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PERIYAR  
MANIAMMAI  
UNIVERSITY

Under Sec. 3 of UGC Act, 1956



**NAAC ACCREDITED**

# **ANNUAL QUALITY ASSURANCE REPORT FOR THE ACADEMIC YEAR 2015-2016**

**SUBMITTED TO NAAC**



CAPU AQAR <capuaqar@gmail.com>  
To: UQMS PMU <uqms@pmu.edu>

Wed, Oct 19, 2016 at 3:23 PM

NAAC/AQAR ACK/ OCTOBER/ 2016/

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND TECHNOLOGY  
PERIYAR NAGAR, VALLAM  
THANJAVUR  
TAMILNADU

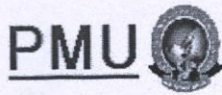
**Subject: Acknowledgement of AQAR**

We are acknowledging the receipt of Online Submission of **Annual Quality Assurance Report** (AQAR) for the year : 2015-16.

For any queries related to AQAR, you may kindly contact capuaqar@gmail.com or 080-23005125 (Aqar direct help line).

THANKS WITH REGARDS  
CAPU-AQAR  
(CENTRAL APPLICATION PROCESSING UNIT)  
080-23005125 / 24  
[Quoted text hidden]





UQMS PMU <uqms@pmu.edu>

**EC\_71\_A&A\_8.2 dated 16-11-2015 Periyar Maniammai Institute of Science and Technology**

2 messages

UQMS PMU <uqms@pmu.edu>  
To: CAPU AQAR <capuaqar@gmail.com>


Wed, Oct 19, 2016 at 3:04 PM

Dear Sir/Madam,

Attached in this mail is the AQAR 2015-2016 report.

regards

Dr KVR Rajandran  
IQAC Coordinator

 **EC\_71\_A&A\_8.2 dated 16-11-2015 Periyar Maniammai Institute of Science and Technology.doc**  
2012K

CAPU AQAR <capuaqar@gmail.com>  
To: UQMS PMU <uqms@pmu.edu>

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## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year 1<sup>st</sup> Oct 2015 to 30 May 2016)*

### Part – A

**AQAR for the year**

2015-16

### 1. Details of the Institution

1.1 Name of the Institution

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE AND  
TECHNOLOGY

1.2 Address Line 1

PERIYAR NAGAR

Address Line 2

VALLAM

City/Town

THANJAVUR

State

TAMILNADU

Pin Code

613403

Institution e-mail address

registrar@pmu.edu

Contact Nos.

+91 -4362-264600

Name of the Head of the Institution:

DR.N.RAMACHANDRAN

Tel. No. with STD Code:

+91-4362-264800



Mobile:

+91 9443243684

Name of the IQAC Co-ordinator:

Dr K V R Rajandran

Mobile:

+91 9944495685

IQAC e-mail address:

iqac@pmu.edu

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

TNUNGN10144

**OR**

1.4 **NAAC Executive Committee No. & Date:**

*(For Example EC/32/A&A/143 dated 3-5-2004.*

*This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)*

EC/71/A&A/8.2 dated 16/11/2015

1.5 Website address:

www.pmu.edu

Web-link of the AQAR:

<http://www.pmu.edu/AQAR> 2015-2016.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.49	2009	5 Yrs
2	2 <sup>nd</sup> Cycle	B	2.66	2015	5 Yrs
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC :DD/MM/YYYY

10/04/2009



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

- i. AQAR 2009 - 2010 - (24/09/2010)
- ii. AQAR 2010 – 2011 – (26/06/2012)
- iii. AQAR 2011 – 2012 – (29/09/2012)
- iv. AQAR 2012 – 2013 – (20/11/2013)
- v. AQAR 2013 – 2014 – (16/10/2015)
- vi. AQAR 2014 – 2015 - (30/11/2015)

1.9 Institutional Status

University State ☐ Central ☐ Deemed ☒ Private ☐

Affiliated College Yes ☐ No ☒

Constituent College Yes ☐ No ☒

Autonomous college of UGC Yes ☐ No ☒

Regulatory Agency approved Institution Yes ☒ No ☐

(MAHRD, UGC, AICTE, COA & NCTE)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

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

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

1.10 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒ Law ☐ PEI (Phys Edu) ☐

TEI (Edu) ☒ Engineering ☒ Health Science ☐ Management ☒

Others (Specify)

Architecture

1.11 Name of the Affiliating University (for the Colleges)

Not Applicable



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

Autonomy by State/Central Govt. / University	Central Government		
University with Potential for Excellence	-----	UGC-CPE	-----
DST Star Scheme	-----	UGC-CE	-----
UGC-Special Assistance Programme	-----	DST-FIST	-----
UGC-Innovative PG programmes	-----	Any other ( <i>Specify</i> )	DST - Nano Mission
UGC-COP Programmes	-----		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	42			
2.2 No. of Administrative/Technical staff	2			
2.3 No. of students	24			
2.4 No. of Management representatives	1			
2.5 No. of Alumni	6			
2. 6 No. of any other stakeholder and community representatives	3			
2.7 No. of Employers/ Industrialists	9			
2.8 No. of other External Experts	2			
2.9 Total No. of members	89			
2.10 No. of IQAC meetings held	8			
2.11 No. of meetings with various stakeholders:	No.	20	Faculty	7
	Non-Teaching Staff	4	Students	6
			Alumini	1
			Others	2



2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

☐☒

2.13 Seminars and Conferences (only quality related)

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

Total Nos.  International  National  State  Institution Level

(ii) Themes

1. OUTCOME BASED EDUCATION
2. CHOICE BASED CREDIT SYSTEM

2.14 Significant Activities and contributions made by IQAC

- It was suggested and decided in the 78<sup>th</sup> IQAC held on 30.01.2016 to implement External Question Paper setting and valuation for 2015-16 batch students and implemented in the current year
- It was suggested and decided in the 79<sup>th</sup> IQAC held on 29.02.2016 to classify the students based on their CGPA and students with CGPA more than 7.5 are to be considered as Advance Learners, Students with CGPA between 6 to 7.5 consider as Medium Learners, Students with CGPA below 6 consider as Slow Learners and for Advance Learners a special provision could be given to study 8<sup>th</sup> semester subjects during 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Semesters there by allowing them to concentrate on 8<sup>th</sup> semester projects
- It was suggested and decided in the 81<sup>st</sup> IQAC (30.04.2016), for Scholars registering for Ph.D from 2016-17, it is mandatory to undergo at least two MOOC courses instead of Directed Study Subjects
- It was suggested and decided in the 81<sup>st</sup> IQAC (30.04.2016), the Ph.D scholars have to undergo course works for total credit of 12.
- It was suggested and decided in the 81<sup>st</sup> IQAC (30.04.2016) that M.Phil scholars to undergo one Massive Open Online Course (MOOC) conducted IITs and foreign universities under SWAYAM.
- It was discussed in 76<sup>th</sup> IQAC (30.10.2015) that NAAC Peer Team visits on 2<sup>nd</sup> to 5<sup>th</sup> November 2015. IQAC cell assisted the department in preparing a Evaluation Report. Criterion i/c and IQAC prepared the SSR.
- IQAC assist the department in cross check each other and also identity area to be improved.



## 2.15 Plan of Action by IQAC/Outcome

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

S.No	Plan Of Action	Action Taken
1	To Introduce Outcome Based Education system	Outcome Based Education System was introduced from 2015-16 Academic year onwards. Curriculum and Syllabi for departments were framed
2	To Introduce Examination Reforms to full fill the needs of Outcome Based Education	Examination Reforms were Introduced as given in 6.3.3
3	To introduce amendments in Ph.D Regulation regarding Directed Study	The scholars registered from 2016-17 must undergo at least two MOOC courses instead of directed Study courses
4	To conduct workshops for faculty to get familiarise with Outcome Based education	Two workshops on OBE were conducted

2.15 Whether the AQAR was placed in statutory body

Yes

☐

No

☒

Management

☐

Syndicate

☐

Any other body

☒

(IQAC)

Provide the details of the action taken

Implementation of suggestion and recommendation given by the NAAC Peer Team after Cycle 2 Assessment in November 2015



## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	22	-	22	-
PG	21	03	21	-
UG	21	02	21	-
PG Diploma	3	-	3	-
Advanced Diploma	-	-	-	-
Diploma	6	-	6	-
Certificate	8	-	8	-
Others	16	04	16	2
<b>Total</b>	<b>97</b>	<b>9</b>	<b>97</b>	<b>-</b>
		-	-	-
Interdisciplinary	M. Tech (RE)	-	-	-
Innovative	M.Tech (Nano)	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester✓	42
Trimester	-
Annual	-

1.3 Feedback from stakeholders\*  
(On all aspects)

Alumni ☒ Parents ☒ Employers ☒ Students ☒

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



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

- (1) We have introduced Outcome Based Education system from 2015-16 onwards.
- (2) The introduction of theory cum laboratory courses effective from 2015 regulations.
- (3) For enhancement of communication skills of the students, the courses such as Inter personal communication, Speech communication, Technical communication, Business communication, Academic writing career development skills introduced in 2015 regulations.

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

NIL

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
193	164	16	13	-

2.2 No. of permanent faculty with Ph.D.

42

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
18	7	-	16	2	5	-	-	20	28

2.4 No. of Guest and Visiting faculty and Temporary faculty

26

116

29

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	26	71	6
Presented papers	21	29	0
Resource Persons	4	0	6



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

1. Students are made to view NPTEL video lectures
2. Virtual labs are used for laboratory courses
3. Smart class rooms with interactive boards are in practice.
4. Students are given practice in using Free and Open Source Software
5. Advance Learners are permitted to do 8<sup>th</sup> semester courses in 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> semesters enabling them to concentrate on projects during 8<sup>th</sup> semesters.
6. Courses with various combinations of lecture, tutorial and Practical hours are introduced.
7. U.G, P.G, M.Phil. students and Ph.D Scholars are permitted to take MOOC courses.
8. It is mandatory for the Ph.D Scholars to undergo at least two MOOC courses instead of directed study papers.

2.7 Total No. of actual teaching days during this academic year

180

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

1. Minimum percentage of attendance required for appearing examination was raised from 75 % to 80 %
2. External Question paper setting and valuation are introduced from 2015-16 onwards for End Semester
3. Students are given provisions to apply for photocopy of the answer scripts and to apply for revaluation.
4. Online Multiple Choice Question to prepare students for competitive exams.

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

102

121

126

2.10 Average percentage of attendance of students

80

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme		Total no. of students appeared	Division			
			Distinction %	I %	II %	Pass %
B.Arch	Architecture	60	31.11	68.89	0.00	75.00
B.Tech.	Civil Engineering	162	36.84	46.32	0.00	58.64
B.Tech.	Computer Science and Engineering	78	34.48	65.52	0.00	74.36
B.Tech.	Electronics and Communication Engineering	104	32.22	67.78	0.00	86.54
B.Tech.	Electrical and Electronics Engineering	73	20.37	79.63	0.00	73.97



Title of the Programme		Total no. of students appeared	Division			
			Distinction %	I %	II %	Pass %
B.Tech.	Mechanical Engineering	271	32.12	67.88	0.00	71.22
B.Tech.	Aerospace Engineering	29	38.10	61.90	0.00	72.41
B.Tech.	Biotechnology	24	33.33	61.90	4.76	87.50
B.Tech.	Information Technology	54	42.86	57.14	0.00	64.81
B.Tech.	Chemical Engineering	14	23.08	76.92	0.00	92.86
B.Com Hons.	Commerce	6	0.00	100.00	0.00	83.33
M.Arch.	Architecture	2	50.00	50.00	0.00	100.00
M.Tech.	Computer Science and Engineering	5	60.00	40.00	0.00	100.00
M.Tech.	Construction Engineering and Management	2	100.00	0.00	0.00	50.00
M.Tech.	Environmental Engineering	6	20.00	80.00	0.00	83.33
M.Tech.	Power Electronics and Drives	2	50.00	50.00	0.00	100.00
M.Tech.	Software Engineering	2	50.00	50.00	0.00	100.00
M.Tech.	Structural Engineering	2	0.00	100.00	0.00	100.00
M.Tech.	Renewable Energy	2	50.00	50.00	0.00	100.00
M.Tech.	Wireless Communication Systems	10	25.00	75.00	0.00	80.00
M.Tech.	Automation and Control System	2	100.00	0.00	0.00	100.00
M.Sc.	Software Engineering (Integrated)	26	41.18	58.82	0.00	65.38
M.Sc.	Physics	1	100.00	0.00	0.00	100.00
M.Sc.	Biotechnology	1	0.00	100.00	0.00	100.00
M.Sc.	Mathematics	1	100.00	0.00	0.00	100.00
MCA	Computer Applications (LE)	48	20.00	64.44	15.56	93.75
MBA	Business Administration (Dual)	20	15.79	57.89	26.32	95.00



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

1. The School Deans are asked to present the performance of the departments under their school in every IQAC meeting.
2. In the 79<sup>th</sup> IQAC held on 29.02.2016, the outcome of the refresher course on Outcome Based Education conducted for the faculty was reviewed and Heads of the departments and School deans were advised to develop the syllabus for 3<sup>rd</sup> and 4<sup>th</sup> semesters as per the guidelines given during the refresher course.
3. After the end semester examinations, the distribution of marks, number of reappearances in each course are analysed by the Internal Quality Assurance Committee and feedback is provided to the HOD and the faculty for corrective measures.
4. The effectiveness of the remedial classes provided to the slow learners is being discussed in IQAC and further directions are being given to the members of IQAC.

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	122
UGC – Faculty Improvement Programme	8
HRD programmes	4
Orientation programmes	30
Faculty exchange programme	1
Staff training conducted by the university	105
Staff training conducted by other institutions	16
Summer / Winter schools, Workshops, etc.	111
Others	29

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	46	4	1	3
Technical Staff	57	7	-	7
Others	119	10	2	8
	222	21	3	18



## **Criterion – III**

### **3. Research, Consultancy and Extension**

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

For the sensitization of Research climate in Periyar Maniammai University, we have Annual Research Board meeting, Biannual Research Scholars' meeting, monthly Research Review meeting, Weekly Department/school review meetings are conducted on regular basis with analysis on action taken for the previous meeting's minutes.

Annual Research Board Meeting : Hon'ble Vice Chancellor chaired the meeting. Dr. A. Sivathanupillai, Distinguished Scientist & former CEO of BRAHMOS, Dr. S.Moses Santhakumar, Professor / Civil Engineering, National Institute of Technology,Tiruchirappalli attended the meeting as members of Research Board along with four Special Invitees, and discussed of Publications, Consultancies, projects, IPRs and MoUs.

Biannual Research Scholars' meeting (09-04-2016): Hon'ble Vice Chancellor presided over the meeting. Dr. C.Muthamizhchelvan, Director (E&T), SRM University, Kattankulathur, Chennai was the Guest of the event. Dean (Research) organized the meeting, 10 of the Research Scholars presented their research works and 47 Research Scholars attended the meeting. Hon'ble Vice Chancellor and the Guest suggested the scholars for enriching their research works further.

Monthly Research Review meeting (15-07-2016): This meeting is chaired by Hon'ble Vice Chancellor. Dean (Research) along with the Research team presents the progress during the month. Suggestions are recorded and implemented before coming for next month's meeting.

Weekly Department/school review meetings: The faculty those who are really interested in research are identified and motivated to involve themselves in real time research by reducing their academic commitments to some extent. Dean (Research) convenes the meeting, the identified faculty members along with the concerned Dean & HoD attend the meeting. This regular review meeting makes the faculty to do better research.

A good ambience towards Research has been created in the University through various centre of excellences and National missions such as, Periyar R&D Centre for Bio and Solar energies, Centre for Climate Change, CETAT, Nano Technology division, National mission on Swachh Bharat , Digital India, Toilet mission for villages etc. for the promotion of Research among the interesting in house as well as external researchers. At present 7 research scholars are doing their Ph.D exclusively by utilizing the facilities available in the above centre of excellences.

In-order to encourage the Researchers further, the financial assistance through Cash award for publications, Half Time Teaching Assistance ship for eligible full time research scholars, Travel grants for attending external research programmes and seed money for the promotion of Pilot projects are provided for the faculty doing research.

Internal faculty members are sponsored to Register Ph.D either in this institution or in some other Institutions as they prefer

Mr.R.Kumaravenkatesan, IPR consultant discussed with the faculty members regarding IPR on 28.04.2016 and created the awareness.

MoU executed with M/S R. K Dhawan & Co., for Patent filing.

Inauguration of Ph D programme 2016 batch on



### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	5	5	9
Outlay in Rs. Lakhs	2.51	185.15	212.92	553.04

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1	1	1
Outlay in Rs. Lakhs	0.95	1.54	0.5	2

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	196	1	0
Non-Peer Review Journals	26	1	13
e-Journals	42	0	0
Conference proceedings	1	2	-

### 3.5 Details on Impact factor of publications:

Range	0.5 – 5.06	Average	3.5	h-index	15	Nos. in SCOPUS	55
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### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major Projects: DST Young Scientist Fast Track Scheme	2016	Science & Engg. Research Board New Delhi	8.3 Lakhs	8.3 Lakhs
Minor Projects	2016	Air Force Station, Thanjavur	0.95 Lakhs	0.95 Lakhs
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total				



3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	3	1	3	1
Sponsoring agencies	Periyar Maniammai Institute of Science and Technology (PMIST)				

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

Total



3.16 No. of patents received this year

		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	NIL

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

Total	International	National	State	University	Dist	College
4	2	1	--	1	-----	-----

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

44

87

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

17

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

JRF

-

SRF

-

Project Fellows

-

Any other(CSIR)

1

3.21 No. of students Participated in NSS events:

University level

1000

State level

2

National level

-

International level

-

3.22 No. of students participated in NCC events:

University level

204

State level

-

National level

2

International level

-

3.23 No. of Awards won in NSS:

University level

-

State level

2

National level

-

International level

-

3.24 No. of Awards won in NCC:

University level

-

State level

-

National level

2

International level

-

3.25 No. of Extension activities organized

University forum

✓

College forum

-

NCC

6

NSS

46

Any other

-



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

1. Centre for Rural Development and Periyar FM 90.4MHz conducted a half day interaction programme with youth from Periyar PURA villages on “Skill India – Skilled India” supported by Ministry of Skill Development and Entrepreneurs on 28.11.2015 at PMU.
2. Centre for Rural Development jointly observed the International Day of Girl Child Day along with CHILDLINE Collab -organization on 09.10.2015 at Govt. Girls Hrs School, Vallam.
3. Awareness programme on Soiled waste management to Panchayat President, Panchayat Clerk, Government Officer, NGOs, School, College, University, and Hospital.
4. Centre for Rural Development and NSS conducted an awareness rally and tree plantation programmes at Government High School, Pillayarpatti, a Periyar PURA village on 15.10.2015.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	116.02 acres	-	Management	116.02 acres
Class rooms	90	-		90
Laboratories	70	-		70
Seminar Halls	12	-		12
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	-		-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	65.59		65.59
Others	-	-	-	-

#### 4.2 Computerization of administration and library

University Administration is fully computerised and automatised using a home grown software BRAIN V2.15. Starting from admission to placement all the activities are automatised and put in use. Central Library is full automatised and separate digital library with 80 laptops are in use. All transactions like issue and return of books are computerised and are functional



#### 4.3 Library services:

	Existing 01.10.2015 to 31.05.2016		Newly added 01.06.2016 to 30.09.2016		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1084	187250	918	142796	2002	330046
Reference Books	98	150488	82	59642	180	207130
e-Books	60000	230000	-	-	60000	230000
Journals	101	205013	-	-	101	205013
e-Journals (IEEE & ASCE)	162	464505	Renewed 162	5,20,112	162	984617
Digital Database (J-Gate Pro-Quest UGC – Infonet- MathSciNet)	4 Database 7500 + Journals	241054	Renewed J-Gate	69000	7500+ journals	310054
CD	22	2200	12	2400	34	4600
Video	17	3400	-	-	17	3400
Others (specify) (Membership British Council DELNET)	2	26500	Renewed 2 (British Council & Delnet)	19500	2	46000
News Papers	9 News Papers	79584				

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1160	346	IGbps	-	584	18	142	70
Added	-							
Total	1160	345	IGbps	-	584	18	142	70

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

S.No	Date	Programme Title	No of Student Participants
1.	16.07.2015	SMPS Trouble Shooting	6
2.	9.1.2016 to 23.04.2016(Week End Only)	OS Installation & Hardware Troubleshooting	27
3.	May-June 2016	Basic SDH Networks	5
4.	01.06.2015 to 08.07.2015	.NET	30



#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	5.96
ii) Campus Infrastructure and facilities	13.13
iii) Equipments	20.06
iv) Others	18.96
<b>Total :</b>	<b>58.11</b>

### Criterion – V

## 5. Student Support and Progression

### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Director/ Centre for Students and Administrative Services , Wardens and Students Counsellor are made as the members of IQAC. The IQAC reviews the activities of these functionaries , student affairs division and guides them in ensuring needed services to the students . IQAC ensures the Election of office bearers for the student council every year .

### 5.2 Efforts made by the institution for tracking the progression

A separate cell Centre for University and Industry Interaction (CUII) is in function to track the progress of the students

Value added courses are being organised through centres of excellence such as Centre of Excellence for Training and Research in Automation Technologies, Centre of Excellence for Next Generation Networks and Centre of Excellence for Enterprise Resource Planning.

START (Students Taking Active Role Together) group along with CUII involves in skill development

Alumini of the University who are now in key positions of various industries, organisations are invited to give career guidance lectures to the students whenever they visit our University

### 5.3 (a) Total Number of students

	<b>UG</b>	<b>PG</b>	<b>Ph. D.</b>	<b>Others</b>
<b>2015 - 2016</b>	3141	711	172	65



(b) No. of students outside the state 139

(c) No. of international students 1

Men	No	%	Women	No	%
	2588	63		1501	37

Demand ratio 5:9      Dropout 9 %

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

S.No	Programme
1	A seminar on “How to crack GATE 2017” by Mr.Nithin Rakesh Prasad, Founder GATE AIR – 9 <sup>th</sup> Rank Holder, The Gate Academy Pvt.Ltd. Bangalore for Third Years
2	A seminar on “Bang on GATE 2016” by Mr. P.G. Suraj, Senior Manager -IS & FS, The Gate Academy Pvt.Ltd. Bangalore for Final Years

No. of students beneficiaries 520

#### 5.5 No. of students qualified in these examinations

NET	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	SET/SLET	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	GATE	<span style="border: 1px solid black; padding: 2px 10px;">5</span>	CAT	<span style="border: 1px solid black; padding: 2px 10px;">-</span>
IAS/IPS etc	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	State PSC	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	UPSC	<span style="border: 1px solid black; padding: 2px 10px;">-</span>	Others	<span style="border: 1px solid black; padding: 2px 10px;">-</span>

#### 5.6 Details of student counselling and career guidance

An awareness seminar on " Higher Studies Opportunities in Europe Countries Business Development Manager, EUROPE STUDY CENTRE (P) LTD, Chennai for final year students

No. of students benefitted 300

#### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
21	480	250	50



## 5.8 Details of gender sensitization programmes

Gender Sensitisation programmes are organised periodically to give awareness on issues relating to gender based social discriminations through the University appointed Counsellor.

As per the guidelines of the UGC, Gender Champions are elected through election process and they are made to participate in Gender Sensitisation programmes and to guide the fellow students and to solve the problems.

Gender Champions are made as the members of Internal Complaints Committee that takes care of the complaints in respect of sexual harassment.

6 programme were organised

## 5.9 Students Activities

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

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

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

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	188	4083600
Financial support from government	9	57500
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-



5.11 Student organised / initiatives

Fairs	: State/ University level	14	National level	---	International level	--
Exhibition:	State/ University level	1	National level	---	International level	---

5.12 No. of social initiatives undertaken by the students

42

5.13 Major grievances of students (if any) redressed:

2

## Criterion – VI

### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

Vision:

To be a University of global dynamism with excellence in knowledge and innovation ensuring social responsibility for creating an egalitarian society

Mission:

**UM1:** Offering well balanced programmes with scholarly faculty and state-of-art facilities to impart high level of knowledge.

• **UM2:** Providing student - centered education and foster their growth in critical thinking, creativity, entrepreneurship, problem solving and collaborative work.

• **UM3:** Involving progressive and meaningful research with concern for sustainable development.

• **UM4:** Enabling the students to acquire the skills for global competencies.

• **UM5:** Inculcating Universal values, Self respect, Gender equality, Dignity and Ethics.

6.2 Does the Institution has a management Information System

Yes,

The University has the Management Information System called BRAIN V2.15 ( Brilliant Resource For Academic Institution)



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

#### 6.3.1 Curriculum Development

1. Students are given an option to choose Open Electives from Massive Open Online Courses (MOOC). Guidelines to integrate the credit earned with the curriculum are framed. Similar provisions for Ph.D Course work are incorporated.

Provisions are given for extension of the mini project (offered during last but one semester) to major project (offered during last semester). This extension enables the student to take their projects for possible publication and patent.

2. Added topics on Vigilance, Anti corruption, Details of agencies/organizations such as Central Vigilance Commission, Central Bureau of Investigation, etc. associated with anti corruption and How and Whom to make complaints regarding corrupt practices in the curriculum.
3. Added topics on National Policy on occupational safety, occupation health and the working environment in the curriculum.
4. Graduate attributes are developed for the following programme.
  1. B.Arch.
  2. B.Sc.
  3. BCA
  4. B.Sc. B.Ed.
  5. B.Ed.
  6. B.B.A.
  7. B.Com.
  8. M.Sc.
  9. M.A. English
  10. M.Tech. (Nano Tech- Integrated)
  11. M.A. Pol. Sc.
  12. M.S.W.
  13. M. Arch

#### 6.3.2 Teaching and Learning

Advanced learners, Slow Learners and Medium learners are identified based on the CGPA and they are given specialized programmes for 1 Hour 15 minutes between 3.45 pm to 5.00pm.

- i. The advanced learners of 3<sup>rd</sup> year are given an option to choose their Open Elective Course they are supposed to do during 8<sup>th</sup> semester in 5<sup>th</sup> semester. By this the student can complete theory subjects of 8<sup>th</sup> semester in the 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> semester and concentrate only on their projects during 8<sup>th</sup> semester.
- ii. Similarly the advanced learners of 2<sup>nd</sup> and 4<sup>th</sup> year students are exposed to skills needed for placement and higher studies. These skills are imparted by the senior teachers of the department and external experts.
- iii. Slow learners are given coaching in the courses in which they are weak during the above time. By this, the back logs can be easily cleared.



### 6.3.3 Examination and Evaluation

#### I. Outcome Based Education (OBE) Scheme

- i. CA 1 and CA 2 will be conducted in the departments and HoD or senior member appointed by HoD will be Chief Superintendent. No QAC will be conducted as the CA 1 and CA 2 are considered as continual (Formative) assessment.
- ii. The exams will be conducted during forenoon (First 2 Hours) and regular classes will be continued after the exams. The Schedule will be provided by the CoE.
- iii. The questions are directly related to COs
- iv. Question pattern are given for the CA 1, CA 2 and End Semester examinations as below.

Class Test I and II			
MCQ- 10	1x10	= 10	Compulsory
2 marks – 5	2x5	=10	Compulsory
15 marks – 2	2x15	=30	Either Or
		<b>Total 50 Marks</b>	<b>2 Hours</b>
End Semester			
MCQ- 10	1x10	= 10	Compulsory
2 marks – 5	2x5	=10	Compulsory
15 marks – 4	4x15	= 60	Either Or
10 marks – 2	2x10	= 20	Compulsory
		<b>Total 100 Marks</b>	<b>3 Hours</b>

- v. The 2 marks questions are added for more flexibility in testing the COs.
- vi. The MCQs are related to COs and therefore are conducted in offline. However Online MCQ Exams can be conducted during the end of semester by the department with the help of the Computer centre and taken as one assessment tool in CA3..

#### II. CGPA and Passing minimum

##### A. Grade Versus Marks distribution ( As per UGC Guidelines)

##### Category I. UG programme in Arts, Science and Humanities and Education

Grade Letter	Grade Point	Performance	Actual Marks
O	10	Outstanding	$A \geq 91$
A+	9	Excellent	$81 \leq A < 91$
A	8	Very Good	$71 \leq A < 81$
B+	7	Good	$61 \leq A < 71$
B	6	Above Average	$55 \leq A < 61$
C+	5	Average	$50 \leq A < 55$
C	4	Pass	$40 \leq A < 50$
U	0	Reappear/Absent	$A < 40$
W	0	Withdrawal	

**Note:** The passing minimum is 40% marks and marks less than 40% is considered as U grade



**Category II. UG/ PG/ Ph.D in Architecture, Engineering and Technology and PG, Ph.D programmes of Arts, Science and Humanities**

Grade Letter	Grade Point	Performance	Actual Marks
O	10	Outstanding	$A \geq 91$
A+	9	Excellent	$81 \leq A < 91$
A	8	Very Good	$71 \leq A < 81$
B+	7	Good	$61 \leq A < 71$
B	6	Above Average	$55 \leq A < 61$
C	5	Average	$50 \leq A < 55$
U	0	Reappear/Absent	$A < 50$
W	0	Withdrawal	

**Note:** The passing minimum is 50% marks and marks less than 50% is considered as U grade

**Category III. 5 year Integrated Programmes such as M.A. (Political Science), M.S.W and M.Sc (Software Engineering)**

- For the year I to III will follow the Category I
- For the year IVth to Vth will follow the Category II

**B. Attendance Requirements**

1. 80% attendance is required in a course for a student to take up Class Test 1 and Class Test 2 or Mid Sem Exam (Lab Component). If she/he fails to attain, she/he will have to take up extra classes (Remedial) and complete the exercise within that semester itself. This is applicable to UG programs only For Summative assessment existing rules are applicable.
2. Existing rules apply for OD, Special Exams and number of years to complete the programme.

**C. CGPA to % conversion :** CGPA to % conversion is multiplication of CGPA with 10.

**D. Classification of degree**

**i. UG programme in Arts, Science and Humanities and Education**

CGPA	7.50 and above and passed in first attempt (Maximum number of courses which can be withdrawn is three and withdrawal considered for only one semester of the programme).	First Class with Distinction
	6.00 (in any attempt) and above in $n + 1$ consecutive years where $n$ is the number of years for a programme	First Class
	Greater than 5.5 but less than 6.0 (in any attempt)	Second Class
	Greater than 4.0 but less than 5.5 (in any attempt)	Third Class



**ii. UG/ PG/ Ph.D in Architecture, Engineering and Technology and PG, Ph.D programmes of Arts, Science and Humanities.**

CGPA	7.50 and above and passed in first attempt  (Maximum number of courses which can be withdrawn is three and withdrawal considered for only one semester of the programme).	First Class with Distinction
	6.00 (in any attempt) and above in $n + 1$ consecutive years where $n$ is the number of years for a programme	First Class
	Less than 6.00	Second class

**iii. For B.Ed Degree**

% of Marks	75% and above in first attempt  (Maximum number of courses which can be withdrawn is three and withdrawal considered for only one semester of the programme)	First Class with Distinction
	60% and above in any attempt in $n + 1$ years	First Class
	Less than 60%	Second class

**E. Minimum Requirements of marks for passing a course**

Type of assessment	Architecture, Engineering and Technology		Arts, Sciences and Humanities and Education			
	UG Programme	PG Programme	UG Programme	PG Programme	5 Years integrated Programme	
					(I-III year) Considered as UG	(IV-V year) Considered as PG
	B.Tech, B.Arch, M.Tech (Integrated Programme)	M.Tech, M.Arch, MCA, MBA, M.Phil, Ph.D (Course work)	B.Sc., BA., B.Sc. B. Ed., B.Com. B.Com(Hons), BCA,	M.Sc., MA., B.Ed	M.Sc(S/W) MSW MA(PS)	M.Sc (S/W) MSW MA(PS)
Formative	40	50	35	40	35	40
Summative	40	50	35	40	35	40
Total= Formative + Summative	50	50	40	50	40	50

**III. Question Paper Setting and Valuation for Students admitted from 2015-16 onwards**

- Introduced External question papers for summative assessment and collected from the well experienced faculties from reputed institutions.
- Central valuation has been arranged in the campus. External members have been selected from the panel for the valuation.



#### **6.3.4 Research and Development**

- 1) Introduced Massive open online courses as course work subjects for the Research Scholars.
  - 2) Faculty are publishing papers only in Scopus indexed, Sci indexed, Google Scholars indexed, Thomson Reuters indexed and IEEE journals.
  - 3) Close monitoring and guiding mechanism for research scholars has been introduced.
  - 4) Cash awards are provided for the faculty those who publish papers in reputed journals.
  - 5) Faculty are provided with Travel grants to attend seminar and workshop to improve quality of research.
  - 6) Half Time Teaching Assistanceship is provided for the deserving full time scholars.
  - 7) Seed money provision is also available in PMU for the promotion of pilot projects.
  - 8) For strengthening the quality of research, Annual Research Board meeting, Biannual Research Scholars' meeting and Research faculty meeting are regularly arranged.
- Eligible Internal faculty members are sponsored to Register Ph.D either in this institution or in some other Institutions as they prefer

#### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

Library is augmented with additional books of 8187 to a worth of Rs 48.15 lakhs, and e books of 60000 in number to a worth of Rs 2.30 lakhs. E journals of 161 in number to the tune of Rs 4.86 lakhs. J Gate and Proquest digital data bases are added to the worth of Rs 2.33 lakhs

#### **6.3.6 Human Resource Management**

To enhance the career development, teaching staff were permitted to attend conferences, workshop, for improving their technical skills.

#### **6.3.7 Faculty and Staff recruitment**

The University advertises for Recruitment of faculty and staff through National dailies, University website. University follows all the procedures given by the statutory authorities.



### 6.3.8 Industry Interaction / Collaboration

1. Approaching the companies directly in person and inviting them for a campus visit.
2. Getting feedback from the HR's on student's performance.
3. Gathering the opinions from HR's on their expectations from the students.
4. Training the students based on the feedback and suggestion received from the HR
5. Making the HR's to interact directly with students and convey their requirements during per placement talk.
6. Had a 360 degree of search in opportunities and provided 24\*7 University.
7. Signed MOU with Industries based on Win – Win Strategies.

### 6.3.9 Admission of Students

Open house conducted for school, and college students to create awareness. A Career guidance programme (Vaagai Sooda Vaareer), an awareness programme is conducted all over Tamil Nadu and other parts of India to educate the students about opportunities for higher education, infrastructure facilities, admission procedure, programmes offered by the university and financial assistance through scholarship and loans.

### 6.4 Welfare schemes for

Teaching & Non teaching	<p><b>Welfare Schemes:</b></p> <p>Employee Provident Fund Gratuity Employees Linked Insurance Scheme Group LIC Scheme Staff Safety Insurance Scheme</p> <p><b>Staff Welfare Measures:</b></p> <p>Employee ward Scholarship to the tune of 15% of Tuition fee Job for the nearest relative of the deceased Employee on compassionate grounds</p>
Students	<p><b>A. Student safety Insurance Scheme</b></p> <p><b>B. Management Scholarship</b></p> <ol style="list-style-type: none"> <li>1. Rank holders Scholarship</li> <li>2. Meritorious Scholarship</li> <li>3. Merit Scholarship III A</li> </ol>



	4. Merit Scholarship III B 5. Socio Economic Scholarship 6. First Graduate Scholarship 7. Periyar PURA Villages Scholarship 8. Scholarship for Students from Sister Institutions 9. Scholarship for Siblings of existing PMU Students 10. Scholarship for Wards of PMU Employees 11. Sports Scholarship
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6.5 Total corpus fund generated 5 crores

6.6 Whether annual financial audit has been done Yes ☒ No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	DNV – GL Chennai	Yes	PMU UQMS
Administrative	Yes	DNV – GL Chennai	Yes	PMU UQMS

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

For UG Programmes Yes ☒ No ☐

For PG Programmes Yes ☒ No ☐

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

1. Minimum percentage of attendance required for appearing examination was raised from 75 % to 80 %
2. External Question paper setting and valuation are introduced from 2015-16 onwards
3. Students are given provisions to apply for photocopy of the answer scripts and to apply for revaluation
4. MOCK Assessment was conducted to ensure compliance of Examination Systems

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

Not Applicable



#### 6.11 Activities and support from the Alumni Association

Departments organise Alumini Association Meet once a Year.

Our alumini support their juniors in getting employment, They guide the juniors in training them and to make them as employable graduates

Our alumini support their juniors in their projects and in planning for Industrial visit

Whenever they visit our campus they used to have interaction with the students and give on sight talk over the latest developments in the area where they work

#### 6.12 Activities and support from the Parent – Teacher Association

Every Year Parent Teacher meetings will be held two times, one in Odd semester and another in even Semester. All the major departments conduct parents teachers meet separately and feedback given by the parents will be reviewed and appropriate action will be taken.

#### 6.13 Development programmes for support staff

Development Programmes for support staff are being organised periodically in Skill training like Hardware troubleshooting, UPS maintenance,DTP work, software installation etc.

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

##### **1. Check dam construction**

- Two nos. of Check dams were constructed in the premises. One which covers an area of 8096 sq.m, length of 420m and depth of about 3m , capacity of about 24288 cu.m and the other having dimensions of about 91 x 20m x1.5m and having the capacity 2730 cu.m. The constructed weir has the dimensions of 12m X 0.6m X 1.8m this water is utilised for Garden and farming area.

##### **2. Rain Water Harvesting**

- Rainwater which is collected from ground surface in the campus is fed into the collecting sumps located in four different places of University. Roof top water from the buildings are collected and fed into two water storage wells each having a capacity of 5 lakh litres. The size of conveying PVC pipe are 100 mm dia and 150mm dia. Rain water harvesting is done by using recharge trench of about 3 nos having length of 300m and depth 1.5m.
- The average rainfall in this vicinity as calculated by the survey is nearly 1314mm.The average water harvested per year from the rooftop of buildings and constructions are nearly 38528 cum, from lined road area is nearly 5756cum and from open area is approximately 90593 cum.



### **Rain Water Harvesting (Con't)**

- The run off and the drainage are collected in the pond through trapezoidal unlined open channel having dimensions top width 2m, bottom width 1m and depth 1m and length of channel 1 Km.
- The rainwater thus harvested and collected in the sumps is directly used as irrigation water for lawns by suitable sprinklers in the campus of about 40,000 litres per day and for vegetable farms by drip irrigation of about 2,50,000 litre per day. The recharged groundwater through deep bore well is utilized for all institutional needs and construction of buildings. Thus the entire water needs of the University are satisfied from the rain fed subsoil resources and no external water supply is drawn from any other source.

### **3. Plantation**

- PMU campus has around **4,500 shrubs and plant varieties, 35,324 native trees and endangered trees**. Such thick foliage of vegetation absorbs **CO<sub>2</sub> emission around 3,66,765 tonnes per annum and release of O<sub>2</sub> around 4,133 tons per annum**.
- We have established a farm in the premises with very thick foliage of around **2809** timber trees like red sanders, rose wood, teak and vengai and some native fruit trees like coconut, mango, jackfruit, sappota and medicinal plants like amla and aloe vera in 100 acre. By these activities, the land and socio-economic values of the surrounding areas have increased.

### **4. Efficient Waste Management Methods**

#### **➤ Biomass Gasifier:**

The continuous upgrading of renewable energy gadgets paved the way for establishment of Periyar Energy Park in the year 1999. Followed with the establishment, alternate energy is generated about 100 kW through Biomass gasification in dual mode in the year 2001. In the year 2004 a captive power generation of capacity 200 kW biomass gasification unit was installed, the raw materials used are barks of Juli flora, Cassuarina, Bamboo and Eucalyptus as the results with reduction of **253 tonnes of CO<sub>2</sub> emission per annum**

#### **➤ Biomethanisation Plant:**

The Biomethanisation plant in this University is multi feed with the following feeds like Animal dung, Night soil, Vegetable waste and Food waste. The gas producing capacity of the digester is 500 cu.m per day. The volume of gas produced will generate 60 kW<sub>e</sub> of electricity. This will not only generate significant quantity of Biogas but also generate the digested material used as a high grade soil conditioner. The plant reduces **292 tonnes of CO<sub>2</sub> emission per annum**

### **5. Bamboo Cultivation**

Bamboo is cultivated in 10 acres with 10 different varieties in the University under the funding of National Mission on Bamboo Applications (NMBA), Government of India. Bamboo needs one-tenth of the water as compared with paddy cultivation and having ground water retaining capacity. It has the survival of **40 years** as a **standing crop**. Each bamboo clump liberates **850 grams of O<sub>2</sub> per day** whereas the requirement of a single person per day is only **800 grams of O<sub>2</sub>**.



**6. Periyar Paper Reprocessing Unit:**

All the waste paper generated in the campus are processed in this unit and reused as saleable articles such as files, paper bags, packing materials etc. In this way, 1.2 tonnes of recycled paper is produced per year; as a result 210 trees per year are being saved and reduce **1.2 tonnes of CO<sub>2</sub> emission in every year.**

**7. Usage of CFL Light System:**

The University always keeps pace with the shifts in technology like transition from fluorescent lamps to CFL and now to LED. Energy saved is **25.6 MWh**. Per annum

**8. Alternative Building Materials Unit:**

Alternative building materials like hollow blocks, interlocking blocks, paver blocks are manufactured to meet our own infrastructural requirements. This technology reduces deforestation and soil erosion. This technology has avoided deforestation and soil erosion and so far we have Produced 2 Million blocks and there by 36,337 **tonnes of wood and 44,800 tons of fertile top soils** are saved. It also reduces to **3456 tons of CO<sub>2</sub> emission**

## **Criterion – VII**

### **7. Innovations and Best Practices**

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

1. Outcome Based Education System
2. Examination Reforms such as revaluation
3. Students with CGPA between 6 to 7.5 consider as Moderate Learners, Students with CGPA below 6 consider as Slow Learners and for Advance Learners a special provision could be given to study 8<sup>th</sup> semester subjects during 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> Semesters there by allowing them to concentrate on 8<sup>th</sup> semester projects
4. U.G, P.G, M.Phil. students and Ph.D Scholars are permitted to take MOOC course.



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

S.No	Plan Of Action	Action Taken
1	To introduce Outcome Based Education system	Outcome Based Education System Introduced from 2015-16 academic year onwards. Curriculum and Syllabi for different departments were framed
2	To introduce Examination Reforms to full fill the needs of Outcome Based Education	Examination Reforms were Introduced as given in 6.3.3
3	To introduce amendments in Ph.D Regulation regarding Directed Study	The scholars registered from 2016-17 must undergo at least two MOOC courses instead of directed Study courses
4	To conduct workshops for faculty to get familiarise with Outcome Based education	Series of workshops were conducted for the teaching staff
5.	To conduct Alumni meeting within the department	The department has initiated to conduct the Alumni meeting in their department
6.	To conduct Alumni meeting with the final year student	The department has initiated to conduct the alumni meeting with the final year student
7.	To attain timely feedback from Student, Parent, Alumni, employer	A time norm was designed and to attain feedback from Student, Parent, Alumni, employer.

7.3 Give two Best Practices of the institution

1. Video graphing of teachers during the lecture to identify mistakes and to improve according
2. Student are encouraged to practice to practical knowledge towards end product.

7.4 Contribution to environmental awareness / protection

1. Major Partner in Clean Thanjavur Movement
2. Organises Green Marathon to create environment awareness among the public
3. Organises regular meetings in association with District administration for Hospitals, doctors and others to make them to realise their responsibility towards environmental protection
4. Construction of Modular Toilet for nearby villagers
5. Massive tree plantation in nearby Villages

7.5 Whether environmental audit was conducted?

Yes



No



Water quantity and quality audit Energy audit




7.6 Any other relevant information the institution wishes to add.

To strength the technical expertise in Teaching Staff, they are encourage to visit nearby industries to gain knowledge on latest Technology

8. Plans of institution for next year

1. To conduct one skill oriented programme (value added programme) for students in 2016-17
2. To measure the attainment level of COs and POs for 2015-16 and related change in teaching learning strategy to be incorporated.
3. To encourage minimum one faculty development program in a year for each department.
4. To encourage UG students to take up online courses in regular curriculum.
5. To improve funds received for major project by 20%.
6. To improve funds received for minor project by 30%.
7. To facilitate stationary / stores near women hostel
8. To establish dedicated team for campus maintenance.
9. To increase number of students clearing competitive exams (GATE,CAT,SET,NET, etc .) by 10%.
10. To plan department wise Alumni meets
11. To conduct parent meeting at designated cities.
12. To conduct monthly meeting with industrialist to know the current usage of technologies.
13. To attain ISO 140001-2015 certification by June 2017.
14. To conduct half yearly environmental review.

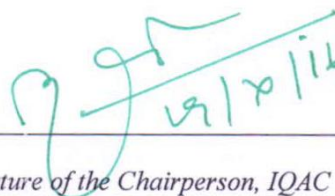
Name **DR K V R Rajandran**



19/10/2016.

Signature of the Coordinator, IQAC

Name **Col Prof. N. Ramachandran**



19/10/16

Signature of the Chairperson, IQAC

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## **Annexure I**

### **Abbreviations:**

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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