# The Annual Quality Assurance Report (AQAR) of the IQAC
## For the Year 2016 - 2017

# Part – A

## Details of the Institution

| | | |
|---|---|---|
| 1.1 Name of the Institution | : | Pondicherry University |
| 1.2 Address Line 1 | : | R. Venkataraman Nagar, Kalapet |
| Address Line 2 | : | Puducherry – 605 014 |
| City/Town | : | City |
| State | : | Puducherry |
| Pin Code | : | 605 014 |
| Institution e-mail address | : | registrar@pondiuni.edu.in |
| Contact Nos. | : | 0413-2654200, 0413-2654300 |
| Name of the Head of the Institution | : | Prof. (Mrs.) Anisa Basheer Khan  (Officiating) - up to 28.11.2017<br>Prof. Gurmeet Singh - from 29.11.2017 |
| Tel. No. with STD Code | : | 0413-2655179 |
| Mobile No. | : | 9442406602 |
| Name of the IQAC Co-ordinator | : | Prof. S. Balakrishnan |
| Mobile No. | : | 9442254471 |
| IQAC e-mail address | : | iqac@pondiuni.edu.in<br>iqacpu@gmail.com |
| 1.3 **NAAC Track ID** | : | **13330** |
| 1.4 Website address | : | www.pondiuni.edu.in |
| Web-link of the AQAR | : | http://www. pondiuni.edu.in/iqac/aqar |

1.5 Accreditation Details

| Sl. No. | Cycle | Grade | CGPA | Year of Accreditation | Validity Period |
|---------|-------|-------|------|----------------------|-----------------|
| 1 | 1$^{st}$ Cycle | A | - | 1998 | 2006 |
| 2 | 2$^{nd}$ Cycle | B$^{+}$ | - | 2006 | 2011 |
| 3 | 3$^{rd}$ Cycle | A | 3.15 | 2011 | 2016 |

1.6 Date of Establishment of IQAC        :27.02.1996

1.7 AQAR for the year                :                2016-17

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

  i.  AQAR     2011-12
 ii.  AQAR     2012-13
iii.  AQAR     2013-14
iv.  AQAR     2014-15
 v.  AQAR     2015-16

**1.9   Institution Status**

| | |
|---|---|
| University (State / Central / Deemed/ Private) | Central University |
| Affiliated College | NA |
| Constituent College | NA |
| Autonomous College of UGC | NA |
| Regulatory Agency approved Institution | NA |
| Type of Institution (Co-education/Men/Women) | Co-education |
| Type of Institution (Urban/Rural/Tribal) | Semi Urban |
| Financial Status (Grant-in-aid/UGC 2(f) / UGC 12B) | UGC 2 (f) UGC 12 B |
| Grant-in-aid (Grant-in-aid + Self Financing/Totally Self-Financing) | Grant-in-aid + Self Financing |

**1.10 Type of Faculty / Programme**

| Faculty | Enter Yes/No. |
|---|---|
| Arts | Yes |
| Science | Yes |
| Commerce | Yes |
| Law | Yes |
| PEI (Physical Education Institute) | Yes |
| TEI (Teachers Education Institute) | Yes |
| Engineering | Yes |
| Health Science | No |
| Management | Yes |
| Others (Specify) | Languages, Fine Arts and Multi Disciplinary Courses and Community College, |

**1.11 Name of the Affiliating University (for the Colleges):** Not Applicable

**1.12 Special status conferred by Central / State Government:** Central Government

| Special Status | Yes / No. |
|---|---|
| Autonomy by State/Central/Govt./University | Yes/Central University |
| University with Potential for Excellence | No |
| UGC-CPE | No |
| DST Star Scheme | No |
| UGC-CE | No |
| UGC-Special Assistance Programme | Yes / 14 |
| DST-FIST | Yes / 8 |
| UGC-Innovative PG Programme | Yes |
| UGC-COP Programme | Yes |
| *Any other (Specify)* | |
| DST- PURSE-Grant | Yes / 1 |
| DST - IPLS | Yes / 1 |
| DST - SERB | Yes / 15 |
| ICSSR | Yes / 5 |
| CSIR | Yes / 7 |

| | |
|---|---|
| DBT | Yes / 4 |
| ICMR | Yes / 1 |
| CDB | Yes / 1 |
| UGC Research Award | Yes / 8 |
| UGC | Yes / 19 |

## 2.    IQAC Composition and Activities

### 2.1    Composition of IQAC

| | | |
|---|---|---|
| Chairperson: Head of the Institution | : | 1 |
| A few senior administrative officers | : | 8 |
| Three to eight teachers | : | 8 |
| One member from the Management | : | 2 |
| One/two nominees from local society, Students and Alumni | : | 1 |
| One/two nominees from Employers/Industrialists/stakeholders | : | 1 |
| One of the senior teachers as the Coordinator/Director of the IQAC | : | 1 |

2.1.1 **No. of IQAC Meeting held**      :      2

### 2.2    IQAC Activities:

2.2.1 **No. of Meeting with various stakeholders**:

| Meeting | Numbers |
|---|---|
| Total No. | **6** |
| Faculty | 4 |
| Non-Teaching Staff | 1 |
| Students | 0 |
| Alumni | 0 |
| Others | 0 |

2.2.2 **Has IQAC received any funding from UGC during the year?  Yes Rs. 2/-** Lakh

2.2.3 **Seminars and Conferences (only quality related)**

No. of Seminars / Conferences / Workshops / Symposia organised by the PU are:  106

### 2.2.4   Significant Activities and contribution made by IQAC

The Internal Quality Assurance Cell (IQAC) has evolved appropriate mechanism and procedure to ensure (a) efficient, effective and progressive performance of academic and administrative tasks; (b) relevance and quality of the academic programmes; (c) maximization and integration of teaching, learning, research, extension and consultancy opportunities; (d)

credibility of evaluation procedures and (e) adequacy and maintenance and proper allocation of support structure and services. The IQAC, through a well structured format, collects necessary primary data and information from all the Departments and Administrative sections of the University on Academic Programmes Offered, Students Enrolment, Faculty Strength, Infrastructure and Quality of the Programmes.

The system of assessment to ensure quality education being carried out by the university is detailed below:

**(i)    Teachers' Self-Appraisal Form**

This form is a major input to evaluate the performances of Teachers and their capability matrix under the context of their Teaching, Learning, Research and Development, and Extension Activities.

**(ii)   Peer Assessment of Faculty by Faculty**

This is an important component of assessment to maintain congenial academic and administrative atmosphere in the schools, departments and centres.

**(iii)  Students Critical Evaluation of Teachers**

It provides an opportunity to elicit views of students regarding the teaching commitment and capability of the Faculty.

**(iv)   Questionnaire on Administration**

This is used to evaluate functioning of various administrative sections while delivering services to students, staff and the other stakeholders and also to elicit the information regarding ability to carry out reforms.

**(v)    Periodic Review on File Tracking of Administration**

With the co-ordination of University Statistical Cell, file tracking of regular administration has been carried out through computerization. University administration is making regular and periodic reviews on the status of files. This will help to know current status of decision making.

**(vi)   Students Feedback on Campus Facilities**

A questionnaire is also prepared for obtaining the students feedback on campus facilities such as Cleanness and Ambiance in Campus, Security in the Campus, Library Facility, Research Facility, General Student Amenities, Canteen Facility, Sports Facility, Transport Facility, Medical Facility, Overall Impression etc.

**(vii)  Parents Feedback on Campus Facilities**

A questionnaire is prepared for obtaining the parents feedback on campus facilities provided in the University, General Reputation, Campus Atmosphere, Placement Record, Location of University, overall rating, etc.

## University Statistical Cell

In order to develop database management system of the University, this cell is in collection, preservation, updating and retrieving of all vital information.  This helps in report preparation.

## Intellectual Property Rights Cell

The academic research work of Pondicherry University faculties has been commendable with 4177 publications with cumulative h-index of 65. Innovative research and teaching culture of the university necessitates proactively exploring and bringing to light the treasure of Intellectual Property Rights (IPR) that can benefit the faculty and the University. In this direction, University has constituted an IPR Centre and a Patent Facilitation Committee (PFC) under the Chairperson of the Vice Chancellor to enable and guide patent filing by the stakeholders of the University and to take necessary step to promote the IPR culture in campus. The mandate of this Centre is to create IPR awareness, encourage filing of patent, facilitate the process of patent filing and maintenance of IPR and generate returns from IPR of Pondicherry University.  PFC has drafted the proposed IPR policy for the University and the same has been circulated among the faculty members, staff and scholars for seeking feedback and suggestions for finalization. In the awareness workshop on IPR held on 3rd Sept. 2016, a panel of expert have deliberated the draft IPR policy of Pondicherry University and refined it. Number of patents filled in the year 2016-17 : 5.

## Inter University Collaboration and Research Cell

The objective of this cell is to have collaborative research and academic activities with other universities. The operational area is either within India or with multi nationals. This cell is also having the tie-up with industries, academic bodies, research centres to track the knowledge resources and converting the University endeavours has national productivity. We have inter disciplinary and intra disciplinary activities with all the stakeholders of Pondicherry University.

**University – Industry Inter Linkage Centre**

In order to accommodate the industrial requirements in basic, as well as, applied sciences, university has established this centre and working for the cause of exploring more applied scientific technologies to suit the industry activities. As a part of this our teaching and research community is extending their expertise to skill development and knowledge capacity building in the respective disciplines.

**Start-up Centre**

- To create a technology cum management infrastructure to produce successful business enterprises that would subsequently create jobs and wealth for students, faculty and alumni.

- To provide an integrated package facility of academic & technical assistance workspace, sophisticated instrumentation facility, pre-clinical pharmacology and toxicology facility, and networking and Information and Technology support.

- To encourage and mold young entrepreneurs and start- up companies to incubate their technologies and potential IPRs for translatable products / processes.

**Service Management System**

Services Management System facilitates to register complaints related to Transport, Communication and Electrical services throughout the University Campus. The System is very user friendly and helps to keep track of the status of Complaints registered and also provides necessary Contact details.

**Central Instrumentation Facility**

- To strengthen technological infrastructure to carry out advanced research in various science disciplines under one roof and make their services available to academic schools and departments.

- To provide guidance for acquisition of data and train personnel in operation and maintenance of Sophisticated Instruments.

- To organize short-term courses/workshops on the use and application of various spectroscopic and analytical techniques for students, teachers and technical personnel from our University, affiliated institutions, universities and industry in the region.

**Computer Centre**

As an academic centre it is primarily catering to the teaching/learning and research needs of the various departments of the University in the areas of ICT and especially that of Computer Science department. The Centre is engaged in

- Teaching/learning programmes of the department of Computer Science

- IT infrastructure establishment and management of the University

- Offering IT Enabled Services (ITES) to the University Community

- In-house software requirements and training in the areas of ICT

### 2.2.5 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 *

| Plan of Action | Achievements |
|---|---|
| Students Feedback of Teachers<br><br>Invited Talks by Eminent Persons<br><br>Workshops and Training Programs<br><br>Faculty Development Programs | - Best Teacher Award given |
| **Academic Calendar**<br>    An Academic Calendar for University programmes is prepared every year by a duly constituted Academic Calendar Committee, which includes faculty representatives from various departments and affiliated institutions. The Calendar is strictly adhered to every year. URL for Academic Calendar : http://www.pondiuni.edu.in/sites/default/files/2018-19-calandar.pdf | |

### 2.2.6 Whether the AQAR was placed in statutory body

Yes : IQAC, Academic Council & Executive Council

Suggestion made by members of the IQAC and Academic Council were take note of.

These were planned to be incorporated into the future activities of the IQAC

# 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 | 51 | - | - | - |
| | PG | 63 | - | - | - |
| | UG | 4* | - | - | - |
| | UG Vocational | 4* | - | - | - |
| | PG Diploma (Based on Entrance) | 3 | - | - | 2 |
| | Diploma (Add on Course) | 22 | - | 22 | 22 |
| | Diploma (Add on Course) | 21* | - | 21 | 21 |
| | Diploma (Add on Course) - Vocational | 4* | - | 4 | 4 |
| | PG Diploma (Add on Course) | 4* | - | 4 | 4 |
| | Certificate (Add on Course) | 6 | - | 6 | 6 |
| | Certificate (Add on Course) | 18* | - | 18 | 18 |
| | Others | - | - | - | - |
| | Academic Staff College | - | - | - | - |
| | a.  Orientation Course | NA | 3 | NA | NA |
| | b.  Refresher Course | NA | 5 | NA | NA |
| | c.  Short Term Course | NA | 3 | NA | 2 |
| | **Total** | **200** | **11** | **75** | **79** |
| | Interdisciplinary (M.Sc. Integrated PG Courses) | 9 | - | - | 9 |
| | Innovative | 1 | - | - | 1 |

*Pondicherry University Community College

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

The Choice Based Credit System (CBCS) enables a student to obtain a degree by accumulating required number of credits prescribed for that degree. The number of credits earned by the student reflects the knowledge or skill acquired him / her. Each course is assigned with a fixed number of credits based on the contents to be learned. The student also has choice in selecting courses out of those offered by various departments. The grade points earned for each course reflects the student's proficiency in that course.

The CBCS enables the students to earn credits across departments and provides flexibility in duration to complete a Program of study. The CBCS facilitates transfer of credits earned in different Departments/ Centres of other recognized / accredited universities or institutions of higher education in India and abroad. In this System student representatives take part in designing the curriculum for a program of Study and facilitate in running the academic programs.

All the courses offered in the University follow semester patter under CBCS system. The marks obtained are converted in to grades under relative grading system. Where the students are less than 20 absolute grading methods is adopted. Even the courses under Distance Education also follow the semester pattern. But the grading system is not followed in Distance Education and is based on the absolute marks and divisions are awarded.

The practice of final grading is on CGPA calculated as the weighted average of the grades awarded in the semester examination and the number of credits the course prescribes. The grades in the semester examination are awarded based on relative grading. All diploma courses also follow the semester pattern but these final marks are taken into consideration, not the grade.

As a result of implementing CBCS for about two decades, the following best practices have en adopted for enhancement of teaching – learning process.

The students are regular and punctual to the classes, studious in carrying out the assignments making maximum use of the available library, internet and laboratory facilities.

The teachers adhere to the schedules of teaching, tests, seminars, evaluation and notification of results.

Schedule of teaching and tests of the entire semester, including the dates of tests, dates of score notification and all other schedules are planned in advance.

The teacher's carryout unbiased and objective evaluation and marking of internal scores.

Transparency, objectivity and quality are the key factors that will sustain a good CBCS system.

**(ii) Pattern of programmes:**

| Pattern | Number of programmes |
|---|---|
| Semester | 200 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **1.3** | Feedback from stakeholders* *(On all aspects)* | | | | | | | |
| **Mode of Feedback** | Alumni | ✓ | Parents | ✓ | Employers | ✓ | Students | ✓ |
| | Online | ✓ | Manual | ✓ | Co-operating Schools (for PEI) | | | ✓ |
| *\*Please provide an analysis of the feedback in the Annexure* | | | | | | | | |

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

The curricula of all the programmes have been revised and for framing the syllabi of all the new programmes, curriculum development workshops were held. The CBCS system has certain inbuilt mechanisms of curriculum review, every year through the BOS and School Boards, which are closely monitored by respective Deans. The Choice Based Credit System also allows flexibility of learning and freedom to students to choose Soft core programmes from other Departments which enables them to bridge the gaps and deficiencies which they may have, in order to meet the requirements of Hardcore courses.

| Sl. No. | Programme Code | Name of the Programme where syllabus revision was carried out |
|---|---|---|
| 1 | 305 | M.Tech. Nano Science & Technology |
| 2 | 307 | M.Tech. Green Energy Technology |
| 3 | 374 | M.Sc Physics |
| 4 | 380 | M.Sc. Physics (5 Year Integrated) |

| | | |
|---|---|---|
| 5 | 380 | M.Sc. Applied Geology (5 Year Integrated) |
| 6 | 379 | M.Sc Coastal Disaster Management |

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

**No**

# Criterion – II

## 2. Teaching, Learning and Evaluation

### 2.1 Total No. of permanent Faculty

| Total | Assistant Professor | Associate Professor | Professors |
|---|---|---|---|
| **357** | 195 | 80 | 82 |

### 2.2 No. of Permanent Faculty with Ph.D   :            346

| No. of Permanent faculty with Ph.D. | Assistant Professor | | Associate Professor | | Professor | |
|---|---|---|---|---|---|---|
| | No. | % | No. | % | No. | % |
| | 176 | 90% | 80 | 100% | 82 | 100% |

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

| Assistant Professor | | Associate Professor | | Professors | | Others | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| R | V | R | V | R | V | R | V | R | V |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

### 2.4 No. of Guest and Visiting faculty and Temporary Faculty

| Guest Faculty | Visiting Faculty | Temporary Faculty |
|---|---|---|
| 91 | - | 3 (On Contract) |

### 2.5 Faculty participation in conferences and symposia

| No. of Faculty | International Level | National Level | State Level |
|---|---|---|---|
| Attended | 326 | 348 | 333 |
| Presented Papers | 325 | 307 | 326 |
| Resource Persons | 1 | 41 | 7 |

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

Pondicherry University is the Pioneer in introducing CBCS system since 1995-96. The subjects are weighted in terms of credits. Based on quantum and difficulty of teaching and learning, the subjects are classified into 2 credit courses, 3 credit courses, and 4 credit courses etc., based on the future contact hours required. Field based projects / subject based subjects carry 5 credits. Further, based on essentiality, the subjects are divided into Hard Core and Soft Core. Hard Core subjects are compulsory for the given degree programme. Soft core

courses are optional and students have an option to choose. Each department offers a variety of Hard and Soft core courses to choose not only by their own students but also by the students of other departments. For completion of a programme a student has to earn certain number of credits. These credits may be completed even within 3 semesters by efficient students. Thus, students have great opportunity and flexibility in designing his course structure based on his phase of learning.

**2.7    Total No. of actual teaching days during this academic year    :    183**

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

I. Evaluation Process and Reforms:

> **Initiated**

- Computerization of Examination section.
- Online registration of applications for various examinations have been commenced in March 2009 so that verification process has become easier and the candidates can collect their hall tickets by downloading the same from the University Website. By this, no student is required to come to the University either for submission of applications or for lodging a complaint against non receipt of hall ticket.
- Transparency in the evaluation system has been introduced by providing photocopies of the valued answer scripts of End-of-Semester Examinations, providing Continues Internal Assessment CIA test papers and displaying mark lists on the Department notice board.
- Re-appearance for improvement is allowed for paper(s), which a student has appeared for and passed in the immediate previous semester.
- Conduct of supplementary examinations for arrear papers.
- Uniform examination fee is charged for the supplementary examinations irrespective of the number.
- Special supplementary examination provisions are also introduced to help the students to join higher studies or any job without loss of academic year.

II. Quality Initiatives in Evaluation:

- Question paper checking to avoid errors and ambiguity in questions.

- For every question, key is provided and this is being supplied to the examiner to avoid subjectivity.

- Feedback on pattern and standard of the questions has been obtained from the examiners.

- Timely publication of results within a week from the date of last semester examination held.

- Best answer scripts are displayed on the student's notice board. This practice motivates the students to perform better and makes the examiners to perform their duty with utmost sincerity.

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

| Board of Study | Faculty Development Programme | Curriculum Development |
|---|---|---|
| 588 | 90 | 84 |

**2.10  Average percentage of attendance of students** : 85%

**2.11 Course / Programme wise distribution of pass percentage**

| | Title of the Programme | Total no. of students appeared | Division | | | |
|---|---|---|---|---|---|---|
| | | | Pass % | Distinction % | I% | II% |
| 1 | M.A.  Applied Economics | 52 | 90.4 | 17.3 | 69.2 | 3.8 |
| 2 | M.A.  English & Comparative Literature | 91 | 97.8 | 24.2 | 71.4 | 2.2 |
| 3 | M.A. History | 37 | 100.0 | 16.2 | 83.8 | 0.0 |
| 4 | M.A. Mass Communication | 40 | 95.0 | 5.0 | 87.5 | 2.5 |
| 5 | M.A. Politics And International Relations | 29 | 89.7 | 13.8 | 75.9 | 0.0 |
| 6 | M.A. Sociology | 31 | 96.8 | 19.4 | 74.2 | 3.2 |
| 7 | M.A. South Asian Studies | 19 | 100.0 | 21.1 | 78.9 | 0.0 |
| 8 | M.A. French Translation  & Interpretation | 40 | 100.0 | 20.0 | 72.5 | 7.5 |
| 9 | M.A. Hindi | 4 | 100.0 | 0.0 | 100.0 | 0.0 |
| 10 | M.A. Philosophy | 5 | 100.0 | 40.0 | 60.0 | 0.0 |
| 11 | M.A. Sanskrit | 3 | 100.0 | 100.0 | 0.0 | 0.0 |
| 12 | M.A. Tamil | 29 | 100.0 | 27.6 | 72.4 | 0.0 |

| 13 | M.A. Anthropology | 7 | 100.0 | 0.0 | 100.0 | 0.0 |
|----|----|----|----|----|----|----|
| 14 | M.B.A. Banking Technology | 58 | 98.3 | 12.1 | 86.2 | 0.0 |
| 15 | M.B.A. Business Administration | 101 | 93.1 | 5.0 | 88.1 | 0.0 |
| 16 | M.B.A. Insurance Management | 15 | 93.3 | 13.3 | 80.0 | 0.0 |
| 17 | M.B.A. International Business | 66 | 98.5 | 3.0 | 95.5 | 0.0 |
| 18 | M.B.A. Tourism | 63 | 76.2 | 3.2 | 71.4 | 1.6 |
| 19 | M.C.A. Computer Applications | 148 | 95.3 | 8.8 | 85.8 | 0.7 |
| 20 | M.Com Accounting and Taxation | 62 | 93.5 | 3.2 | 80.6 | 9.7 |
| 21 | M.Com Business Finance | 140 | 92.1 | 2.1 | 74.3 | 15.7 |
| 22 | M.Ed. Master of Education | 67 | 98.5 | 31.3 | 65.7 | 1.5 |
| 23 | M.P.A. Theatre Arts | 4 | 100.0 | 100.0 | 0.0 | 0.0 |
| 24 | M.P.Ed. Physical Education | 67 | 98.5 | 10.4 | 88.1 | 0.0 |
| 25 | M.Sc (Astrophysics) | 11 | 90.9 | 18.2 | 63.6 | 9.1 |
| 26 | M.Sc. Applied Psychology | 41 | 97.6 | 29.3 | 68.3 | 0.0 |
| 27 | M.Sc. Chemical Sciences | 52 | 82.7 | 3.8 | 76.9 | 1.9 |
| 28 | M.Sc. Disaster Management | 10 | 100.0 | 60.0 | 40.0 | 0.0 |
| 29 | M.Sc. Applied Geology | 23 | 100.0 | 8.7 | 91.3 | 0.0 |
| 30 | M.Sc. Biochemistry & Molecular Biology | 40 | 77.5 | 2.5 | 65.0 | 10.0 |
| 31 | M.Sc. Bioinformatics | 23 | 95.7 | 8.7 | 82.6 | 4.3 |
| 32 | M.Sc. Biotechnology | 22 | 100.0 | 18.2 | 81.8 | 0.0 |
| 33 | M.Sc. Computer Science | 76 | 96.1 | 14.5 | 81.6 | 0.0 |
| 34 | M.Sc. Ecology & Environmental Sciences | 37 | 97.3 | 13.5 | 81.1 | 2.7 |
| 35 | M.Sc. Electronic Media | 31 | 96.8 | 9.7 | 87.1 | 0.0 |
| 36 | M.Sc. Food Science and Nutrition | 33 | 97.0 | 12.1 | 84.8 | 0.0 |
| 37 | M.Sc. Food Science And Technology | 16 | 100.0 | 18.8 | 81.3 | 0.0 |
| 38 | M.Sc. Marine Biology | 15 | 93.3 | 20.0 | 73.3 | 0.0 |
| 39 | M.Sc. Mathematics | 61 | 96.7 | 9.8 | 82.0 | 4.9 |
| 40 | M.Sc. Quantitative Finance | 10 | 100.0 | 20.0 | 80.0 | 0.0 |
| 41 | M.Sc. Statistics | 44 | 88.6 | 9.1 | 61.4 | 18.2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 42 | M.Sc. Microbiology | 23 | 91.3 | 13.0 | 73.9 | 4.3 |
| 43 | M.Sc. Physics | 48 | 72.9 | 4.2 | 60.4 | 8.3 |
| 44 | M.Tech (Computational Biology) | 11 | 100.0 | 18.2 | 72.7 | 9.1 |
| 45 | M.TECH. Computer Science And Engineering | 23 | 91.3 | 30.4 | 60.9 | 0.0 |
| 46 | M.TECH. Environmental Engg. & Management | 17 | 100.0 | 23.5 | 76.5 | 0.0 |
| 47 | M.TECH. Network & Internet Engineering | 23 | 100.0 | 13.0 | 87.0 | 0.0 |
| 48 | M.Tech (Electronics and Communication Engineering) | 28 | 100.0 | 14.3 | 82.1 | 3.6 |
| 49 | M.Tech. Exploration Geoscience | 5 | 100.0 | 60.0 | 40.0 | 0.0 |
| 50 | M.Tech. Green Energy Technology | 27 | 100.0 | 22.2 | 77.8 | 0.0 |
| 51 | M.Tech. Nanoscience and Technology | 24 | 100.0 | 37.5 | 62.5 | 0.0 |
| 52 | MSW - Master Of Social Work | 42 | 92.9 | 16.7 | 76.2 | 0.0 |
| 53 | MLIS - Master of Library & Information Science | 20 | 95.0 | 15.0 | 55.0 | 25.0 |
| 54 | LLM | 9 | 100 | 0.0 | 88.9 | 11.1 |
| 55 | M.Sc. 5- Year Integrated Mathematics | 16 | 56.3 | 6.3 | 25.0 | 25.0 |
| 56 | M.Sc. 5 - Year Integrated Applied Geology | 27 | 77.8 | 14.8 | 63.0 | 0.0 |
| 57 | M.Sc. 5 - Year Integrated Physics | 29 | 69.0 | 3.4 | 62.1 | 3.4 |
| 58 | M.Sc. 5- Year Integrated Chemistry | 27 | 51.9 | 51.9 | 0.0 | 0.0 |
| 59 | M.Sc. 5- Year Integrated Computer Science | 20 | 75.0 | 70.0 | 5.0 | 0.0 |
| 60 | M.Sc. 5- Year Integrated Statistics | 21 | 42.9 | 4.8 | 38.1 | 0.0 |
| 61 | M.Sc. 5- Year Integrated (Economics) | 22 | 90.9 | 22.7 | 68.2 | 0.0 |
| 62 | Diploma In Food Safety And Quality Assurance | 3 | 100.0 | 66.7 | 33.3 | 0.0 |
| 63 | Diploma In Green Energy Technology | 1 | 0.0 | 0.0 | 0.0 | 0.0 |

**2.12    How does IQAC Contribute/ Monitor/Evaluate the Teaching & Learning Processes:**

The IQAC established in the year 1996 has evolved appropriate mechanism and procedure to ensure efficient, effective and progressive performance of academic and administrative tasks; relevance and quality of the academic programmes; maximization and integrity of teaching, learning, research, extension and consultancy opportunities; credibility of evaluation procedures, adequacy and maintenance and proper allocation of support structure and services.

The University has adopted the following mechanisms / processes for internal quality checks.

- Evaluation of teachers by students at the end of every semester.

- Self appraisal reports submitted by teachers every year.

- Organisation of workshops of Quality Assurance and Management at regular intervals to sensitize the faculty on these issues.

- Students' feedback on various academic programmes is received to understand and evaluate their impact on and usefulness to students.

The IQAC meets periodically to review the progress of the University and its quality enhancement based on the criteria fixed by the NAAC for self evaluation and suggests actions for further strengthening and sustaining the quality. The quality of the academic programmes is ensured through constant monitoring and supervision by appropriate committees as detailed below:

- Every Department has a programme committee which meets at least three times a semester to review the P.G. programmes offered in the Department.

- Ph.D. programmes are monitored by Doctoral Committees. For every Ph.D. Scholar, a separate Doctoral Committee is constituted. The Doctoral Committee meets every six months and monitors the progress of the scholar.

- The curriculum is revised three years by the Board of Studies constituted according to regulations (Academic Ordinance).

The University ensures the quality of administration by establishing a well defined hierarchical administrative structure for a smooth execution of various administrative decisions with necessary internal monitoring and checks.

The IQAC has constituted an academic and administrative audit committee with external members to ascertain the strength and weakness of the university.

The major objectives of AAAC are as follows:

(a) To understand the existing system and assess the strengths and weaknesses of the Departments and Administrative Units and to suggest the methods for improvement and for overcoming the weaknesses while teaching, learning and evaluation, student support and progression.

(b) To ascertain whether the departments/ centres are functioning efficiently and effectively with proven records of capacity building, research projects and publications and extension over a period of time or not;

(c) To identity the bottlenecks in the existing administrative mechanisms and to identify the opportunities for academic reforms, administrative reforms and examination reforms for a long term progression with excellence and to face the challenges of internalisation in higher education;

(d) To evaluate the optimum utilization of financial and other resources, issues concerning with leadership and organization, functional autonomy and financial management and

(e) To suggest the methods of improvement for maintaining quality in higher education.

The committee was constituted with 7 external experts on various subjects drawn from different parts of the country. The committee members are as follows:

| Sl.No | Members |
|---|---|
| 1 | **Dr. Anwar A. Khan**<br>Professor of Physics & Electronics<br>Former Vice-Chancellor, Ranchi University |
| 2 | **Prof. V. Venkata Ramana**<br>Co-ordinator, Technology Business Incubator & Professor, School of Management Studies<br>University of Hyderabad |
| 3 | **Dr. G. Baskaran**<br>Professor & Dean<br>The Gandhigram Rural Institute – Deemed University, Gandhigram, Dindigul District, Tamil Nadu – 624 302. |
| 4 | **Dr. Bhupendra Yadav**<br>School of Education<br>Azim Premji University, PES Campus Pixel Park<br>Bengaluru – 560 100. |

| | | |
|---|---|---|
| 5 | **Dr. R. Indira**,<br>Professor,<br>Mysore University | |
| 6 | **Dr. M.C. Subhash Peter**<br><br>Faculty of Science, Professor<br>Department of Zoology, University of Kerala<br>Kariavattom, Thiruvananthapuram – 695 012. | |
| 7 | **Dr. G. Rajendran**<br><br>Professor & Head, Department of Management Studies<br>Anna University, Chennai – 600 025. | |

**Highlights**

The University, through a well structure format, collects the necessary primary data and information from all the Departments and other Sections of the University on Programs Offered, Students Enrolment, Faculty Strength, Infrastructure and other Programmes. The system of evaluation and internal assessment and the results of students, placement and further progression of students in higher education are assessed by using these details.

**Teachers' Self-Appraisal**

All faculty members every year fill up in order to collect Self Appraisal form which contains information on Qualification, Experience, Research Publications during the last five years, number of Research Projects, and Funds Mobilized by the Teacher, Conferences Attended and Papers Presented, Foreign Academic Visits, Fellowships Obtained, Countries Visited, Organisation of Conferences, Membership of Academic Societies, etc. The Self Appraisal report forms another major input to evaluate performances of Teachers in Teaching, Learning, Research and Development and Extension Activities.

**Peer Assessment of Faculty by Faculty**

Teachers' feedback about his/her colleague is an important component any assessment to maintain congenial academic and administrative atmosphere in the schools, departments and centres. Questions regarding teacher's general aptitude and attitude are asked to give the feed-back.

**Students Critical Evaluation of Teachers**

Students' feedback is an essential component of any assessment. It provides an opportunity to elicit the view of the students regarding the general facilities available in the Department, their opinion about the teaching and research commitment and capability of the

Faculty, role of administrators and system of administration, delays and denials of justice, and for providing better amenities and care on campus with modern tools and techniques. Questions regarding teacher's regularity in conducting classes, providing up-to-date information on the subject, their orientation to the assigned part of the curriculum, style and efficiency of teaching, clarity in imparting information, availability of the teacher before and after the class hours for consultation, general ability of the teachers, their capabilities in motivating students for progression, etc are normally included in such exercises. Students are also asked to give their feedback in an abstract manner. This is a good initiative for introspection from its stakeholders and beneficiaries. The AAAC evaluate these forms and suggests improvement possibilities.

**Questionnaire on Administration**

A questionnaire is also prepared for obtaining the role played by various administrative sections including the officers of Registrar, Registrar (Evaluation), Finance Officer and the other supporting units such as SC/ST Cell, University Library, Student Welfare Office, University Health Centre, Horticulture Department, National Service Scheme, Directorate of Correspondence Courses (DCC) and Estate Office while delivering services to students, staff and the other stakeholders and also to elicit the information regarding the efficiency of the functioning of these offices. This will also help in carrying out reforms.

The AAAC with the help of the IQAC initiates the process of Academic and Administrative Audit by visiting all the Departments, Units and Facilities for the purpose of understanding the Department, Faculty and their activities. This exercise is carried out in all departments/ units to officer valuable suggestions to improve their performances both individually and collectively. Sufficient time is also provided for the Departments and the Faculty to prepare themselves for this exercise.

**2.13 Initiatives Undertaken Towards Faculty Development:**

| Faculty / Staff Development Programmes | Number of Faculty benefited |
|---|---|
| Refresher courses | 221 |
| Orientation programmes | 103 |
| Short term courses | 62 |
| Principal's Workshop | 7 |
| Staff training conducted by the university | 13 |

**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 | 385 | 119 | - | - |
| Technical Staff | 171 | 37 | - | 142 |
| **Total** | **556** | **156** | **-** | **142** |

# CRITERION – III

## 3. RESERACH, CONSULTANCY AND EXTENSION

**3.1 Initiative of the IQAC is Sensitizing / Promoting Research Climate in the institution**

Faculty were encouraged to submit research projects to various funding agencies. Research component is built into the P.G. programmes offered by most of the department/Centres of the University. In some of the Department/Centres entire semester is devoted to research/project work. The University provides travel grants to faculty for attending national and international conferences / Seminars / Symposia to present their research findings and interact with peers.

**3.2 Details regarding major projects**

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | 20 | 56 | 33 | 20 |
| Outlay in Rs. Lakhs | 3,57,26,650 | 17,20,08,631 | 21,44,16,466 | 3,57,26,650 |

**3.3 Details regarding Minor Projects**

|  | Completed | Ongoing | Sanctioned | Submitted |
|---|---|---|---|---|
| Number | 1 | 8 | 5 | 1 |
| Outlay in Rs. Lakhs | 4,80,000 | 25,90,567 | 14,02,000 | 4,80,000 |

**3.4 Details on Research Publications**

|  | International / National |
|---|---|
| Peer Review Journals | 863 |
| Non-Peer Review Journals | 0 |
| e-Journals | 106 |
| Conference Proceedings | 21 |

**3.5 Details on Impact factor of publications**

| Range | Average | h-index | Nos. In SCOPUS |
|---|---|---|---|
| 0.899 – 10.59 | 3.29 | 65 | 14 |

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

| Major projects | | | |
|---|---|---|---|
| **Duration Year** | **Name of the funding Agency** | **Total grant Sanctioned** | **Received** |
| 2014-19 | BRNS | 4598950 | 691250 |
| 2014-19 | CSIR | 9800562 | |
| 2014-19 | DAE - BRNS | 2339750 | |
| 2014-19 | DBT | 45737900 | 13884113 |
| 2014-19 | DRDO | 988000 | 2354760 |
| 2014-19 | DST | 27874374 | 34999000 |
| 2014-19 | DST- DPRP | 9566000 | 7333000 |
| 2014-19 | DST-SERB | 31935795 | 2647833 |
| 2014-19 | ICMR | 4700000 | |
| 2014-19 | ICSSR | 600000 | 200000 |
| 2014-19 | ISRO | 4486200 | 1300000 |
| 2014-19 | MoES | 13211299 | 6894299 |
| 2014-19 | MoES - CMLRE | 16530000 | |
| 2014-19 | UGC | 27421800 | |
| 2014-19 | UGC-MRP | 2404200 | |
| 2014-19 | USFWS | 5540451 | |
| Minor Projects | | | |
| 2014-19 | CSIR | 441000 | |
| 2014-19 | DAE - NBHM | 401700 | |
| 2014-19 | ICSSR | 1160000 | 192000 |
| 2014-19 | IUAC | 101267 | |
| 2014-19 | MOYA&S - RGNIYD | 480000 | 280000 |

| 2014-19 | UGC | 486600 | |
|---|---|---|---|
| **Total** | - | **21,08,05,848** | **7,07,76,255** |

**3.7  No. of books published:**

    With ISBN No.         :        39

    Without ISBN No.       :        8

    Chapters in Edited Books  :        68

**3.8  No. of University Departments receiving funds from:**

    UGC – SAP            :        14

    CAS                   :        1

    DST – FIST             :        8

    DBT Scheme / funds    :        4

    DST – PURSE         :        1 (University Level)

**3.9  For Colleges:**    NA

**3.10 Revenue Generated through Consultancy**    **:**

| **Dr S. Jayakumar** Department of Ecology and Environmental Sciences | Urban Dynamics, Landscape Ecological Security, and Policy Implications: A case Study of Chennai District | Madras School of Economics Chennai | 300000 |
|---|---|---|---|

**3.11 No. of Conferences organised by the Institution**

| **International** | 137 | **National** | 8 | **State** | 0 | **University** | 0 |
|---|---|---|---|---|---|---|---|
| Pondicherry University Collaboration with the funding agencies namely as UGC, DST, DBT, SAP ICSSAR | | | | | | | |

**3.12  No. of Faculty served as experts, chairpersons or resource persons:  47**

**3.13  No. of collaborations:**

    International    :        27

    National       :        26

    Any other      :        -

**3.14  No. of linkages created during this year** :    14

**3.15  Total budget for research for current year in lakhs**

| Total budget for research for current year in lakhs | - |
|---|---|
| From Funding Agency | 2510.69 |
| From Management of University / College | 102.93 |
| Total | **2613.12** |

**3.16  No. of Patents received this year**

| Type of Patent | | Number |
|---|---|---|
| National | Applied | 6 |
| | Granted | 0 |
| International | Applied | 0 |
| | Granted | 14 |
| Commercialised | Applied | 0 |
| | Granted | 0 |

**3.17  No. of research awards / recognitions received by faculty and research fellows**

   **Of the institute in the year**

| Total | International | National | State | University |
|---|---|---|---|---|
| 88 | 20 | 33 | 12 | 23 |

**3.18  No. of faculty from the institution**

| Who are Ph.D Guides | 329 |
|---|---|
| Students registered under them | 212 |

**3.19. No. of Ph.D awarded by faculty from the Institution**        :        172

**3.20. No. of Research Scholars receiving the Fellowship (Newly enrolled + existing ones)**

| Sl.No | Name of the Award | Total No. of Awardees |
|---|---|---|
| 1 | UGC-JRF/SRF | 106 |
| 2 | UGC-BSR | 36 |
| 3 | CSIR-JRF/SRF | 29 |
| 4 | DBT-Fellowship | 1 |
| 5 | DST – Inspire Fellowship | 4 |
| 6 | DST-SERB | 3 |
| 7 | DAE-BRNS | 1 |

| | | |
|---|---|---|
| 8 | ICHR | 4 |
| 9 | MNRE | 6 |
| 10 | JNMF | 1 |
| 11 | UGC | 91 |
| 12 | Maulana Azad National Fellowship for Minority students | 14 |
| 13 | ICSSR Fellowship | 6 |
| 14 | Rajiv Gandhi National Fellowship for SC/ST/OBC Candidate | 95 |
| 15 | Post-Doctoral Fellowship | 1 |
| 16 | Visvesvaraya  Scheme | 3 |
| 17 | Project Fellowships | 6 |
| 18 | Lady Tata Memorial Fellowship | 1 |
| 19 | National Fellowship for Higher Education | 1 |
| 20 | WOMEN SCIENTIST | 1 |
| 21 | National Fellowship for OBC (UGC) | 5 |
| 22 | Bhaskara Advanced Solar Energy Fellowship | 1 |
| 23 | UGC – Non NET Fellowship | 26 |
| 24 | INSPIRE Fellowship | 5 |
| 25 | Pondicherry University | 354 |
| 26 | Senior Research Fellowship | 5 |
| 27 | Any other | 12 |
| | **Total** | **818** |

**3.21  No. of students participated in NSS Events:**

| Internatinoal Level | National Level | State Level | University Level |
|---|---|---|---|
| - | 1 | 370 | 400 |

**3.22 No. of Students participated in NCC Events:**

| Internatinoal Level | National Level | State Level | University Level |
|---|---|---|---|
| - | - | 6 | - |

**3.23  No. of Awards won in NSS**

| Internatinoal Level | National Level | State Level | University Level |
|---|---|---|---|
| - | - | 1 | - |

**3.24  No. of Awards won in NCC**

| Internatinoal Level | National Level | State Level | University Level |
|---|---|---|---|
| - | - | - | - |

**3.25 No. of Extension activities organised**

| University Forum | College Forum | NCC | NSS | Anu other |
|:---:|:---:|:---:|:---:|:---:|
| 30 | 44 | - | 68 | - |

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

The Department of Tourism Studies took an initiative of adopting a village called Mathur in Vanur Taluk which is 6 kms away from Pondicherry University. The program was initiated under the broad banner of "Unnat Bharat Abiyan". Department conducted some research in the village and also organized cleaning campaigns, film screening interaction with village people and competitions for school children.

**Community Radio Caters to villages around Pondicherry University**

Puduvai Vaani had started with an aim to create awareness among the people to improve their nature of life style. Puduvai Vaani is the public broadcaster to awake, inform, enlighten, educate and entertain all sections of the people including the programme on women empower, communal harmony, health and education.

The Test Transmission in our Puduvai Vaani – Community Radio Station was started on August 23, 2008.

Our production team is regularly producing special programmes in standard format in both Tamil and English. Rural men and women, children and senior citizens had been given enough opportunities to share their views, experiences and expectations.

Our Puduvai Vaani – CRS was inaugurated by Shri.V. Narayanasamy, Hon'ble Union Minister of State for Planning & Parliamentary Affairs on 27.12.2008 in the presence of Shri P. Chidambaram, Hon'ble Union Home Minister and Prof.M. Ramadass, Member of Parliament. The inaugural ceremony was made in Live at Community Radio Station and the full time transmission is going on from 1st January 2009 onwards.

Transmission time is 9 AM to 5 PM (All Days)

Through "Earn while Learn" scheme, the students of Pondicherry University including M.A. Mass Communication and M.Sc. Electronic Media are attending the transmission duty and presenting the programmes regularly.

**Special Programme**

1. "Mann Ki Baat" – Speech by Honorable Prime Minister of India, Shri. Narendra Modi, Broadcasted at 11.AM on every Last Sunday of the Month.

2. BBC – Programme in English Broadcasted on every Saturday and Sunday at 02.00 PM to 05.00 PM with content of Science, History, Literature and Health.

3. 'MOU' Memorandum of Understanding: JIPMER and Pondicherry University Dt: 28.10.2016 for "VAZHVOM NALAMAAI" with content of Health Programme every Monday and Friday Broadcasted at 3.00 PM.

**Day Care Centre / Pre – Primary Centre**

The children coming under 4 months to 3 ½ years age are distinctively different from others and need special attention. The main aim of the centre is to provide a challenging and stimulating environment for the child's optimal development under all faculties such as Cognitive, Emotional, Social and Physical under the trained Caretakers especially when their parents' are engaged in University services or pursuing their career or higher studies in Pondicherry University.

It is an established fact that 80-90% of the brain develops by the time the child reaches 6 years. Thus the children in Day Care Centre are handled as individuals to enable each of them to reach their full potential.

# CRITERION – IV

| 4. | **Infrastructure and Learning Resources** | | | | |
|---|---|---|---|---|---|
| 4.1 | Details of increase in infrastructure facilities: | | | | |

| Facilties | Existing | Newly Created | Source of Fund | Total |
|---|---|---|---|---|
| Campus acres | 790 | - | - | 790 |
| Class rooms | 195 | - | UGC | 195 |
| Laboratories | 230 | - | UGC | 230 |
| Seminar Halls | 25 | - | UGC | 25 |
| No. of important equipments purchased (≥ 1.0 lakh) during the current year. | 17 | 47 | XII-PLAN, PROJECT | 64 |
| Value of the equipment purchased during the year (Rs. in Lakhs) | 1064792 | 42888188 | XII-PLAN, PROJECT | 43952980 |
| Others (less than 1 lakh) | 91120 | 62 3164285 | XII-PLAN, PROJECT | 3255405 |

| 4.2 | Computerization of adminstration and library |
|---|---|

- Leave management system was created to facilitate online application and approval of various types of leave to faculty.
- Project Cell activities have been computerised
- Finance Section has computerized most of its activities
- Library services are available online and its resources can be accessed remotely by Students, Faculty & Staff.

| 4.3 | **Library Services** |
|---|---|

| | | Existing | | Renewed | | New Added | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| | | No. | Value | No. | Value | No. | Value | No. | Value |
| | Text Books | 204027 | 12,14,04,454/- | Nil | Nil | 4881 | 54,57,609/- | 208908 | 12,67,62,244/- |
| | Reference Books | | | | | | | | |
| | e-Books | 155410 | 1,64,23,422/- | 155410 | 13,76,159/- | 4484 * | Nil | 159894 | 1,77,99,581/- |
| | Journals (Print) | 7665 | 15,75,03,507/- | 242 | 70,39,727/- | Nil | Nil | 7907 | 16,45,43,234/- |

30

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| e-Journals | 18873 | 4,14,91,116/- | 18873 | 67,49,848/- | 5362 # | Nil | 24235 | 4,82,40,964/- |
| Digital Databases | 13 | 3,63,50,932/- | 13 | 1,46,61,720/- | 01 | 5,89,816/- | 14 | 5,16,02,468/- |
| CDs Videos | 2423 | 93,94,401/- | 3466 | 5,65,475/- | 60569 | 5,79,593/- | 64035 | 1,05,39,469/- |
| Others (specify) Turnitin Software | 01 | 15,42,566/- | 01 | 5,15,600/- | Nil | Nil | 01 | 20,58,166/- |
| ILBCO's Email updates on Food Safety Law | 01 | 14,618/- | 01 | 5,000/- | Nil | Nil | 01 | 19,618/- |

\* The value for new added e-books is inclusive of renewed value of the respective publication.

\# The value for new added e-journals is inclusive of renewed value of the respective publication.

| 4.4 | Technology up gradation (overall) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Total Computers | Computer Labs | Internet | Browsing Centres | Computer Centres | Office | Departments | Others |
| | Existing | 2937 | 1 | 1 Gbps 240 Mbps | - | 1 | 110 | 2782 | - |
| | Added | - | - | - | - | - | - | - | - |
| | Total | 2937 | 1 | 1 Gbps 240 Mbps | - | 1 | 110 | 2782 | - |
| 4.5 | Computer, Internet access, training to teachers and students an any other programme for technology upgradation (Networking, e-Governance etc.) | | | | | | | | |

| | | | |
|---|---|---|---|
| | 1. Implemented successfully Online Admission Fee Payment | | |
| | 2. Training HoD and their staff for Online Admission | | |
| | 3. Online Leave Management System for Faculty | | |
| | 4. Online Faculty Assessment by Students for IQAC | | |
| | 5. Convocation Function Seat Registration/Allotment | | |
| | 6. Implementation of Campus Connect – Wireless Project of MHRD started | | |
| | 7. Connected new Buildings to the Campus Network | | |
| | I. Centre for Bioinformatics | | |
| | II. Department of Earth Sciences | | |
| | III. Centre for Green Energy Technology & Nano Science & Technology | | |
| | IV. Centre for Pollution Control (Additional Building) | | |
| | V. Department of Mathematics & Statistics (Additional Building) | | |
| | VI. Department of Electronic Media & Mass Communication | | |
| | VII. Department of Library & Information Science & Library Annex | | |
| | VIII. Horticulture Wing | | |
| | IX. Central Instrumentation Facility | | |
| **4.6** | Amount spent on maintenance in lakhs : | | ***Rupees in Lakhs*** |
| | i) | ICT<br>- Internet Leased Line<br>- AMC for<br>  - Nortel Router<br>  - Electronics Surveillance System<br>  - DELL Blade Server | 59.77 |
| | ii) | Campus Infrastructure and Facilities | 859.24 |
| | iii) | Equipments | 238.84 |
| | iv) | Others | 207.01 |
| | | **Total** | 1363.86 |

# CRITERION – V

## 5. STUDENTS SUPPORT AND PROGRESSION

### 5.1 Contribution of IQAC in enhancing awarness about Students Support Services

The institution has sufficient and well run support systems to ensure the physical and intellectual healthy of all its constituencies. The allocation of facilities is based on principles of fairness and encourages creative and optimal use. There are fair and expeditious grievance redressal mechanisms at all levels of the institution's functioning.

The institution's prospectus gives clear guidance to students about admission and completion requirements for all courses, the fee structure and refund policies, and student support services.

Financial aid to students is well publicised and fairly distributed. The students of the institution have access to competent counselling and placement services. The student of the institution has adequate and equitable access to learning support systems and to

The finances of the institution are judiciously allocated and effectively utilized to make its programmes and functioning cost-effective. The budgeting and auditing procedures are regularised and standardised. The institution has imaginative and effective resources mobilization and management strategies.

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

The administrative organization of the institution is such that powers and responsibilities are clearly assigned to designated bodies and individuals. The organization is designed to facilitate tasks related to every aspect of the institution's goals and every segment of its constituencies. Management techniques and technologies are used, to the extent possible, for efficient running of every administrative and academic task. The administrative and academic units of the institution make optimal and innovative use of available facilities. Academic and administrative planning in the institution more hand in hand. The institution has effective mechanism to monitor the functioning and progress of it academic and administrative units. All affected constituencies of the institution have access to relevant information pertaining to their professional functions and welfare.

The institution has adequate infrastructural facilities to run the educational programmes and administrative functions efficiency. The growth and maintenance of the

infrastructure keep pace with the academic growth of the institution. The infrastructure ensures a clean and efficient environment.

**5.3 (a). Total Number of Students**

| UG | | PG | | Ph.D | | Others | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| - | - | 3137 | 1904 | 276 | 160 | 528 | 449 | 3941 | 2513 |

**(b). No. of students outside the state:  1887**

**(c). No. of International Students    :  26**

| Men | No. | % |
|---|---|---|
| | 15 | 57.6 |

| Female | No. | % |
|---|---|---|
| | 11 | 42.3 |

| 2015-16 | | | | | | 2016-17 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| General | SC | ST | OBC | Physically Challenged | Total | General | SC | ST | OBC | Physically Challenged | Total |
| 1348 | 375 | 163 | 878 | 20 | 2812 | 1048 | 397 | 206 | 1390 | 31 | 3072 |

**(d). Student Enrolment:**

| Demand Ratio: It varies for various courses | 12:1 | Dropout% : 2.5% |
|---|---|---|

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

The University has taken steps to fill-up the remaining positions and to create more positions particularly in the departments, where the members of the faculty are less than six, so as to attain optimum level required for efficient and effective teaching and research. The young faculty has been encouraged to submit more projects for various Government, Non-Government and voluntary funding agencies with the help of seed money at initial stage and publish their findings through the publications cell of the University with required financial assistance and also to develop more patents. The coaching classes for various competitive examinations are organized for all students with free supply of reading materials and books. According to the overall objectives, the IQAC has monitored and improved the entire operations of the institutions and assured every stakeholders connected with higher

education, namely students, faculty members, staff, parents, funding agencies and society in general and the institutions accountability in particular, for its own quality and probity.

| No. of Students beneficiaries | 841 |
|---|---|

## 5.5 No. of Students Qualified in these Examinations

| NET | SET/SLET | GATE | CAT | IAS/IPSetc | State PSC | UPSC | Others |
|---|---|---|---|---|---|---|---|
| 41 | 10 | 28 | 0 | 0 | 3 | 0 | 0 |

## 5.6 Details of Student Counselling and Career Guidance

The Cell has developed among students, an understanding and appreciation of the diversity of our University and to cope effectively while operating out of their comfort zones – physical and psychological. The cell is providing quality, professional counselling services to the students. It is assisting students in improving self awareness, defining personal goals, resolving personal challenges, integrating effective life skills into their lives-thereby developing themselves emotionally, intellectually and socially. Counselling Centre enables students in becoming progressively responsible for their self development, facilitates students in developing true and vital life ideals and sensitizes the students with the social, psychological and emotional aspects of the world of work. The services and resources of the student counselling centre are available to all enrolled students at free of charge. The centre concentrates on adjustment to College or Professional Programs, interpersonal issues, grief and loss, identity exploration, academic Difficulties, Family Issues, Self-Esteem, Trauma and Abuse, Substance Abuse, Eating Issues, Stress Management, Time Management, Career Decisions and so on. The counselling centre adheres to professional standard for confidentiality, which are essential for developing trust between the student and the counsellor. All records are kept in a secure and confidential location and not included in the student's academic records.

| No. of Students beneficiaries | 1037 |
|---|---|

**5.7  Details of Campus Placement (Excluding School of Management Placement)**

| On Campus | | | Off Campus |
|---|---|---|---|
| Number of Organisations Visited | Number of Students Participated | Number of Students Placed | Number of Students Placed |
| 113 | - | 417 | - |

**5.8  Details of gender sensitization programmes**

Such programmes are organized through the Seminars and Special Lectures. In some department such as Centre for Study of Social Exclusion & Inclusive Policy, this is a part of curriculum also. Anti ragging measures of the University are adopted by all the departments. There is a Sexual Harassment Cell at the Central Level. Department of Social Work, Sociology & Women Studies organised seminars on Gender Sensitization and Development.

**5.9  Students Activities**

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

| | | |
|---|---|---|
| State / University Level | : | 630 |
| National Level | : | 350 |
| International Level | : | 0 |

**5.9.2  No. of Students participated in cultural events**

| | | |
|---|---|---|
| State / University Level | : | 217 |
| National Level | : | 120 |
| International Level | : | 0 |

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

| | | |
|---|---|---|
| State / University Level | : | 6 |
| National Level | : | 1 |
| International Level | : | 0 |

**5.9.4  No. of medals / awards won by students in Cultural:**

| | | |
|---|---|---|
| State / University Level | : | 10 |
| National Level | : | 1 |
| International Level | : | 0 |

**5.10  Scholarships and Financial Support**

|  | No. of Students | Amount (Rs. in Lakh) |
|---|---|---|
| Financial support from institution | 2158 | 73.06 |
| Financial support from Government | 612 | 441.42 |
| Financial support from other sources | 31 | 70.84 |
| Number of students who received International/ National recognitions | - | - |

**5.11  Student organised / initiatives Fairs:**

| State / University Level | **13** |
|---|---|
| National Level | **8** |
| International Level | **0** |

**Student organised / initiatives Exhibitions:**

| State / University Level | **10** |
|---|---|
| National Level | **7** |
| International Level | **0** |

**5.12  No. of Social Initiatives undertaken by the students**

Adoption of villages by Department of Tourism Studies under the Swachh Bharath Scheme.

**5.13  Major Grievances of Students (If any) redressed**

In case the student has any grievance, the paper is reviewed by the evaluative committee constituted with HOD, concerned teachers and VC s nominee in the programme committee.

In the event of conspicuous error and genuine grievances represented by students, the School board conducts an enquiry and takes an appropriate decision to redress the grievance depending on the merit of the grievance.

Grievance Redressal Mechanism:

➢ The grievance, if any received from the students on the question paper like out of syllabus, tough nature, is referred to the concerned Chairman/Chief Examiner for taking appropriate decision.

➢ Moderation is allowed by the Moderation Board depending upon the nature of the Valuation.

- Double valuation is done for PG Courses

- Grace marks up to 2 is allowed to all candidates for all subjects for candidates who are short of the marks and grace up to 5 marks is allowed to the candidates who are in the end-semester examination as per the decision of the Academic council.

- Chances of Revaluation and Re-totalling is allowed for all courses;

- Re-valuation is allowed for M.B.B.S Courses for the first time in the University as per the decision of the Academic Council.

  To address specific grievances, Specially Examination Committee, Women Cell, Sexual Harassment committee etc., are functioning.

# CRITERION – VI

## 6.  Governance, Leadership and Management

**6.1 State the Vision and Mission of the institution**

**Vision**

• To serve as an enabler of societal transformation through state-of-art higher education and research that match global benchmarks by providing access, resources and opportunities.

• To become an institution of global eminence.

• Adapting to ever-changing needs of the society and industries.

**Mission**

To deploy globally competent resources in terms of people, infrastructure and partners through development of trained human resources, who will serve as agents of value based Societal transformation in various spheres of life enriched with technology - assisted education, research, training and cultural integration.

**Objectives**

The objects of the University shall be to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit and by the example of its corporate life, and, in particular, to make special provisions for studies in French and for integrated courses for Humanities and Science in the educational programmes of the University and to take appropriate measures for promoting inter-disciplinary studies and research in the University.

- To keep abreast of the country's needs and global challenges and prepare Human Resource to meet them.

- To create higher education opportunity for students interested in the faculties of science, technology, social sciences, humanities, management and media etc.

- Promote inter-disciplinary teaching and research programmes

- To encourage collaborative research

- To encourage multidisciplinary learning by broadening the base.

- To foresee the future and the gap that may arise in the demand and supply of human resources and prepare the manpower accordingly.

- To direct the university department to contribute towards the social cause in terms of extensive research for the benefit of the society.

**6.2**    **Does the Institution has a management Information System : Yes**

In partial use in 2016-17 (upgraded in 2016)

- Submission of Annual Reports by Schools, Departments & Centres online and consolidation by Planning & Development Section

- E-mail facility to all officers and teaching community of this University numbering about 803 users.

- Software development (In-House and Outsourced) for various sections and departments of the University by the Computer Centre for

  o Electrical Engineering Complaints Management System -Completed and implemented successfully

  o Transport Management System Completed and implemented successfully

  o Establishment Management System Under implementation

  o Hostel Management System with Online Fee collection

All data regarding the following are available in digitized mode as first step to MIS

- Schools, Departments & Centres Academic Programmes

- Student's on the rolls for 2016-17

- Students' Hostels

- Faculty Positions, Faculty Profile & Publications

- Non-Teaching Staff Profile

- Seminars / Symposia / Workshops / Short-Term Courses conducted

- Doctoral Programmes

- Research Projects, Research Activities & Research Facilities,

- Library

- Grants received from UGC & Grants received from Funding Agencies

- Internal Quality Assurance Cell

- Placement

- ICT – Facilities

- General Information such as Memorandums of Understanding & Important events

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

Establishment of Computer Labs in various Schools for the benefit of M.A/Ph.D students/Scholars

**6.3.1  Curriculum Development**
- Periodical revision and for framing the syllabi of all the new programmes
- Curriculum development workshops
- Curriculum review, such as Board of Studies & School Boards, ensuring both Curriculum Development and Quality Check.
- CBCS flexibility for students to choose Soft core programmes from other Departments.
  a. Involvement of Student representatives in the Programme Committee
  b. Student Feedback on the performance of Teachers and
  c. Informing teachers about their performance score given by students to ensure quality curriculum performance

The University has a well-organized system of curriculum development and up gradation. Curriculum Development Workshops are held particularly for launch of new programmes and subjects/frequently.

Each department has a Programme Committee which includes all Faculty, one member from the sister Departments nominated by Vice-Chancellor and student members. Any new subject to be introduced or an existing subject to be revised, is first taken up in the Programme Committee, then, placed before the Board of Studies which consists of the Faculty of the Department, experts from other Universities and experts from Industry or relevant field as special invitees to develop the curriculum. The syllabus developed by the Board of Studies of the Departments are then placed in the School Board which contains senior Faculty from all the Sister Departments of the school, Dean of the School as chairperson and external experts for further scrutiny and improvement. After the approval of School Board it is placed before Academic Council, for its approval. All clarifications suggestions and modification offered by the Academic council are carried out in the curriculum so developed, by referring it back to the Chairman Board of Studies. All the

approvals accorded by the Academic Council, become statute and regulations with the approval of M.H.R.D. and the Visitor.

The Departments are given flexibility to introduce courses of relevance with the approval of programme committee and the Chairman of the respective School Board without waiting for the meeting of the Board of Studies to incorporate changes in the syllabus and curriculum to avoid loss of time.

The same is later placed before the Board of Studies for sanctions. The most important inputs come from the experts from industry, employers and other institutions.

The suitability of the curriculum is tested from the placements the students get after course completion, particularly through campus selections.

### 6.3.2 Teaching and Learning

- Observance of time frame given in planned Academic Calendar as guideline to teacher and taught.

- Committed and high quality teaching with stress on skill development, intensive laboratory training, good facilities.

    Faculty enthused to attend and usefully participate in national and international seminars and conferences.

- Introduction of Computer aided training in all subjects with establishment of Computer Laboratories with licensed software in every School / Department.

- Computer Laboratories have been established in all Schools

- Internet access band width was enhanced to 240 Mbps (1:1) and was made effective from 31.10.2014. About 300 Mbps Internet access is being realized/utilized from NKN.

- Full campus networked with OFC cabling and the entire 780 acres made Wi-Fi enabled.

- University renewed the Microsoft Campus Agreement for the year 2017.

- Maintaining the UGC Teacher Student Ratio and constantly encouraging teachers to go for higher training, attend national and international conferences.

- Recognising the essential importance of a powerful Research Base and Research Culture which will directly impact the quality of teaching and learning in an University, knowledge is dissemated by adopting State of the Art techniques, available in the classroom and in the Library.

- E-Learning (Moodle / A view) facilitated via Computer Centre with registered users in the following Schools / Departments:

    1. School of Education

    2. Dept. of Electronic Media & Mass Communication

    3. Dept. of English

    4. Computer Centre

    5. School of Law

- Computer Centre, Pondicherry University (one among the few institutions in the country to be provided) operations and maintains 1 Gbps connectivity to the National Knowledge Network (NKN), an ambitious project of the Government of India to connect all Universities and colleges in the country.

- Access to online journals is now made available on this NKN platform.

- Information access via e-books & Journals in the Library, well-equipped Laboratories, up to date and advanced analytical facilities are provided so as to achieve innovative and high quality research.

There exists a system of students evaluating the teacher in the University. The evaluation is carried out at the end of the year. However it is proposed to be carried out at the end of each semester. The IQAC has designed a proforma comprising punctuality, subject knowledge, evaluation, presentation, skill; inter personal relation etc., as the parameters of evaluation.

*Following are the 18 points for Teacher evaluation by Students;*

1. Explanation of the process of internal assessment as required by the CBCS

2. Promptness in distributing the session schedule (of Classes, Tests, Seminars, Assignments, Quiz etc) well in advance

3. Does the Teacher give the list of suggested books at the beginning of the semester

4.  Punctuality in taking classes

5.  Availability in the Department / Centre during working hours (8.30 / 9.30 am to 4.30 / 5.30 pm) or consultation, discussion and clarification.

6.  Ability in implementing the schedule with due promptness

7.  Full utilization of 60 – minutes – class – hour primarily for teaching and not engaging the class in irrelevant talk

8.  Interactive / Discussion Method in the class

9.  Optimal use of audio – visual aids in the class – room

10. Updation of latest developments in the subject to students

11. The Capacity and clarity of teaching to make you understand the subject

12. The Communicative and speaking ability in English

13. Completion of all the units of the specific paper / topic assigned to the faculty

14. Fairness and objectivity in the assessment of the students by the faculty

15. Capacity to stimulate the interest for further reading

16. Seriousness of the faculty in making alternate arrangement for his / her classes whenever he / she are on leave.

17. Willingness of the teacher to respect the right of the students to express freely.

18. Willingness of the teacher to motivate the students to take – up higher studies, participates in co-curricular and extracurricular activities.

The data is analyzed statistically and for various parameters mean and standard deviation of score obtained computed. The feedback performance score in 5 point scales is communicated to the individual teachers and the low performing teachers are advised to improve their performance. The best performances are commended by the University on the teacher's day with a certificate of merit. The cases of persistent poor performers are reported to the Executive Council for corrective action. The teachers also are evaluated by the peer group.

*The peer evaluation of teachers by the following parameters;*

1. Personality

2. Politeness

3. Sharing & Obliging

4. Supportive Attitude

5. Inter Personnel Relationship

Each of the evaluation is statistically analyzed and the score is communicated to respective Faculty confidentially. This practice has made teachers conscious of their teaching and their conduct in the classes and has contributed in the overall improvement in quality of teaching. The score is also used as criteria to extend probation of new teachers.

### 6.3.3 Examination and Evaluation

Periodic assessment and conduct of end-semester examination and evaluation for all Integrated and Masters' courses, as per guidelines for the Choice Based Credit System.

Introduction of Computer aided training in all subjects with establishment of Computer Laboratories with licensed software in every School / Department. 23 Computer Laboratories have been established with over 1500 computers. The entire Campus has been networked with 28 kms long OFC cabling and the entire 780 acres made Wi-Fi enabled.

Maintaining a Teacher Student Ratio of 1:12 and constantly encouraging teachers to go for higher training, attend national and international conferences.

### 6.3.4 Research and Development

**Resource Mobilization**

- The University received Rs.11566.50 lakh under Non-Plan, Rs 3339.00 lakh under Plan, Rs 2749.93 lakh under Earmarked Special Fund and Rs 2695.45 lakh under Debt. Deposit & Advance.

**Research Projects**

- 38 sponsored research projects additionally sanctioned for the University Schools and Departments, mobilizing sanctioned grant of around Rs.21.58 crores, as extramural funding from various outside agencies, out which 7.08 crores was released for the financial year 2016-17.

**Research Activities**

Projects sanctioned during the year

| AGENCY | NO. OF PROJECTS | TOTAL AMOUNT SANCTIONED(Rs.) |
|---|---|---|
| DST | 17 | 76861495 |
| ISRO | 02 | 3706200 |
| DBT | 03 | 14232113 |
| UGC | 06 | 4744755 |
| MoES | 01 | 4169299 |
| Others | 06 | 6854604 |
| SAP | 02 | 20750000 |
| DST-PURSE-II | 01 | 84500000 |
| **TOTAL** | **38** | **21,58,18,466** |

• Ongoing Research Projects as on 31.03.2017: 38

**Research Facilities**

- Free analytical facility to all research students in the Central Instrumentation Facility.

- More analytical facilities were created in the Departments/Centres during the period.

**Publications**

- The Faculty published/edited 48 books, 949 research papers in reputed national and international journals during the year.

- The total number of publications, being 4177, with citation index of 8.26 and h-index of 65 for the last 21 years of publications by our Faculty, is well above many of the renowned Universities in the country.

- Under the auspices of properly registered societies, journals such as International Journal of Economics and Management Sciences, Visva Bharathi and Yatra publish quality research articles regularly. The University also brings out regularly a Students Journal entitled, *"Prerana"*, University Newsletter.

**Doctoral Programmes**

- 212 Research Scholars registered for Ph.D. programmes in 2016-17 in addition to 436 are already on the rolls.

**6.3.5 Library, ICT and Physical Infrastructure / Instrumentation**

**(a) Library**

- The collection in the Ananda Ranga Pillai Central Library is not only vast but varied so as to cover all fields of knowledge required. The traditional information resources

are being gradually supplemented by the electronic resources, in keeping with the progressive pedagogical changes.

- The Library's commendable collection includes 4,67,143 books (including Print: 2,17,467 and Electronic: 2,49,676), a digital library of e-books, e-journals, e-databases, e-theses, etc., which are all accessible through the library portal. There are 37,587 Journals (Print: 13,352, & Electronic 24,235). The total number of e-resource usage during the year was 11,02,240.

- The Pondicherry University Central Library is one among the few pioneering libraries of its kind to make special electronic provisions for reading equipment for the visually challenged.

- Library Orientation Programme for newly joined students on 28.07.2016

- Workshop on EBSCO ebook Academic Collection, EBSCO Databases and EBSCO Discovery Services on 26.9.2016

- Workshop on National Digital Library (NDL) on 16.12.2016 – interactive session by Prof. Partha Pratim Das, Joint Principal Investigator of NDL Project of MHRD.

- The Eco Army and Eco Club jointly organized film screening on World Water Day (22.03.2017)

- Inauguration of Louis Braille Centre at Library Annexe on 30.03.2017 by the Hon'ble Chief Minister of Puducherry, Shri. V. Narayanasamy and presided by Shri MOHF Shahjahan, Hon'ble Minister for Revenue, Govt. of Puducherry.

**(b) ICT & Physical Infra-Structure / Instrumentation**
**ICT – Facilities Extended During 2016-17**

- Bilingual University web portal caters to the dissemination of information of the various programmes, functions and announcements (circulars, notices, etc.,) for all stake holders.

- E-learning process established in the DDE.

- Online Video Conference / Seminar with the Affiliating Institutions and off-Campus / Ministry initiated.

- Computer Centre promotes Free and Open Source Software (FOSS) to all servers in the campus to run - Web, Mail, LDAP, and MODLE etc.

- University renewed the Microsoft Campus Agreement for the year 2017

- The Computer Centre assisted following software development (In-House and Outsourced) for various sections and departments of the University:

- To promote development of teaching, research and other related functions of the University through Information & Communication Technology (ICT).

- To organize and conduct Workshops/ Short term courses on ICT for the students and staff of the University.

- To assist various Departments/Centres/Offices/Sections in the University in computerizing their activities.

- To establish, coordinate, maintain and administer campus wide Network including Internet and allied services.

- To network with Computer Centres of other Universities for exchange of expertise and software.

- To develop human resources in the field of Information and Communication Technology by imparting Training.

- To keep track of the latest developments in Computer Hardware/Software technologies internet technologies and collect information, acquire and impart knowledge to the University staff.

**Physical Infrastructure**

Power back-up and installations as follows:

- Round the clock electrical maintenance services has been offered with 100% power back-up supply to essential loads including students' hostels through 31 Gensets having a total capacity of 7085 KVA.

- High-Mast Lights in four locations

- 45.5 KW Roof Top Solar Panels

- 164 Solar Street Lightings

- 30 passenger lifts

- 300 street lights.

- 100% underground cable for High Tension line to ensure

a. Lease power interruption and (b) more room for greenery space in the campus.

### 6.3.6 Human Resource Management

#### Via Computer Centre

- The Centre offers one year Apprenticeship Training Programme (PASAA) to the COPA trade passed out students, in collaboration with Ministry of Labour, Govt. of India since 2006.

- The Centre completed 10 batches of trainees successfully. Regular theory and field training classes are conducted by the Computer Centre to these trainees. All India Trade Test as per the direction of the Regional Directorate of Apprenticeship Training (RDAT), Chennai under Ministry of Labour, Govt. of India is conducted here.

- Operations and maintenance on the campus of 1 Gbps connectivity to the National Knowledge Network (NKN) of the Government of India to connect all Universities and colleges in the country.

- Access to online journals made available on this NKN platform.

- L.L.M Course offered by School of Law through on-line mode using A-VIEW conducted through online/NKN.

#### Via Training Cell

- The Training Cell deputed Pondicherry University Women's faculty to attend various workshops / Training on Women in Higher Education in Academic and other Administrative Streams.

- The Training Cell organized Training Programmes to the Non-Teaching Staff of Pondicherry University on Spoken English for Group-D, Junior Assistant, All Contract Employees (Data Entry Operators, Care Takers, Sr. Lab Assistants, Jr. Lab Assistants, Technical Assistant, Junior Engineers, Sound Recorders, Translator Cum Announcers, Shooting Assistants, Cameraman, Staff Nurse, Nursing Attendant, Pre-primary Teacher and Graduate Trainees) and Drivers of the University.

### 6.3.7 Faculty and Staff recruitment

Current Strength of Faculty as on 31.03.2017 is 357 (Male 254 and Female 103) Staff Strength as on 31.03.2017 is 915 (PU Regular staff 556, Consolidated / Contract / Daily Wages and Others [Outsourcing] 359).

### 6.3.8 Industry Interaction / Collaboration

- GLOBIZZ, is an annual Industry-Institute Meet of the IB; GLOBIZZ provides a platform for the students to organize this mega-event and interact with experts from the corporate & other societal arena by sharing their expertise and experience with our students and faculty, which in turn would help them gain new insights with the global perspective of International Business.

- The first-year students Department of Tourism Studies of batch 2016-18 participated in the four programmes organised by DTS, viz, One-day Puducherry sightseeing tour on 07-09-16; visit to ITC Grand Chola on 17-09-16; Single-day Mahabalipuram tour on 20-09-16; and NGO visit to the organisation on Cuddalore road named Voluntariat.

- University industry linkage cell has been created to evolve strategy for collaborative research with all the research departments in the University.

- MOU signed for collaborative research project between Applied Materials Inc. Bangalore and Pondicherry University in proposed field of Solid State Lithium Batteries.

- Student from Department of Banking Technology is selected for student Exchange Programme under MOU between Pondicherry University and Jean Moulin University, Lyon-3, France during the period 3$^{rd}$ January to May, 2017.

- The Centre for Bioinformatics has signed an MoU with Institute of Bioinformatics (IoB), Bangalore and University of Sienna, Italy for collaborative research and Ph.D. guidance. Under MoU the Ph.D. students of the center can visit these labs for collaborative research.

- Executives and Senior Managers persons of established industries have been made members in the School Boards of the University to synergize with the industries at large. The School of Management provides opportunities to its students to interact with the executives of industries. Other Schools /departments are also planning similar measures to enhance the job opportunities of their students.

- Industry – oriented skill – development certificate course through accredited colleges of the Pondicherry University.

- The possibility of establishing a Bio-Park as a collaborative venture between the Government of Puducherry (E.D. Cell) and Pondicherry University.

### 6.3.9 Admission of Students

- Online Registration and downloading of Entrance Examination Hall Ticket, conduct of exams and declaration of results.

- On-Line Admissions, reservation rules implemented as per guidelines

- Entrance-examination based transparent, competitive student enrolment process via Online Entrance Examination for all courses.

### 6.4 Welfare schemes for

Computer with internet facility, Wi-Fi, Sanskrit software, OHP, LCD and Audio system, School Library, Research Club, 24 hours Power Supply, Manuscript Preservation Centre, Canteen and Hygienic Toilets and Free Bus Services.

(a). Teaching  and (b). Non-teaching

- Medical examination of the University employees at the time of appointment

- Woman's Cell and SC/ST Cell as safe-guard

(c). Students

- Round the clock medical facilities to students at the University Health Centre

- Bus facility within the campus for every half-an-hour during working days, from Hostels to Departments, Library, Computer Centre, etc.

- vans also plying in the campus free of cost throughout the day covering all hostels

- Free Electric wheel Chair is provided for physically-challenged students at the mess.

- Wi-Fi connectivity is also provided to all hostels to enable internet access to students

- SC/ST students and Girl students exempted from the payment of room rent for the hostels

- All the Differently-abled students from the payment of room rent and mess fee for the hostels

**Fellowships / Scholarships offered by University**

**Ph.D. Fellowship**

- All the full time scholars admitted to Ph.D. programmes of the University, will be eligible for a fellowship of Rs. 8000/- p.m. and a contingencies grant per year. Candidates joining the integrated Ph.D. program shall get a monthly stipend of Rs.1000/- for four semesters (20 months) and Rs. 8000/- per month for the next three years extendable by one year along with a contingency grant. (These scholarships shall not apply to students in the affiliated colleges). The scholarship money is to be reimbursed by the student if he/she exits the course before completion.

**Scholarship for PG courses/M.Sc and M.A Integrated courses:**

**Merit Scholarship**

- The first three candidate who secures the highest percentage of marks in P.G. admission entrance examination shall be eligible for the award of Merit Scholarship @ Rs.2,000, Rs.1,500 & Rs.1,000 p.m. respectively for the first semester.

- For the subsequent semesters the Merit scholarship at the same rate of Rs.2,000, Rs.1,500 & Rs.1,000 p.m shall be awarded to the first three candidates who secured highest marks in the previous semester.

**Merit-cum-Means Scholarship (MCM)**

- 20% of the students in each P.G. Degree programme are eligible for the award of MCM Scholarship of the University. The scholarship is based both on the merit in each semester and the parental income of the student. The annual income of the parents should not exceed Rs.2,50,000/- (Rupees two lakh fifty thousand only). Amount of scholarship is Rs.750/- p.m.

- Besides, for the award of scholarship the candidates should also fulfill the following conditions: (i) should secure at least 70% of the attendance every month. (ii) Should pass in all papers registered for each semester. (iii) the Head of the Department concerned shall certify fulfilment of conditions i to ii.

**Freeships**

- The first six students who join the P.G. programme in Hindi and Sanskrit are eligible for the award of freeship. The freeship would cover tuition fee for the course period.

**Scholarships for M.Sc. Marine Biology & Disaster Management**

- All selected candidates are awarded a scholarship of Rs.1000/- p.m. to study these courses at Port Blair, Andaman's.

**Scholarships for M.Tech. Computational Biology**

- All selected candidates are awarded a scholarship of Rs. 8000/- p.m.

**Fellowships / Scholarships / Offered By Other Agencies:**

**Junior Research Fellowship:**

- UGC / CSIR NET qualified JRFs are eligible to receive fellowships @ Rs. 25,000/- p.m. for two years. This may be enhanced to Rs.28,000/- p.m on completion of two years and subject to fulfilling certain conditions laid down by the UGC /CSIR. They are also eligible for a contingent grant of Rs.20,000/- per year. The award of fellowship and contingency grants are subject to approval by the UGC / CSIR.

**N.B.H.M. Scholarship**

- The National Board for Higher Mathematics, Mumbai (Department of Atomic Energy) provides scholarships for those students who clear the NBHM examination.

**Government of India SC/ST Scholarship**

- The Governments of Tamil Nadu, Kerala, Andhra, Telangana, Karnataka, Maharashtra, Union Territory of Puducherry provide Government of India Scholarship to the candidates belonging to the SC/ST communities.

**Rajiv Gandhi National Fellowship / Maulana Azad National Fellowship**

- The UGC provides Rajiv Gandhi National Fellowship for the SC/ ST & OBC scholars and Maulana Azad National fellowship for minority scholars who pursue Ph.D. programmes. Every year, the UGC notifies the eligibility and other conditions for the award of the said fellowships.

**Government of Puducherry fellowship / Scholarship Merit and Merit-cum-Means Scholarship**

- The Government of Puducherry awards Merit and Merit-cum-means scholarships for the students belonging to the U.T. of Puducherry enrolled in various courses of the University. The Government of Puducherry provides two fellowships to the residents/

natives of Puducherry @ Rs.2,000/- per month to two students admitted in the M.Sc. Biotechnology programme in the Department of Biotechnology.

**Government of India- DBT Special Fund:**

- The Government of India provides fellowship @ Rs. 3,000/- p.m to twelve students admitted in the M.Sc Biotechnology programme

**Madanjeet Singh Group Scholarship**

- Full scholarships for 8 students per annum from the member states of SAARC Countries to pursue M.Tech in Green Energy Technology and M.A(South Asian Studies) covering living expenses, boarding and lodging and tuition fees.

- Indian student of SAF will be selected among the meritorious candidates from M.Tech (Green Energy Technology) and M.A (South Asian Studies) entrance test conducted all over India.

**Ministry of New and Renewable Energy (MNRE)**

- Ministry of New and Renewable Energy (MNRE) identities CGET (Centre for Green Energy Technology) as nodal centre and awards "15" fellowships of MNRE-NREF by following the merit as well as reservation basis.

**Post Graduate Indira Gandhi Scholarship for Single Girl Child**

- An amount of Rs.3,100/- p.m. as fellowship for a period of two years only (10 months in the year) i.e. for a full duration of a PG course shall be awarded. No other additional grant will be payable in lieu of hostel charges and medical charges etc.

**6.5 Total Corpus Fund Generated**

- During the period, the University received from the UGC Rs.11,566.50 lakhs under Non-Plan, Rs.3,339.00 lakh under Plan, Rs.2,749.93 lakh under Earmarked Special Fund and Rs.2,695.45 lakh under Debts, Deposits & Advances.

**6.6    Whether annual financial audit has been done**    | ✓ |    **Yes**

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

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

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

- Yes, before closure of semester for which the examinations were conducted

       For UG Programmes   Yes   ☑

       For PG Programmes   Yes   ☑

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

- Return of examination scripts to students
- Transparency in evaluation as per norms

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

The University encourage colleges to become autonomous Two of the affiliated institution like P.G. Centre.

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

Alumni Meet will be organised by the School of Management in the month of December, every year. The alumni placed in the industry who moved out from the first six batches, are a strong network for placing the existing students in projects and permanent careers.

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

Meets periodically in various departments and Schools of Pondicherry University

**6.13 Development programmes for support staff**

Day Care Centre and Pre – Primary School, Health Centre run 24 X 7 basis and Co-operative Society.

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

- The transplanted, 20 years old cyclone uprooted trees at Silver Jubilee Campus location were properly nurtured and are growing very well.

- Campus cleaning around Student hostels (Men & Women) was undertaken and completed to maintain the Campus clean & neat.

- Auctioning the seasonal usufructs of fruit trees existing in the University Campus for the year, 2017 was arranged through on line process and completed successfully.

- The planted tree saplings on either side of the driveway leading to Silver Jubilee Campus, behind new University buildings, Compound wall tree plantation, and on the outer and inner ring road of Silver Jubilee Campus have all been maintained well by providing suitable cultural practices.

- Site clearance work, display of potted plants and event related works like floral decorations were carried out for various University functions like Building inauguration, International / National Seminars/Conferences, etc., held in the University Campus.

- Site clearance work for constructing HR TEM laboratory for Physics department, was attended to enable new building construction work by the CPWD Engineers.

# 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.**

The University adapted to a multi-strategy model to improve the overall teaching:

- Provide good infrastructure like space, pleasant furnishing, good laboratories, in modern library, decentralization of powers to Deans and HODs, simplified purchase procedures and a host of the reforms have improved the visibility of the University globally.

- An excellent ambiance on the campus, good amenities, liberal granting policies and providing greater academic freedom.

- More modern classrooms with digital projectors / interactive boards and Wi-Fi campus.

- The University encourages and supports the innovative ideas put forth by the faculty to improve teaching methods.

- Use of computer in the classrooms for power point presentations, display of texts graphs etc.

- Assignments and correcting problems through computer and internet and sending hand outs.

**The above measures have reflected in the following.**

- Increase in demand for admission by the PG and Research Programmes of the University, which has increased fivefold.

- More and more Faculty with extensive international exposure have opted to join Pondicherry University, particularly during the recent recruitment drive.

- Improved results / score and minimal student's complaints, total absence of student's unrest.

- Superior teaching faculties, infrastructure and laboratory faculties have resulted in exponential growth of projects and research output.

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

  ➢ Academic calender was completed fully

  ➢ Improvement in Students performance

  ➢ Improved Research Performance

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

  • Library Resources made accessible upto 12 mid night during exams

  • Student evaluate of teachers and communciation of Score to faculty

**7.4** **Contribution to environmental awarness / protection**

  • The transplanted, 20 years old cyclone uprooted trees at Silver Jubilee Campus location were properly nurtured and are growing very well.

  • Campus cleaning around Student hostels (Men & Women) was undertaken and completed to maintain the Campus clean & neat.

  • The planted tree saplings on either side of the driveway leading to Silver Jubilee Campus, behind new University buildings, Compound wall tree plantation, and on the outer and inner ring road of Silver Jubilee Campus have all been maintained well by providing suitable cultural practices.

  • Site clearance work, display of potted plants and event related works like floral decorations were carried out for various University functions like Building inauguration, International / National Seminars/Conferences, etc., held in the University Campus.

**7.5** **Whether environmental audit was conducted?** : **No**

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

  Pondicherry University strives to achieve academic excellence in providing quality education and become a world – class institution. Under these contexts, the following SWOT analysis is made.

**STRENGTHS**

- The cultural heritage of Puducherry, its historic and contemporary importance, attracts faculty and students from all over the country.

- Presence of large number of interdisciplinary programs with high employment potential. Periodic revision of curricula and syllabi of each program to keep pace with societal and educational needs.

- Motivated students drawn from all sections of society; optimal strength of research scholars

- Excellent student academic progression, good placement of students from applied subjects; alumni linkages for placements.

- Pondicherry University Student Academic Management System (PUSAMS) for student centric activities.

- Almost all the faculty are Ph.D. degree holders and recognized guides; High H-index (16.79) and high citation index; good number of faculty with national and international awards; low attrition of faculty.

- Almost all science faculty awarded research projects; UGC SAP, DST FIST and DST PURSE award for almost all departments and University.

- MoUs with institutions of National importance and universities abroad are active with regular exchange of students and faculty

- All departmental buildings are equipped with continuous electricity backup, which facilitates uninterrupted teaching-learning activities.

- World class and fully automated library; excellent Central Instrument Facility (CIF).

- The laboratories of different departments are modernized with scientific equipment for advanced research and teaching.

- Clean, green and vast campus with good ambiance conducive for academic pursuits.

**WEAKNESSES**

- Adherence to societal needs for increased intake and concomitant lowering of funding placed higher constraints on development of infrastructural facilities like hostels, class-rooms, laboratories, space for research scholars etc.

- Fund constraints for subscription of new journals and renewal of existing ones for meeting the increasing requirement of scholars.

- Fund constraints in augmenting computational facilities and periodic replacement of obsolete terminals.
- Need of development of a policy to encourage consultancy.
- Fund constraints to meet the publication charges of open source journals.
- Need for reinforcement or reconstruction of old buildings.
- Difficulties in meeting palatal needs of students from different states of India.

## OPPORTUNITIES

- Highly motivated student coupled with high quality education and intensive practical training provides further opportunities for diversification and growth of PU.
- Opportunity to link different departments for interdisciplinary teaching and research activities so that selected focal themes of Global, National or local relevance can be taken up; establishment of a centre for interdisciplinary research.
- Opportunity to tap expertise of Ph.D. scholars and post-doctoral scholars in teaching activities.
- Offering of incentives to faculty / scholars for inventions, innovations, filing of patents and publication in high impact journals.
- Re-employment of recently retired professors to augment teaching and research through establishment of Human Intelligence Acquisition Cell possibly through UGC funding.
- Utilization of expertise available in different departments for starting of more M. Tech. programs.

## CHALLENGES

- Generation of funds through out-of-the-box thinking.
- Attracting world-class faculty to meet the requirements of growing student intake.
- Development of infrastructural facilities from industry Corporate Social Responsibility (CSR) and alumni funding.
- To develop decentralized and transparent governance system for increased synergy between faculty, students, scholars and administrative staff.
- To meet the expectation of newly recruited faculty and strengthen critical factors like revenue generation from consultancy, industry-institution interaction, research visibility, etc.

- Further sterngthen teaching through higher levels of experiential learning.

8.    Preparation of perspective plan to take into account of dynamic changes in employability conditions.

- Pondicherry University is gearing up for $4^{th}$ Cycle of Accreditation by the NAAC.
- Revision of CBCS regulations and Ph.D regulations.
- Create online Academic Management System, all P.G. Programs to improve quality and timlines of implimentation of all academic activities, including, teaching, condut of internal assessment, end semester exams. The students will know about their attendance and academic performance through the proposed online facility.
- To become Institute of Eminance in conducting state of the art in reseach and teaching.

**Prof. S. BALAKRISHNAN**
Signature of the Coordinator, IQAC

**Prof. GURMEET SINGH**
Signature of the Chairman, IQAC

**Approved by Internal Quality Assurance Cell Committee and placed before Academic Council and Executive Council**

## 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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