz and festivities. The institution also regularly conducts training programmes for imparting life skills to under-privileged class and transgenders. Celebrating the birthdays of students by the teaching faculty provides a memorable ambience enriching the students' sense of belonging. Thus, irrespective of cultural, regional, linguistic differences, students across the board as a single entity, work towards unity in diversity.

<b>File Description</b>	<b>Document</b>
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**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:**

Several events and programmes are organised to sensitise the students and employees to apprise them of their rights and responsibilities including their constitutional obligation. The graduates of the University are encouraged to be law abiding citizens always. They are trained to strive towards the protection of the country in whatever ways possible by keeping in mind the time tested mantra of *peace and tolerance* as the hallmark for successful coexistence. Independence Day and Republic Day celebrations are conducted with pomp and glory to evoke nationalist fervour and remind the youth about the sacrifices made by the leaders of yesteryears to enjoy the fruits of democracy by the younger generation.

The University also recognises and appreciates freedom fighters during these celebrations. As a morally responsible citizen, one should be involved in upholding the ideals of freedom fighters, preserve the culture, heritage, voting responsibility and safeguard the environment. To realise this end, the University has conducted various programmes for students and staff viz., Voters Awareness day, Anti-bribery Awareness, Vigilance Awareness Week, Swachh Bharat Campaign and Child labour prohibition Awareness to mention a few. Honourable Justice Mr. K. Chandru, of Madras High Court spoke on “Higher Education at Crossroads” highlighting the duties of a teacher. He noted that truthfulness in teachers is becoming all the more necessary as unlettered parents with no formal education have placed immense values on teachers. Professor G. Palanithurai, from the Department of Political Science and Development Administration, Gandhigram Rural Institute spoke on “Enhancing Professionalism in Higher Learning Institutions”. He pointed out that the quality of Indian education system is directly proportional to the quality of the teachers in higher learning institutions.

A responsible citizen upholds women’s rights and endeavours to protect them at all times. Caring for the underprivileged and contributing to the welfare of the downtrodden will add character to their personality. A mandatory course on Human Rights is offered to all the post graduate students in the University. It is the moral responsibility of an educated person to show the path of enlightenment, as the famous adage “*Only a lighted candle can light another*” reflects, to the rural children residing in and around the University as well as the children and youngsters living in the villages adopted by the University. In this regard, Village Adoption Programme is encouraged by the University.

A citizen becomes responsible when he/she partakes in the mitigation process in the aftermath of disaster and calamities. One can witness the spirit of human empathy and compassion kindled at times of calamities. Relief materials on a large scale were sent to the people living in the affected areas. All the staff donated their one-day salary towards the same. Blood donation is another selfless act which saves many lives in the most crucial moment and camps are regularly conducted under the aegis of Youth Red Cross Society.

Further information is available at

<https://www.periyaruniversity.ac.in/NAAC/SSR/CVII/7.1.9/7.1.9Activities.pdf>

<https://www.periyaruniversity.ac.in/NAAC/SSR/CVII/7.1.9/7.1.9AnyOther.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

<b>File Description</b>	<b>Document</b>
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	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

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

**Response:**

Periyar University encourages students to commemorate important national and international days, events and festivals, in order to instil among the students a sense of belonging, cultural bonding, values and ethics. These celebrations inculcate in the students, a sense of pride and help them identify with local, regional, national sentiments and international significance. It provides them a scope to identify with the pious ways of life led by great personalities who shaped the nation. These days are celebrated every year to uphold the cherished ideals and legacy left behind by the great sons of India.

- Thanthai Periyar Birth Anniversary – Founder’s Day
- Dr. A.P.J. Abdul Kalam Birth Anniversary – World Students Day
- Sardar Vallabhbhai Patel Birth Anniversary – Rashtriya Ekta Diwas
- Dr. B.R. Ambedkar Birth Anniversary – Ambedkar Jayanthi
- Mahatma Gandhi Birth Anniversary – Gandhi Jayanthi
- Swami Vivekananda Birth Anniversary – National Youth Day.

International commemorative days such as International Women’s Day, International Youth Day, World Heart Day, World Water Day, World Soil Day, World Mental Health Day and World Environment Day to quote a few, are celebrated to enable the students to acquire global knowledge.

To inculcate a sense of pride with a belief in self-sufficiency, sensitisation of the youth to be patriotic and to shape them to become responsible citizens, the following important days like Independence Day, Republic Day, National Unity Day, Rashtriya Ekta Saptah, Rashtriya Sankalp Divas, Voters Day, National Science Day, Martyrs’ Day and NSS day are celebrated with wide participation of the students, faculty and

administrative staff of the University. As the popular Sanskrit adage in India, *Matha, Pitha, Guru, Deivam*, that sets the protocol for showing respect, Elders day, Teachers day, Matribhasha and Martyrs' day are included in the celebrations. Comprehending the local history is important to contextualise one's own existence. The hoary past of the city was punctuated with the sesquicentennial celebration in the campus marked by pageantry and glory.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 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 -1**

**1. Title of the Practice: Get, Set, Go Green**

**2. Objective of the Practice:**

Periyar University with its lush green campus aims to maintain a clean and green learning environment. The institution's green consciousness marching towards a carbon neutral society emphasises the same in its wards. The students and teaching fraternity take equal initiatives in promoting environmental awareness within and outside the campus through outreach programmes. The main objectives are the maintenance of green and clean campus and the promotion of environmental awareness through outreach and extension programmes.

**3. The Context:**

Periyar University is located at the Salem Bengaluru highway, 8 kms from the city. The University covers a land area of 38.64 ha (95.48 acres), with 35 buildings accommodating all the academic departments, administrative offices, residential hostels, guest houses and utility centres. The buildings are distantly apart from each other covering the entire campus area providing appreciable size of empty land towards establishing and maintaining a green and clean campus. Absence of intensive residential and industrial establishments nearby the campus adds to the natural green ambience. Further, the governing body and the administrative authorities of the University constantly encourage teaching and student community to actively participate in environmental promotional activities. Awareness programmes, outreach and extension activities to the public are accomplished through the academic departments, various centres and NSS. Vision of gearing up for a green campus is embedded in the thoughts and values of the academic

fraternity of Periyar University.

#### **4. The Practice:**

Periyar University strives to gear up for the green campus through green initiatives, maintenance of plastic free campus, optimised waste management system, energy use efficiency, adopting 'Reduce Reuse Recycle' principle and e-governance for waste minimisation, involving Swachh Bharat Abhiyan activities. The same is taken up by the academic departments and NSS of Periyar University.

Green campus initiatives were undertaken on a large scale in the past five years through 8 tree plantation drives resulting in the planting of approximately 200 saplings during various commemorative days, events and programmes. Under the above initiative, 'One student One Tree Campaign' was started on 13.09.2017 and 50,000 saplings were planted. As a novel venture, Miyawaki plantation drive was initiated during February 2020, in an area of 464.5 sq. m. Uprooted mature trees due to heavy rains are constantly replaced by tree saplings. Maintenance and irrigation of landscape in the campus are consistently carried out by the campus maintenance wing.

Ban on disposable plastic use was implemented within the campus and periodical plastic cleaning drives within the campus were undertaken by the University NSS students. The liquid wastes generated at the hostels and guest houses were treated at the sewage treatment plant established at the campus with a capacity of 120 kiloliter per day. The treated water is efficiently used for irrigating the plants. Twenty four rainwater harvesting structures and four runoff water harvesting structures were constructed for ground water recharge. A mini biogas plant with a dimension of 2.10 x 2.10 x 2.0 m is established for degrading the food wastes generated at the hostels. Litter and miscellaneous wastes generated were disposed off in the two landfills without any nuisance to the environment. 14,780 LED bulbs were replaced / newly installed and two solar plants of 302 kW capacity were installed towards energy conservation. Every year, large quantities of answer sheets and stationery items were auctioned to Tamil Nadu Newsprint and Papers Limited (TNPL), Karur. All electronic equipment were purchased with buyback policy in order to reduce e-waste generation. Photocopier and Printers were periodically overhauled for reuse through equipment maintenance section. NSS regularly organised cleaning camps in nearby villages and conducted awareness programmes to the public through rallies, and volunteers for environment promotional activities. From the month of October 2018, under Swachh Bharat scheme, each University department undertook an extension activity beyond the campus to promote awareness on clean environment.

#### **5. Evidence of Success:**

The existing practice has resulted in increased number of matured trees from 380 to 711 in last five years. Miyawaki forest plantation has turned 232.25 sq. m of barren land into a dense green cover with 55 varieties of tree saplings numbering 1,400 trees. Through the sewage treatment plant, about 80,000 litres of wastewater per day is effectively treated and used for irrigating the plants within the campus. Drip irrigation installed, helps minimising the water usage of about 6,000 litres per day. The biogas plant with two domestic burners is used for 4 hours of cooking in the Men's hostel. LED bulbs had accounted for saving 17,030 watts of electricity. The solar panel with 300 kW capacity will reduce electricity charges by 80% in the future. Rain water harvesting structures collect all the rainwater from the buildings and the runoff water at the catchment sites within the campus. Computers purchased have LED screens for saving electricity. The auctions of old answer sheets and other goods generated a revenue of Rs.109.87 lakhs. New buildings constructed between 2015 and 2020 are well ventilated reducing electricity usage. All the environmental promotional activities of the University have been well recognised by the stakeholders of

the society.

## **6. Problems Encountered:**

Successful implementation of this practice is constrained due to lack of trained domestic workers towards categorisation of solid wastes and its management. Society and stakeholders need to join hands with the University to promote environmental awareness. Students participation in environmental, extension and outreach programmes within and outside the University needs to be strongly encouraged.

## **Best Practice - 2**

### **1. Title of the Practice: Campus to Society through Collaboration**

### **2. Objectives of the Practice:**

The academic and research credentials of Periyar University focus towards industrial collaborations for the societal upliftment of the community within the University jurisdiction. The main objectives are to potentially utilise the results of the academic research that are useful to the society, to translate further to the local industries for the product development and societal services as well as to promote application oriented research outcomes.

### **3. The Context:**

Periyar University jurisdiction includes four districts namely, Salem, Namakkal, Krishnagiri and Dharmapuri. The research and outreach activities carried out at Periyar University were intended to cater to the needs of the rural population. It also relevantly addresses the societal issues and provides technical expertise to the emerging industrial needs through research collaborations and Memorandum of Understanding. Health related research conducted at the University has good potential for larger scale of applications. Under this context, the research and extension activities of Periyar University have attained substantial and sustained growth in the last five years.

### **4. The Practice:**

Departments of Microbiology, Food Science and Nutrition, Biotechnology, Environmental Science and Geology are engaged in research addressing the issues, such as, soil remediation, waste management, food adulteration, lack of product manufacturing protocols for sago, vector borne diseases and mining effects as faced by the community in the neighbourhood. Health related research studies carried out at the departments of Microbiology, Biochemistry, Computer Science, Nutrition and Dietetics, Physics, Chemistry and Zoology have resulted in the product development for bone and dental implants, food product formulations, value added product synthesis, diabetic control mechanisms, medical image processing, cancer research and synthesis of anti-bacterial and anti-viral drug like compounds. Periyar University Business Incubation Centre (BIC@PU) serves as a liaison centre for the development of young entrepreneurs. Department of Computer Science has been sanctioned a project worth Rs. 266 lakh for a period of three years by the Ministry of Rural Development, Government of India under Deen Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY) Scheme to impart skill training in Artificial intelligence, Data Science and Software Development to the rural youth in the districts under University jurisdiction. Funded by UGC, under National Skills Qualification Framework (NSQF), B. Voc programmes are offered in the departments of Food Science and Nutrition and Textiles and Apparel Design

to impart skill based education at the undergraduate level. Village adoption scheme was undertaken by the department of Sociology to uplift the community and to address their societal issues. In view of COVID-19 pandemic in the year 2020, the University has significantly contributed by publishing 11 research articles and 6 newspaper articles, relevant to COVID-19, gaining wide publicity among the society. The department of Chemistry prepared sanitisers that were freely distributed to the University workers. The faculty of the department of Psychology offered free counselling to the public to overcome the mental stress due to COVID-19 lockdown.

### 5. Evidence of Success:

Awareness events focussed on cancer, dengue fever and preserving traditional rice varieties to mention a few, highlight the societal concern of the University. Research grants received from various governmental agencies to the tune of Rs.3,146.5 lakh and the 1,703 research publications in last five years stand testimony to the University's commitment towards serving the society. Sixteen patents were published in the last five years as an outcome of the intensive research works. A total of 65 relevant MoUs were signed for product development and technology transfer. Twelve entrepreneurs have initiated their startup ventures through BIC@PU. Under DDU-GKY Project, 350 rural students are to be admitted for skill training. Under the B.Voc Programmes, three batches of students have passed out in both the departments of Food Science and Nutrition and Textile and Apparel Design, with good placement records. Department of Sociology in its adopted village Sangeethapatti has offered services including computer literacy to school children, health awareness and medical camps to adult people. The awareness and helping hands rendered during COVID-19 pandemic have been widely recognised by the general public, district administration, and by the Public Health department of State Government.

### 6. Problems Encountered:

Acceptance and implementation of research initiatives by the University to the local society is a challenge faced by the research community of Periyar University. The general hesitancy of students to develop themselves as young entrepreneurs due to their ignorance on policies and startup opportunities make the task more complex. Special canvassing needs to be done so as to make the students boldly take up the initiative to become young entrepreneurs. Coordination with media is needed for popularising the schemes, research outcomes and collaborations for large scale impact on the society.

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 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:**



## Human Health Research

The Government of Tamil Nadu established Periyar University in Salem on 17th September 1997 as per the provisions of the Periyar University Act, 1997. The University covers the area comprising of four districts namely Salem, Namakkal, Dharmapuri and Krishnagiri. These districts are socially and economically backward, in terms of education, societal upliftment and women empowerment. The University is named after the great social reformer E. V. Ramasamy, affectionately called “Thanthai Periyar”. The University aims at developing knowledge in various fields to realise the maxim inscribed in the logo “*Arivaal Vilayum Ulagu*” (Wisdom Maketh the World).

In line with its motto, the University's focus is on the human resource development by means of research and extension activities. Prioritising human health research as the primary focus, the University is involved in multipronged research approach encompassing various departments viz. Computer Science, Physics, Biochemistry, Biotechnology, Food Science and Nutrition, Microbiology and Chemistry. Research focussed on disease diagnostics and disease therapy prevention is aimed to identify novel drugs in treatment of cancer, corona virus, neurodegenerative diseases like Parkinson and Alzheimer and novel product synthesis for orthopaedic and dental implants. Artificial Intelligence based detection research is being carried out in the fields of breast cancer, brain tumour, stomach cancer and lung cancer using image analysis. Gene expression data analysis and protein database sequencing and motifs research with data mining approach are the thrust areas in identifying novel drug target modules. Breath analysis for early detection of heart disease using ECG and the onset of epilepsy using EEG are being researched towards disease diagnosis.

Periyar University has created a first of its kind Virtual Reality Simulation Technology for Cardiopulmonary Resuscitation Training, an innovative hybrid system with haptic feedback, implemented by the department of Computer Science. *In Silico* approaches are used to identify the drug targeting of diseases. Computational Biology approaches such as molecular docking and dynamics using high performance computing are utilised for the identification of drug targets for HIV, HCV, corona virus and cancer. Validation of these drug targets obtained through *in vitro* approach has resulted in the award of a patent for the invention of a compound called “transitmycin” to be used in the investigation of anti-TB and anti-HIV. In addition to the above, other methods of disease intervention like designing of novel small molecules like s-allyl methionine, s-allyl glutathione and small peptides as therapeutic agents are being researched. In this regard, two patents, namely, Hypoxia inducing factor 9/ Peptide Chitosan nanoparticle (PCN-M04) used for breast cancer and 7, 8 - Dihydroxyfavone (DHF) derivatives used for potential SARS-CoV2 treatment have been filed. Hydroxyapatite based biomedical and dental implants have been studied in great detail and in this area, three patents have been published in the last five years. Apart from these, nutritional based interventional methods have also been researched, encompassing product preparation. Manufacturing protocol for tapioca (cassava) products has been prepared for the company SAGOSERVE. Technologies have been transferred for two products, namely, Sowkiya Health Mix to Foodies Natural, Salem and Nano Starch Based Edible Coating Solution to RT Foods, Salem.

In recognition of the above contributions, three faculties of the University have received TANSA award from the Tamil Nadu Government and two D.Sc. have been awarded. Two faculties were awarded with fellowships carrying out overseas collaborative research in chemical and biological sciences. Dr. Ravishankar Palanisamy from St. James School of Medicine, USA visited Periyar University for collaborative research on metagenomics and Alzheimer. The outcome of these research innovations is reflected in terms of funding exclusively for intensive research (Rs.1,612 lakh ) and societal extension (Rs. 267 lakh ) from the statutory funding agencies that represents about 51% of total extramural grants

received from the government bodies. To facilitate more flexibilities and cross talks among disciplines working on health research, the institution has planned to start a research centre, viz., “Centre for Disease Control”.

As a part of the faculty lecture series, enlightened scholars addressed the faculty on professional ethics, nuances of higher education and latest health focussed research. Padma Vibhushan and Padma Bhushan awardee Professor B. M. Hegde, former Vice Chancellor, Manipal University spoke on the importance of traditional foods on human health and recent scientific advancements in the field of health. The Tamil Nadu Dr. M.G.R. Medical University Vice Chancellor Professor Sudha Seshayyan highlighted the importance of collaborative research in genomics.

In total, 65 MoUs, 16 Patents, Rs.3,146.5 lakh of extramural grants from funding agencies and 1,703 publications have been achieved/ secured in this area in the last five years of which 21% represents health based publications. MoUs with several industries like SAGOSERVE, Virbac, C-DAC, Boston India Ltd and research institutes like ICMR–National Institute of Epidemiology have been signed jointly for product / process development, exchange of ideas and manpower. The University has also signed MoUs with several small scale food processing industries and textile units sharing technical expertise for improving product quality.

In recognition with the research output, in health sciences three departments namely Chemistry and Computer Science were awarded Special Assistance Programmes (SAP) with a cumulative amount of Rs. 193.5 lakh. Five departments viz. Biotechnology, Physics, Food Science and Nutrition, Microbiology and Chemistry were awarded grants from DST-FIST with a total amount of Rs 390 lakh.

The contribution of the research output is also reflected in the NIRF and ARIIA ranking of the University, which is currently placed at 83rd and 4th position respectively. This unique multidisciplinary approach, cutting across the virtual boundaries of science, encompassing physical, chemical, biological and computational sciences, has enabled a targeted approach towards translational research in health sciences, a distinct feature, very rarely seen in Indian Universities.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

Periyar University is a vibrant institute of higher education with requisite infrastructure and up-to-date teaching facilities. Underpinned by the cultural ethos and career ambitions, the self-contained campus is being steered well in the right direction in imparting quality education. For the benefit of stakeholders, an exclusive branch of Canara bank (192 sq. m), two ATMs, a post office, a co-operative store, a canteen and a milk parlour are functioning in the campus. A children's park and a biodiversity park add a feather to the cap of campus beauty with aesthetic sense. The guest house has four VIP suites and 27 rooms that are well furnished, with its own kitchen and dining hall. All the buildings are facilitated with purified water for drinking and are well connected with rain water harvesting system. Furthermore, the wastewater from the various buildings and hostels are collected in a sewage treatment plant and the treated water is used for irrigation.

Besides the core and elective courses of various programmes, 35 value added courses are also introduced to impart transferable life skills to the students. The curricula were designed in such a way that the stakeholders have an opportunity to perform research and undertake internships in industries / institutions / research laboratories to acquire experimental knowledge and gain independent thinking capability.

The University library follows an open access system and provides service to meet the requirements of postgraduate students, research scholars and staff members. The library has various sections, such as, reference books, textbooks, books for competitive examinations, theses, dissertations, back volumes and question banks. It also extends its facilities to the students and faculty of affiliated colleges too.

### **Concluding Remarks :**

The University strives best to promote and uphold Thanthai Periyar's lofty ideals especially for the betterment of women. The cross-cutting issues in the society are recognised and brought into the curricula to educate the stakeholders at all levels towards the upliftment of the society.

A better student-teacher ratio (14:1), ICT enabled-blended learning management system and a transparent examination management system help in the attainment of better graduate attributes. The University has 133 funded projects (Rs. 3,146 lakh), 1,703 research papers (h-index: WoS 63, Scopus 70), 16 patents and generated a revenue about Rs. 334 lakh through knowledge transfer. The outreach activities helped the University to achieve 43 awards.

ICT facilities in 72 classrooms and 11 seminar halls, 44 new research laboratories, 2:1 student computer ratio, sophisticated equipment in CIMF and indoor stadium are available. The library has library management system and anti-plagiarism software. The University prioritises the maintenance of academic and physical facilities with an average expenditure of 26%. The University provides scholarships and fellowships to the needy, economically weaker students and offers career counselling and skill training. Appropriate students' representation in various bodies of the University is provided. A registered alumni association exists, by creating a network of graduates from the University.

The University administration is governed by its act, statutes, regulations and rules. It's activities are kept transparent through e-governance, decentralisation, faculty appraisal, student assessment and systematic audits.

The University is ranked 83rd position in the NIRF 2020 and 4th position in ARIIA 2020 due to the quality initiatives of IQAC.

A sizeable number of women are represented in student enrolment and other hierarchical positions. The energy saving and efficiency are ensured by the use of energy efficient bulbs and appliances and installation of solar rooftop panel. The solid waste management through vermicomposting, liquid waste management by sewage treatment plant and e-waste management by buyback policy are effectively implemented. “Get, Set, Go Green” towards Green initiatives and “Campus to Society through Collaboration” for transfer of technology are the two best practices followed. Human health research is projected as institute’s distinctiveness.

NAAC

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p><b>Percentage of Programmes where syllabus revision was carried out during the last five years.</b></p> <p>1.1.2.1. <b>How many Programmes were revised out of total number of Programmes offered during the last five years</b> Answer before DVV Verification : 60 Answer after DVV Verification: 38</p> <p>1.1.2.2. <b>Number of all Programmes offered by the institution during the last five years.</b> Answer before DVV Verification : 62 Answer after DVV Verification: 38</p> <p>Remark : DVV has considered M.Phil and Ph.D as considered as one and UG, PG as per IIQA.</p>																				
1.1.3	<p><b>Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years</b></p> <p>1.1.3.1. Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>1348</td><td>1225</td><td>1154</td><td>1085</td><td>983</td></tr></tbody></table> <p>Answer After DVV Verification :</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>1148</td><td>1025</td><td>1054</td><td>1005</td><td>883</td></tr></tbody></table> <p>Remark : DVV has considered only those courses having focus on employability/ entrepreneurship/ skill development as provided report by HEI.</p>	2019-20	2018-19	2017-18	2016-17	2015-16	1348	1225	1154	1085	983	2019-20	2018-19	2017-18	2016-17	2015-16	1148	1025	1054	1005	883
2019-20	2018-19	2017-18	2016-17	2015-16																	
1348	1225	1154	1085	983																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
1148	1025	1054	1005	883																	
1.2.2	<p><b>Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</b></p> <p>1.2.2.1. <b>Number of Programmes in which CBCS / Elective course system implemented.</b> Answer before DVV Verification : 62 Answer after DVV Verification: 38</p> <p>Remark : DVV has considered M.Phil and Ph.D as considered as one and UG, PG as per IIQA.</p>																				
1.3.4	<p><b>Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).</b></p> <p>1.3.4.1. <b>Number of students undertaking field projects or research projects or internships.</b></p>																				

Answer before DVV Verification : 1302

Answer after DVV Verification: 1037

Remark : DVV has given the input as per metric 2.1

**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
5	13	11	10	12

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
4	10	9	9	10

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

**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.**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
5	6	6	10	6

Answer After DVV Verification :

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

**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).**

**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).**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
7.0	7.0	0	0	2.65

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
7.0	7.0	0	0	1.20

Remark : DVV has given the input as per provided report by HEI.

**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
46	30	26	30	16

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
38	25	16	25	11

**3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

**3.6.3.1. Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
50	36	31	19	8

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
40	29	22	11	7

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

**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.**

Answer before DVV Verification:

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

2050	2098	2062	1840	895
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Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1605	1449	1353	777	768

Remark : DVV has not consider those students participated in days activities.

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

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1925.67	2286.34	2763.44	764.04	1075.92

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
278.53	262.87	2663.97	883.65	1075.92

Remark : DVV has made the changes as per provided audited statement by HEI.

**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)**

**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)**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
64.11	61.93	42.68	41.75	55.87

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
64.11	7.11	13.26	10.75	40.87

Remark : DVV has made the changes as per provided report by HEI.

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



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

Answer before DVV Verification : 565

Answer after DVV Verification: 113

Remark : DVV has made the changes as per average of teacher and students using library per day on (dates)

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

**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)**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
634.71	421.20	265.44	532.79	707.95

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
563.00	351.03	155.14	432.09	545.45

Remark : DVV has given the input as per provided report of Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary by HEI.

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

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
10	6	9	8	7

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	4	6	7	5

**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:

2019-20	2018-19	2017-18	2016-17	2015-16
49	43	33	93	59

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
39	35	29	68	35

Remark : DVV has excluded tournament financial assistance as per provided report by HEI.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of programs offered year-wise for last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>62</td><td>59</td><td>58</td><td>54</td><td>50</td></tr></tbody></table> <p>Answer After DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>38</td><td>38</td><td>38</td><td>38</td><td>38</td></tr></tbody></table>	2019-20	2018-19	2017-18	2016-17	2015-16	62	59	58	54	50	2019-20	2018-19	2017-18	2016-17	2015-16	38	38	38	38	38
2019-20	2018-19	2017-18	2016-17	2015-16																	
62	59	58	54	50																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
38	38	38	38	38																	
2.1	<p><b>Number of students year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>2125</td><td>2196</td><td>2243</td><td>2068</td><td>1820</td></tr></tbody></table> <p>Answer After DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>1037</td><td>1055</td><td>1258</td><td>1220</td><td>1154</td></tr></tbody></table>	2019-20	2018-19	2017-18	2016-17	2015-16	2125	2196	2243	2068	1820	2019-20	2018-19	2017-18	2016-17	2015-16	1037	1055	1258	1220	1154
2019-20	2018-19	2017-18	2016-17	2015-16																	
2125	2196	2243	2068	1820																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
1037	1055	1258	1220	1154																	
2.4	<p><b>Number of revaluation applications year-wise during the last 5 years</b></p> <p>Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td>0</td><td>19</td><td>19</td><td>17</td><td>13</td></tr></tbody></table> <p>Answer After DVV Verification:</p> <table border="1"><thead><tr><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th><th>2015-16</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	2019-20	2018-19	2017-18	2016-17	2015-16	0	19	19	17	13	2019-20	2018-19	2017-18	2016-17	2015-16					
2019-20	2018-19	2017-18	2016-17	2015-16																	
0	19	19	17	13																	
2019-20	2018-19	2017-18	2016-17	2015-16																	

0	19	19	17	12
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3.2 **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
910	850	1147	1146	1070

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
251	235	316	316	295

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