

**The Annual Quality Assurance Report (AQAR) of the IQAC**  
*(July 1, 2017 to June 30, 2018)*

**Part – A**

**AQAR for the year**

**2017-2018**

**1. Details of the Institution**

1.1 Name of the Institution

**Andhra University**

1.2 Address Line 1

:

**Waltair**

City/Town

:

**Visakhapatnam**

State

:

**Andhra Pradesh**

Pin Code

:

**530003**

Institution e-mail address

:

**auregistrarvsp@gmail.com**

Contact Nos.

:

**0891-2844567**

Name of the Head of the Institution

:

**Prof. G. Nageswara Rao**

Tel. No. with STD Code

:

**0891-2844222**

Mobile

:

**9849701527**

Name of the IQAC Coordinator : **Prof. D. Lalitha Bhaskari**

Mobile : 9885438922

IQAC e-mail address : auiqac2005@gmail.com

1.3 NAAC Track ID : APUNGN10055

OR

1.4 NAAC Executive Committee No. & Date: EC(SC)/12/A&A/2.3 dated. 19/02/2016

1.5 Website address : www.andhrauniversity.edu.in

Web-link of the AQAR <http://andhrauniversity.edu.in/webnew/iqac.php>

1.6 Accreditation Details

| Sl.No. | Cycle                 | Grade | CGPA | Year of Accreditation | Validity Period |
|--------|-----------------------|-------|------|-----------------------|-----------------|
| 1      | 1 <sup>st</sup> Cycle | A     |      | 2002                  | 2008            |
| 2      | 2 <sup>nd</sup> Cycle | A     | 3.65 | 2008                  | 2014            |
| 3      | 3 <sup>rd</sup> Cycle | A     | 3.60 | 2016                  | 2023            |

1.7 Date of Establishment of IQAC : DD/MM/YYYY 11-07-2005

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

- i. AQAR 2008-09 submitted to NAAC 29-03-2014
- ii. AQAR 2009-10 submitted to NAAC 29-03-2014
- iii. AQAR 2010-11 submitted to NAAC 10-05-2014
- iv. AQAR 2011-12 submitted to NAAC 10-05-2014
- v. AQAR 2012-13 submitted to NAAC 29-05-2014
- vi. AQAR 2013-14 submitted to NAAC 13-05-2015
- vii. AQAR 2016-17 submitted to NAAC 26/02/2018
- viii. AQAR 2017-18 submitted to NAAC 14-12-2018

1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI) Yes  No

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC2(f)  UGC 12B

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

1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

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

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

|                                  |                                     |           |                                     |
|----------------------------------|-------------------------------------|-----------|-------------------------------------|
| DST Star Scheme                  | <input type="checkbox"/>            | UGC-CE    | <input type="checkbox"/>            |
|                                  | <b>DST PURSE</b>                    |           |                                     |
| UGC-Special Assistance Programme | <input checked="" type="checkbox"/> | DST-FIST  | <input checked="" type="checkbox"/> |
| UGC-Innovative PG programmes     | <input type="checkbox"/>            | Any other | <input type="checkbox"/>            |
| (Specify) UGC-COP Programmes     | <input type="checkbox"/>            |           | TEQIP PHASE-III                     |

## **2. IOAC Composition and Activities**

|      |  |                          |                                     |         |                          |
|------|--|--------------------------|-------------------------------------|---------|--------------------------|
| 2.1  | No. of Teachers  | <input type="checkbox"/> | 9                                   |         |                          |
| 2.2  | No. of Administrative/Technical staff                      | <input type="checkbox"/> | 8                                   |         |                          |
| 2.3  | No. of students  | <input type="checkbox"/> | 3                                   |         |                          |
| 2.4  | No. of Management representatives                          | <input type="checkbox"/> | 1                                   |         |                          |
| 2.5  | No. of Alumni  | <input type="checkbox"/> | 1                                   |         |                          |
| 2.6  | No. of any other stakeholder and community representatives | <input type="checkbox"/> | 1                                   |         |                          |
| 2.7  | No. of Employers/ Industrialists                           | <input type="checkbox"/> | 2                                   |         |                          |
| 2.8  | No. of other External Experts                              | <input type="checkbox"/> | 2                                   |         |                          |
| 2.9  | Total No. of members                                       | <input type="checkbox"/> | 27                                  |         |                          |
| 2.10 | No. of IQAC meetings held                                  | <input type="checkbox"/> | 4                                   |         |                          |
| 2.11 | No. of meetings with various stakeholders:                 | No                       | <input type="checkbox"/>            | Faculty | <input type="checkbox"/> |
|      |  |                          | 2                                   |         | 2                        |
|      | Non-Teaching Staff & Students                              | <input type="checkbox"/> | 2                                   | Alumni  | <input type="checkbox"/> |
|      |  |                          | 2                                   | Others  | <input type="checkbox"/> |
|      |  |                          |                                     |         | 1                        |
| 2.12 | Has IQAC received any funding from UGC during the year?    | Yes                      | <input checked="" type="checkbox"/> | No      | <input type="checkbox"/> |
|      | If yes, mention the amount                                 | <input type="checkbox"/> | 4.5 Lakhs                           |         |                          |

2.13 Seminars and Conferences (only quality related) : 04

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

Total Nos.  International  National  State  Institution Level

(ii) Themes

1. Internal Audit & Standardization of Records in Universities
2. Improving the Accreditation rating through Teacher performance
3. Quality education and Sustainable Development of Universities
4. ISO 9001:2015 Certification for University
5. Steps to improve NIRF ranking

2.14 Significant Activities and contributions made by IQAC

The IQAC of Andhra University has chalked out the plan of action for the year 2017-18. The following are the proposed activities considered for implementation.

1. To conduct training programmes for all the internal auditors of AU wrt ISO 9001:2015 standard.
2. To conduct awareness campaign towards quality education in the University departments wrt the new ISO 9001:2015 standard
3. To conduct ISO Audit of the departments, research centers with respect to the ISO 9001:2015 standard of the University.
4. To recognize meritorious contributions of faculty by means of Sarvepalli Radha Krishna awards and best researcher awards.
5. To provide infrastructural facilities for modern methods of teaching and research.
6. To help the departments in developing soft skills for the students by organizing training programs.
7. To inculcate research initiatives among students by organizing guest lectures by eminent personalities.
8. Participate in NIRF, THE world ranking, INDIA TODAY, QS Bricks, QS Asia & QS I-GAUGE Times Higher Education rankings and steps towards achieving a better rank.

The University has adopted the following processes for internal quality checks:

- Evaluation of teachers by students at the end of every semester.
- Self appraisal reports submitted by teachers every year.
- Collecting feedback from all stake holders of the university namely, parents, alumni, retired teachers and employees.

- Organization of workshops at regular intervals on Quality Assurance and Management to sensitize the faculty.
- External Audit & Standardization of Records as per ISO 9001:2015 by TUV SUD for the University was conducted during 23<sup>rd</sup> to 30<sup>th</sup> July

## 2.15 Plan of Action by IQAC/Outcome

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

| Plan of Action  | Achievements  |
|---|---|
| To conduct 2 internal audits and one surveillance audit by external agency  | 1 internal auditor were conducted by 20 trained internal auditors and submitted the audit reports. The consolidated audit reports for two audits were placed before management review meetings and corrective actions were taken. One surveillance audit by TUV- South ASIA is conducted. The ISO 9001:2015recertification was done and AU is presently ISO 9001:2015 certified.  |
| To collect feedback from students on 10 quality parameters related to curriculum, teaching, learning and evaluation processes.  | The feedback from students in each department after completion of even and odd semester examination is collected and analyzed. The consolidated reports were sent to the departments for perusal of the teachers.   |
| To collect the feedback from parents, retired employees and alumni.   | The feedback from parents, retired employees and alumni in each department was collected on sample basis and analyzed. The consolidated reports were placed before management for effective implementation of the suggestions received from them.   |
| To encourage meritorious faculty, employees and students through distribution of awards, prizes and certificates by University. | Prof. Sarvepalli Radhakrishnan Best Academician Award was given to 3 Faculty members. 3 faculty members were nominated for best teacher award given by the state government and all of them received State Best Teachers Award for 2017-2018. The University has given best employees awards to the non-teaching staff during Republic day. The meritorious students were given gold medals, prizes and cash awards during the convocation. |
| To conduct quality awareness campaigns in the affiliated colleges   | The University with the help of its College Development Cell(CDC) has conducted periodic meeting with affiliated college managements, Principals & faculty and advised to formulate an internal quality cell at College with a nodal officer for effective functioning.   |
| To continue the best quality initiatives  | The University has b e e n continuously striving for the achievement of the existing quality initiatives effectively through implementation of various quality measures through the support of Academic and Admin committees.   |

2.16 Whether the AQAR was placed in statutory body      Yes       No

Management       Syndicate       Any other body

Provide the details of the action taken

The AQAR was placed in AU standing council meeting along with the Annual report and it was approved.

**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 |
|------------------------|-------------------------------|--|-------------------------------------|--|
| Ph.D                   | 57                            | -  | -                                   | -  |
| PG                     | 119                           | 3  | 12                                  | -  |
| UG                     | 24                            | 2  | 05                                  | -  |
| PG Diploma             | 08                            | 3  | -                                   | -  |
| Diploma                | 02                            | -  | -                                   | -  |
| Certificate            | 05                            | 2  | -                                   | 5  |
| Dual degree            | 16                            | -  | 06                                  | -  |
| Twinning               | 04                            | -  | 03                                  | -  |
| <b>Total</b>           | 233                           | 10   | 26                                  | 05   |
| Interdisciplinary      | 16                            | -  | -                                   | -  |
| Innovative             | -                             | -  | -                                   | -  |

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

(ii) Pattern of programmes:

| Pattern   | Number of programmes |
|-----------|----------------------|
| Semester  | <b>All Programs</b>  |
| Trimester | --                   |
| Annual    | --                   |

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

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



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

All the departments of the university have conducted their annual BOS meetings during June and July, 2017 to discuss about the various issues related to academics. No new syllabi or subjects are introduced .

Proposed to start M.Tech Data Analytics & Cyber Security Course i.e. from the year 2018-19

1.5 Any new Department/Centre introduced during the year. If yes, give details. : No

1. A research centre for Data Analytics & Cyber Security centre funded by GoI under ISEA is operational from 2017.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty (338 Permanent Fac, 283 Others)

| Total | Asst. Professors | Associate Professors | Professors | Others<br>(contract/guest<br>) |
|-------|------------------|----------------------|------------|--------------------------------|
| 621   | 78               | 25                   | 235        | 283                            |

2.2 No. of permanent faculty with Ph.D. : 320

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year: R- 0, V- 582

2.4 No. of Guest and Visiting faculty and Temporary faculty : 283

2.5 Faculty participation in conferences and symposia:

Andhra University is encouraging its faculty members to attend the seminars, conferences, and workshops of National and international level. The details of the Seminars/Conferences/Workshops/ Training Programs attended by the faculty of Andhra University campus colleges during the academic year are as follows-

| Name of the College                     | Number of faculty |               |                                     |
|---|-------------------|---------------|-------------------------------------|
|   | National          | International | Chaired the Session/Invited speaker |
| A.U. College of Arts & Commerce         | 38                | 10            | 54                                  |
| A.U. College of Science & Technology    | 136               | 25            | 43                                  |
| A.U. College of Engineering (A)         | 45                | 32            | 19                                  |
| A.U. College of Engineering for Women   | 06                | --            | 02                                  |
| Dr. B.R. Ambedkar College of Law        | 35                | --            | 05                                  |
| A.U. College of Pharmaceutical Sciences | 12                | 02            | 10                                  |
| <b>Total</b>                            | <b>272</b>        | <b>69</b>     | <b>133</b>                          |

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

The Andhra University carries high reputation for its practices in teaching and learning process and in evaluation system. The following are the key factors contributing to the effectiveness of teaching-learning and evaluation.

1. Attracting meritorious students
2. Well qualified and highly experienced teaching faculty
3. Differential approaches to support slow learners and advanced learners
4. Effective implementation of academic schedule and teaching plans
5. Focus on experiential learning and participative learning
6. Involving experts from industry and other research and academic institutions
7. Use of ICT in teaching and learning
8. Prevalence of student centric learning environment
9. Mentor and Mentee relationship
10. Continuous evaluation process and transparency in evaluation methods
11. Computerization of evaluation process
12. Grievance redressal mechanism for evaluation process
13. Evaluation by three examiners – one from within the state, one from outside the state and one from foreign country for Ph.D. theses evaluation
14. Focus on teacher development programs
15. Student participation in organizing academic programs
16. Student seminars, student events and contests, student participation in national level seminars and conferences and competitions to promote creative thinking and desired competencies.

**2.7 Total No. of actual teaching days during this academic year : 215**

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

Andhra University has adopted several examination reforms time to time to maintain quality of teaching and learning process. The following are the best procedures adopted by Andhra University for Examination and Evaluation system:

1. Conduct of two mid term examinations and one semester end examination.
2. The two mid term examinations are conducted by the concerned department and paper set by the internal teacher. The evaluation is done by the class teacher.
3. In some departments the second mid term examination is done online.

4. For online examination, the question bank for paper is prepared by the concerned department with not less than 100 questions and used for paper setting.
5. The second mid examination results are published immediately after the examination.
6. The semester end examinations are conducted by Controller of examinations of the University. The University has introduced choice based credit system and adopted grading system for all courses.
7. The double valuation system is adopted for all PG Courses.
8. Supply of Photocopy of the Script and provision for revaluation are in practice.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop : 324

2.10 Average percentage of attendance of students : 95%

2.11 Course/Programme wise distribution of pass percentage :

| Name of the Course  | Pass Percentage |        |       |
|---|-----------------|--------|-------|
|   | Male            | Female | Total |
| B.E. (Civil Engg.)  | 86              | 88     | 87    |
| B.E. (Civil Environmental Engg.)                              | 83              | 85     | 84    |
| B.E. (EEE)  | 85              | 87     | 86    |
| B.Tech (CS&SE)  | 86              | 88     | 87    |
| B.E. (Mechanical Engg.)                                       | 83              | 88     | 87    |
| B.E. (Electronics & Communication Engg.)                      | 85              | 87     | 86    |
| B.Tech (Instrumentation Engg.)                                | 84              | 85     | 84    |
| B.Architecture  | 85              | 83     | 84    |
| B.Tech (Geo-Informatics)                                      | 85              | 87     | 86    |
| B.Tech (Chemical Engg.)                                       | 84              | 85     | 84    |
| B.Tech (Chemical Engg. with Petro chemical Engg. as Elective) | 83              | 85     | 84    |
| B.Tech (Chemical Engg. with Ceramic Technology as Elective)   | 85              | 87     | 86    |
| B.Tech (Bio-Technology)                                       | 83              | 88     | 87    |
| B.E. (Naval Arch. & Marine Engg.)                             | 85              | 83     | 84    |
| B.E. (Mechanical Engineering)                                 | 86              | 85     | 85    |
| B.Pharm   | 84              | 85     | 84    |
| L.L.B. (3yr)  | 85              | 83     | 84    |
| L.L.B. (5yr)  | 84              | 88     | 87    |
| B.Ed  | 86              | 88     | 87    |
| B.F.A   | 85              | 87     | 86    |

|   |    |    |    |
|---|----|----|----|
| M.E. (Structural Engineering)   | 84 | 83 | 85 |
| M.E. (Environmental Engg. and Management)                               | 92 | 93 | 94 |
| M.E. (Hydraulics, Coastal and Harbour Engg.)                            | 93 | 94 | 95 |
| M.E. (Soil Mechanics & Foundation Engg.)                                | 83 | 88 | 87 |
| M.E. (Structural Engg. & Natural Disaster Mgt.)                         | 91 | 92 | 92 |
| M.E. (Construction Technology and Project Mgt.)                         | 89 | 91 | 90 |
| M.E. (Power Systems & Automation)                                       | 88 | 89 | 89 |
| M.E. (Control Systems)  | 91 | 92 | 92 |
| M.E. (Power Electronics Drives and Control)                             | 89 | 91 | 90 |
| M.Tech. (Computer Science & Technology)                                 | 91 | 90 | 90 |
| M.Tech. (Information Technology)  | 93 | 96 | 97 |
| M.Tech. (CST with specialization in Artificial Intelligence & Robotics) | 83 | 88 | 87 |
| M.Tech. (CST with specialization in Computer Networks)                  | 91 | 92 | 92 |
| M.Tech. (CST with specialization in Bio-Informatics)                    | 89 | 91 | 90 |
| M.Tech. (Remote Sensing)  | 87 | 88 | 88 |
| M.Tech. (Geo-Engineering)   | 89 | 91 | 90 |
| M.Tech. (Chemical Engg.)  | 91 | 92 | 92 |
| M.Tech. (Biotechnology)   | 89 | 91 | 90 |
| M.Tech. (Industrial Pollution Control Engg.)                            | 91 | 92 | 92 |
| M.Tech. (CACE)  | 89 | 91 | 90 |
| M.Tech. (Mineral Process Engg.)   | 88 | 89 | 89 |
| M.Tech. (Marine Engg. and Mechanical Handling)                          | 91 | 92 | 92 |
| M.Tech. (Naval Architecture & Marine Engineering)                       | 89 | 91 | 90 |
| M.E. (Machine Design)   | 90 | 91 | 91 |
| M.E. (Industrial Engineering)   | 83 | 88 | 87 |
| M.E. (CAD/CAM)  | 94 | 95 | 95 |
| M.E. (Heat Transfer in Energy Systems)                                  | 83 | 88 | 87 |
| M.Tech. (Radar & Microwave Engg.)                                       | 91 | 92 | 92 |
| M.Tech. (Electronic Instrumentation)                                    | 86 | 83 | 86 |
| M.Tech. (Instrumentation)   | 93 | 92 | 94 |

|  |    |    |    |
|--|----|----|----|
| Engg.)   |    |    |    |
| M.Tech (Nano Technology)   | 88 | 89 | 89 |
| M.Tech (Industrial Metallurgy)                                   | 86 | 83 | 86 |
| M.Tech. (VLSI)   | 89 | 91 | 90 |
| MCA (Master of Computer Applications)                            | 90 | 91 | 91 |
| M.Sc. (Computer Science)   | 89 | 91 | 90 |
| M.Sc. (Applied Chemistry)  | 87 | 88 | 88 |
| M.Tech. (Software Engineering) Dual Degree Programme             | 89 | 91 | 90 |
| M.Tech. (Signal Processing) Dual Degree Programme                | 91 | 92 | 92 |
| M.Tech. (Tele Communications) Dual Degree Programme              | 89 | 91 | 90 |
| 5 Year Integrated Dual Degree B.Tech + M.Tech in CS&SE           | 88 | 89 | 89 |
| 5 Year Integrated Dual Degree B.Tech + M.Tech in CS & Networking | 91 | 92 | 92 |
| 5 Year Integrated Dual Degree B.E. + M.E. in Civil Engg.         | 89 | 91 | 90 |
| 5 Year Integrated Dual Degree B.E. + M.E. in EEE                 | 90 | 91 | 91 |
| 5 Year Integrated Dual Degree B.E. + M.E. in Mechanical Engg.    | 89 | 91 | 90 |
| 5 Year Integrated Dual Degree B.E. + M.E. in ECE                 | 93 | 92 | 94 |
| M.S. Applied Chemistry   | 88 | 90 | 91 |
| M.S. Electronics   | 91 | 92 | 92 |
| M.S. Geology   | 89 | 91 | 90 |
| M.Com.   | 87 | 88 | 88 |
| M.A. Economics   | 89 | 91 | 90 |
| M.A. Applied Economics   | 91 | 92 | 92 |
| M.A. Adult Education   | 89 | 91 | 90 |
| M.A. English   | 88 | 89 | 89 |
| M.A. Hindi   | 91 | 92 | 92 |
| M.A. History   | 89 | 91 | 90 |
| M.A. Ancient History & Archeology                                | 90 | 91 | 91 |
| M.H.R.M  | 88 | 89 | 89 |
| M.J.M.C  | 89 | 91 | 90 |
| M.L.I.Sc.  | 87 | 88 | 88 |
| M.Ed   | 89 | 91 | 90 |
| M.A Philosophy   | 91 | 92 | 92 |
| M.A. Political Science   | 83 | 88 | 87 |
| M.A. Public Administration                                       | 89 | 91 | 90 |
| M.A. Psychology  | 91 | 92 | 92 |
| M.A. Sanskrit  | 83 | 88 | 87 |

|   |    |    |    |
|---|----|----|----|
| M.A. Social Work                          | 87 | 88 | 88 |
| M.A. Anthropology                         | 89 | 91 | 90 |
| M.Sc. Anthropology                        | 91 | 92 | 92 |
| M.A. Sociology                            | 89 | 91 | 90 |
| M.A. Telugu                               | 88 | 89 | 89 |
| M.A. Linguistics                          | 91 | 92 | 92 |
| M.P.Ed.                                   | 89 | 91 | 90 |
| M.A. Music                                | 90 | 91 | 91 |
| M.A. Dance                                | 89 | 91 | 90 |
| M.Ed. Special Education                   | 83 | 88 | 87 |
| M.B.A.                                    | 89 | 91 | 90 |
| M.B.A. Retail Management                  | 91 | 92 | 92 |
| M.F.A.                                    | 83 | 88 | 87 |
| M.Sc. Biochemistry                        | 89 | 91 | 90 |
| M.Sc. Biotechnology                       | 91 | 92 | 92 |
| M.Sc. Environmental Science               | 91 | 90 | 89 |
| M.Sc. Botany                              | 87 | 88 | 88 |
| M.Sc. Agricultural Biotechnology          | 89 | 91 | 90 |
| M.Sc. Horticulture & Landscape Management | 89 | 91 | 90 |
| M.Sc. Analytical Chemistry                | 89 | 91 | 90 |
| M.Sc. Bio-inorganic Chemistry             | 87 | 88 | 91 |
| M.Sc. Environmental Chemistry             | 94 | 95 | 95 |
| M.Sc. Inorganic Chemistry                 | 89 | 91 | 90 |
| M.Sc. Analysis of Foods, Drugs and Water  | 88 | 89 | 89 |
| M.Sc. Organic Chemistry                   | 91 | 92 | 92 |
| M.Sc. Marine Chemistry                    | 89 | 91 | 90 |
| M.Sc. Physical Chemistry                  | 83 | 88 | 87 |
| M.Sc. Nuclear Chemistry                   | 89 | 91 | 90 |
| M.Sc. Electronics & Instrumentation       | 87 | 88 | 88 |
| M.Sc. Geography                           | 89 | 83 | 89 |
| M.Sc. Geology                             | 91 | 92 | 92 |
| M.Sc. Marine Geology                      | 89 | 91 | 90 |
| M.Sc. Geology ( 5 Yr. Int.)               | 89 | 91 | 90 |
| M.Sc. uHuman Genetics                     | 83 | 88 | 87 |
| M.Sc. Marine Biology and Fisheries        | 89 | 91 | 90 |
| M.Sc. Coastal Aquaculture                 | 91 | 92 | 92 |
| M.Sc. Marine Biotechnology                | 83 | 88 | 87 |
| M.Sc. Applied Mathematics                 | 94 | 95 | 95 |
| M.A./M.Sc. Mathematics                    | 89 | 91 | 90 |
| M.Sc. Microbiology                        | 88 | 89 | 89 |
| M.Sc. Physics                             | 89 | 91 | 90 |
| M.Sc. Space Physics                       | 87 | 88 | 88 |
| M.Sc. Nuclear Physics                     | 89 | 91 | 90 |
| M.Sc. Meteorology                         | 91 | 92 | 92 |
| M.Sc. Physical Oceanography               | 91 | 92 | 92 |

|   |    |    |    |
|---|----|----|----|
| M.Tech. Atmospheric Sci.                  | 87 | 88 | 88 |
| M.Tech. Oceanic Sciences                  | 89 | 91 | 90 |
| M.Sc. (Tech.)Geophysics                   | 83 | 88 | 87 |
| M.Sc. Marine Geophysics                   | 91 | 92 | 92 |
| M.Sc. Hydrology                           | 88 | 89 | 89 |
| M.Sc. Statistics                          | 89 | 91 | 90 |
| M.Sc. Computer Science & Statistics       | 87 | 88 | 88 |
| M.Sc. Zoology                             | 89 | 91 | 90 |
| M.Sc. Fishery Science                     | 91 | 92 | 92 |
| M.Tech Petroleum Exploration & Production | 89 | 91 | 90 |
| M.Pharm                                   | 88 | 89 | 89 |
| Pharma.D                                  | 91 | 92 | 92 |
| M.Sc. Food Nutrition and Dietetics        | 89 | 91 | 90 |
| LLM                                       | 91 | 92 | 92 |
| MAHRD                                     | 88 | 89 | 89 |
| M.Phil                                    | 89 | 91 | 90 |

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

1. The University established IQAC as per the guidelines of the NAAC to ensure sustenance and enhancement of quality in all its activities. The IQAC plays a vital role in the development of strategy and in the formulation of policies and procedures. The IQAC prepares academic calendar regarding teaching and learning processes.
2. The IQAC conducts quality audit once in every six months in all academic and administrative departments. The records and work processes are standardized as per ISO norms. The external audit is done every year by the professional quality auditors. Surveillance audit was conducted on 30<sup>th</sup> and 31<sup>st</sup> August 2018 by external lead auditors from TUV-SUD South Asia and AU is presently ISO 9001:2015 certified.
3. The IQAC formulated a quality management system for teaching and learning in the campus. The process includes the scheduling of orientation courses, bridge course, preparation of time tables with student seminars, preparation and submission of teaching plans, filling of activity diary, conduct of extra circular activities, guideline of student councilor, formation of learning teams. The IQAC also prepared a structured questionnaire for collecting the feedback from students. IQAC also collected self appraisals from faculty and department appraisals periodically. The periodic reports submitted by IQAC to the top management and the review meetings conducted periodically helped the organization significantly to monitor the progress and to initiate measures for quality enhancement.
4. The feedback and the suggestions of all stakeholders are given due importance and placed in Management review meeting for proper approvals. The IQAC coordinates with the various stakeholders, Deans, Principals of constituent colleges of the University to review the progress and performance of various functional divisions and develop plans for the future. The office of IQAC provides the necessary data to the various national and International ranking organizations.



5. IQAC has formulated a team of 20 Internal Auditors to visit each department of the university and to check whether all the documents are well maintained by the departments. If any non conformity arises during the internal audits they are discussed with the respective heads and corrective measures will be adopted accordingly. IQAC conducted Management Representative meeting and IQAC Advisory committee meeting and discussed about the various activities.

2.13 Initiatives undertaken towards faculty development by AU HRD:

The following are the details of different types of faculty development programmes conducted by AU HRD to the staff of affiliated, constituent and State level teachers:

| <b>Faculty / Staff Development Programmes</b>  | <b>No. of courses /Programmes/seminars/workshops.etc..</b> | <b>Number of faculty benefitted</b> |
|--|--|-------------------------------------|
| Refresher courses                              | 3  | 100                                 |
| UGC – Faculty Improvement Programme            | --   | --                                  |
| HRD programmes                                 | --   | --                                  |
| Orientation programmes                         | 2  | 42                                  |
| Faculty exchange programme                     | --   | --                                  |
| Staff training conducted by the university     | 2  | 50                                  |
| Staff training conducted by other institutions | --   | --                                  |
| Summer / Winter schools, Workshops, etc.       | 2  | 40                                  |
| Others   | --   | --                                  |

2.14 Details of Administrative and Technical staff

| Sl.No. | Category of Non-teaching staff | No. of posts sanctioned | No. of posts filled up   |              | No. of posts vacant |
|--------|--------------------------------|-------------------------|--------------------------|--------------|---------------------|
|        |                                |                         | Under direct recruitment | By promotion |                     |
| 1      | 2                              | 3                       | 4                        | 5            | 6                   |
| 01     | Officers                       | 36                      | --                       | 03           | --                  |
| 02     | Ministerial                    | 959                     | --                       | 52           | 06                  |
| 03     | Technical                      | 561                     | --                       | 13           | 01                  |
| 04     | Others                         | 1695                    | --                       | --           | 38                  |

### 3. Research, Consultancy and Extension

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

The IQAC has formulated a quality management system and developed a quality manual which consists of procedure for research. The University is having a structured system at department level, college level, through departmental research committee, college research committee and board of research study. The IQAC in discussion with the departments will formulate the research performance objectives such as number of seminars/ conferences/ workshops organized, Number of distinguished visitors, number of faculty participating in seminars/conference/workshops/ number of research papers published, number of Ph.D/ M.Phil guided, Research funds received etc.,. The IQAC coordinate with the research forum to organize interdisciplinary research meets and to formulate multi disciplinary research. Inter disciplinary research teams are formulated to undertake multi disciplinary research projects. The IQAC encourage the departments to apply for fresh induction and extension of UGC DRS/CAS, DST FIST and research funding agencies schemes.

#### 3.2 Details regarding major projects

|                     | Sanctioned | Ongoing | Completed |
|---------------------|------------|---------|-----------|
| Number              | -          | 51      | 12        |
| Outlay in Rs. Lakhs | -          | 298.0   | 96.7      |

#### 3.3 Details regarding minor projects

|                     | Sanctioned | Ongoing | Completed |
|---------------------|------------|---------|-----------|
| Number              | -          | 3       | 1         |
| Outlay in Rs. Lakhs | -          | 57.3    | 8.0       |

#### 3.4 Details on research publications

During the academic year 2017-18 the faculty and research scholars of the University have published research papers in 230 national and 570 international peer reviewed journals. The college wise details of research publications are given below

| S.No. | Name of the College                         | National   | International |
|-------|---|------------|---------------|
| 1.    | AU College of Arts, Commerce & Mgt. Studies | 35         | 46            |
| 2.    | AU College of Science & Technology          | 128        | 225           |
| 3.    | AU College of Engineering (A)               | 62         | 278           |
| 4.    | AU College of Pharmaceutical Sciences       | -          | 9             |
| 5.    | Dr. B.R.Ambedkar College of Law             | 05         | -             |
| 6.    | AU Engineering college for women            | -          | 12            |
|       | <b>Total</b>                                | <b>230</b> | <b>570</b>    |

3.5 Details on Impact factor of publications:

Range  Average  h-index

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

| Nature of the Project  | Duration Year | Name of the funding Agency  | Total amount in Lakhs |
|--|---------------|---|-----------------------|
| Major projects   | 2-3           | UGC, INCOIS-MFAS, INCOIS-COSF, ICSSR, SAC ISRO- SAMUDRA, NRB, DAE, BRNS, (IIG), UNICEF, DBT – BIF, MoES-ICMAM, DBT-DOS, ISRO – GBP, BARC, NRSC, ISRO, INCOIS-MFAS | 1699.00               |
| Minor Projects   | 1-2           | MOES, INCOIS, MoES, UNICEF, INCOIS, IRSER-European Project, DST   | 24.00                 |
| Interdisciplinary Projects   | 2 years       | DRDO, ISSRO, BARC, TEQIP, G.V.M.C   | --                    |
| Industry sponsored   | 1-2           | RINL, NSTL, VUDA, VPT, APSHC, GIL, Unit-5, DGM, HPCL, WOT, M/s CAIRN Pharma Industries, IT, industries, local govt. bodies.                                       | 494.00                |
| Students research projects (other than compulsory by the University) | 1 year        | DST, ICSSR, ICPR, ICHR  | -                     |
| Total  |               |   | 2217                  |

3.7 No. of books published

i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DBT Scheme/funds

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

3.10 Revenue generated through consultancy:

3.11 No. of conferences organized by the Institution

| Level               | International                                       | National  | State                                   | University                      |
|---------------------|---|---|---|---------------------------------|
| Number              | 3   | 145   | 6                                       | 5                               |
| Sponsoring agencies | UGC, DST, CSIR, ICSSR, DBT, TEQIP, RINL, Industries | UGC, DST, CSIR, ICSSR, DBT, TEQIP, RINL, Industries | APCHE, APCOST, NABARD, Local industries | Andhra University, Local Bodies |

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

3.13 No. of collaborations International  National

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College   
 Total

3.16 No. of patents received this year

| Type of Patent | Number  |    |
|----------------|---------|----|
| National       | Applied | 12 |
|                | 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 |
|-------|---------------|----------|-------|------------|
| 34    | 2             | 9        | 9     | 14         |

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

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

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

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events: University level  State level   
National level  International level

3.22 No. of students participated in NCC events: University level  State level   
National level

3.23 No. of Awards won in NSS: University level  State level   
National level

3.24 No. of Awards won in NCC: University level  State level   
National level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

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

The following are the major activities conducted during the academic year 2017-18.

1. Conduct of Inter University sports competitions
2. Mass plantation programmes
3. Pulse polio immunization programme
4. Campaign on awareness on ODF
5. Organization of blood donation camps
6. Observation of Gandhi Jayanati
7. Observation of National Unity Day
8. Pollution free campaign
9. Conduct of Anti ragging campaign
10. International coastal cleanup day celebrations
11. Training on skill and entrepreneur development
12. Conduct of women empowerment programmes
13. Mega camps on environment enrichment
14. Swatch Bharath campaign observing every Saturday from (3pm - 5pm)

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

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

| Facilities  | Existing | Newly created | Source of Fund                               | Total  |
|---|----------|---------------|--|--------|
| Campus area   | 423.12   | --            | --   | 423.12 |
| Class rooms   | 386      | 12            | UGC, DST, University development fund        | 398    |
| Laboratories  | 135      | 2             | UGC, DST                                     | 137    |
| Seminar Halls   | 94       | 4             | UGC, DST University development fund         | 98     |
| No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year. | --       | 37            | UGC, DST, University development fund, TEQIP | --     |
| Value of the equipment purchased during the year (Rs. in Lakhs)                   | --       | 488           | --   | --     |

##### 4.2 Computerization of administration and library

- All administrative processes are computerized and each department is provided with computers.
- Library is having 71 computers with internet facility.
- Separate browsing centre for international students.
- E learning recourses were created using e-journals and e-books.
- Facilities for physically challenged students in the library.
- Admission & Examination procedures are computerized.

##### 4.3 Library services:

|                              | Existing No.                   | Newly added No. | Total No. |
|------------------------------|--------------------------------|-----------------|-----------|
| Text Books & Reference Books | 188248                         | 2346            | 190594    |
| e-Books & Journals           | 9167 e-journals/<br>4databases | 0               | 9167 /4   |
| Print Journals               | 183                            | 11              | 194       |

##### 4.4 Technology up gradation (overall)

|          | Total Computers | Computer Labs | Internet | Browsing Centre | Computer Room | Office | Departments/ Sections | Others |
|----------|-----------------|---------------|----------|-----------------|---------------|--------|-----------------------|--------|
| Existing | 71              | 0             | 71       | 38              | 7             | 2      | 24                    | 0      |
| Added    | 0               | 0             | 0        | 0               | 0             | 0      | 0                     | 0      |
| Total    | 71              | 0             | 71       | 38              | 7             | 2      | 24                    | 0      |

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

- Each department is provided computers with internet facilities.
- WiFi facility is provided in student hostels and certain departments.
- Training programmes are organized for faculty and students.
- E-class rooms are established in some departments and colleges.
- Install CCTV

4.6 Amount spent on maintenance in lakhs :

|  |                |
|--|----------------|
| i) ICT                                   | 140.0          |
| ii) Campus Infrastructure and facilities | 4265.20        |
| iii) Equipments                          | 749.2          |
| iv) Others                               | 1531.04        |
| <b>Total :</b>                           | <b>6685.44</b> |

**Criterion – V**

**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC has coordinated with the Dean Student Affairs and Director, Physical Education to prepare the academic calendar for student support system. The organized meeting with placement officers of the constituent colleges and provided guidance for conducting training programmes to the students. IQAC has also conducted a periodic meeting with officers of supporting facilities and gave suggestions for improvements. As a result of IQAC monitoring the placement officers have conducted job melas inviting prominent corporate and industries.

5.2 Efforts made by the institution for tracking the progression

Andhra University conduct management review meetings in which the student progression is discussed and initiatives are taken for quality education. At department level the departmental committee has a structured system for tracking and monitoring the student progression based on examination results. The Principals of the consequent colleges review the student progression with the Heads of the department.

5.3 (a) Total Number of students

| UG   | PG   | Ph. D.<br>(FT+PT) | Others |
|------|------|-------------------|--------|
| 3372 | 6373 | 1975              | 177    |

(b) No. of students outside the state

|     |
|-----|
| 504 |
|-----|

(c) No. of international students

|     |
|-----|
| 180 |
|-----|

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

In the campus colleges coaching classes are organized for NET/SLET/GATE and other competitive examinations. The University is having a study centre for SC/ST and OBC students for giving coaching for competitive examination

No. of students beneficiaries

|      |
|------|
| 2750 |
|------|



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

|             |    |           |    |      |     |        |     |
|-------------|----|-----------|----|------|-----|--------|-----|
| NET         | 32 | SET/SLET  | 87 | GATE | 252 | CAT    | 6   |
| IAS/IPS etc | 0  | State PSC | -  | UPSC | 102 | Others | 286 |

### 5.6 Details of student counseling and career guidance

Each college is having training and placement cell to give career guidance to the students in addition to this Andhra University is having career counseling and employment bureau sponsored by state government. Each student is assigned a teacher counselor for providing career guidance and counseling

No. of students benefitted

|      |
|------|
| 2234 |
|------|

### 5.7 Details of campus placement

| Number of Organizations Visited | Number of Students Participated | Number of Students Placed |
|---------------------------------|---------------------------------|---------------------------|
| 95                              | 2621                            | 1823                      |

### 5.8 Details of gender sensitization programmes

Andhra University is having Dr. Durgabhai Deshmuk Centre for women studies to organize gender sensitization programmes. It has organized several women empowerment training programmes. The campaign for equality and Women rights is conducted. The following are the programmes organized:

- An Encyclopedia on Status of Women in Navya Andhra Pradesh
- A Critical Analysis on Implementation of Swachh Bharat Mission in selected slums of Visakhapatnam city: An Interventionist Role by Chaitanya Sravanthi (NGO)
- Information Communication Technology (ICT) Usage : Gender Differentials and Affects on University Students(A Case Study of Andhra University)
- Alcohol consumption and intervention of NGOs for the wellbeing of the family- A Study of NGO Chaitanya Sravanthi
- The Problems of Women Workers in Petrol Bunks – A Case Study of Visakhapatnam City
- A Compendium of Research on Women’s studies in Andhra university (2008-2016)
- Workshop on Women Leadership: Now and Then & Inauguration of the Computer Training Programme for Physically Challenged Students on the occasion of 107<sup>th</sup> Birthday Celebrations of Dr. Durgabai Deshmukh
- Inauguration of the NAARI VANAM & Advisory Committee Meeting
- Certificate Presentation for Physically Challenged Students in Free Computer Training Programme & MAT Scholarship 2016 Event Celebrations on in Dr. B. R. Ambedkar Assembly Hall, A.U.
- Guest Lecture on Clinical Research by Dr. M. K. Kishan, Industry Expert, Bangalore
- Workshop on “Prevention of Sexual Harassment of Women at Work Place and Gender Sensitization” for employees of Naval Dockyard.

- 5-day Workshop on 'Empowering Tribal Youth' in Centre for Women's Studies, A.U.
- Inaugural Programme on Beti Bachao Beti Padao Cell in Centre for Women's Studies, Andhra University.
- Mock Parliament for women students in Centre for Women's Studies, Andhra University
- Quiz Competitions conducted in lieu of the National Women Parliament (Mock Parliament)
- One day Awareness Workshop on 'Eradicating AIDS in Society'
- Five-day Training of Trainers (ToT) Residential Workshop on 'Promoting Women Sarpanches Political Leadership for Gender Responsive Governance'
- Elocution, Essay Writing and Power point presentation competitions for students on the eve of International Women's Day.
- Symposium on Globalization: Cross Cultural Practices – An Experiential View on the eve of International Women's Day Celebrations

## 5.9 Students Activities

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

State/ University level  National level

No. of students participated in cultural events

State/ University level  National level

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

Sports : State/ University level  National level

Cultural: State/ University level  National level

## 5.10 Scholarships and Financial Support

|   | Number of students | Amount (Rs. in crores) |
|---|--------------------|------------------------|
| Financial support from government                                     | 5299               | 5.11                   |
| Financial support from other sources                                  | --                 | --                     |
| Number of students who received International / National recognitions | 01                 | 0                      |

5.11 Student organized / initiatives

Fairs : State/ University level  National level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: No major grievances

## *Criterion – VI*

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

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

**Vision :** To Create New Frontiers of Knowledge in Quest for Development of a Humane and Just Society.

**Mission:** To develop a pool of Human Expertise in Science & Technology, Engineering, Social Sciences and Humanities, the basic investment for the progress of the country.

#### 6.2 Does the Institution has a management Information System

|     |
|-----|
| YES |
|-----|

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

##### 6.3.1 Curriculum Development

- University Organized workshops at department level involving experts from industry/research organizations.
- The Board of studies at PG and UG levels are constituted with members from industry, expert faculty and student representatives.
- The feedback collected from students and alumni for curriculum and suggestions were placed in BOS meetings. High Priority is given for employability and value based education.
- Choice Based credit system is initiated in all departments

##### 6.3.2 Teaching and Learning

During the academic year 2017-18 the academic schedule and teaching plans are prepared in advance and executed meticulously. The conventional as well as modern teaching methods are adopted by the faculty. The focus is more on experiential learning, participative learning and case based learning. Student seminars, assignments, projects, field work and internships are part of the curriculum in majority of the programs. The students are provided with academic guides for interaction beyond classrooms. The advanced learners and research students take partnership in research projects with the faculty members. The meritorious students are recognized and awarded special prizes. The student feedback on performance of teachers is collected and analyzed regularly and based on that measures are taken to improve quality of teaching learning process.

The following are the key factors contributing to the effectiveness of teaching-learning and evaluation.

- Differential approaches to support slow learners and advanced learners
- Effective implementation of academic schedule and teaching plans
- Focus on experiential learning and participative learning
- Involving experts from industry and other research and academic institutions
- Extensive use of ICT in teaching and learning beyond classrooms
- Prevalence of student centric learning environment
- Mentor and Mentee relationship
- Continuous evaluation process and transparency in evaluation methods
- Student participation in organizing academic programs
- Student seminars, student events and contests, student participation in national level seminars and conferences and competitions to promote creative thinking and desired competencies.

#### 6.3.3 Examination and Evaluation

- Two midterm examinations and one Semester end examination are conducted.
- Double valuation for all PG Courses.
- Revaluation and challenge valuation are allowed.
- Photo Copy of the script is provided to the student on demand
- Publication of results within one month.
- Tatkal system for issue of certificates.
- Grievances cell for examinations.
- Online publication of results

#### 6.3.4 Research and Development

- Creation of inter and multi disciplinary research teams.
- Organizations of conferences/seminars/workshops / training programmes.
- Sponsoring faculty for conferences /seminars/workshops.
- Establishment of research forum.
- Encouraging faculty towards getting projects.
- Publication of Five research journals.
- Establishment of department research committees and college committees.
- Inviting visiting fellows.

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

Well established library with more than 5 lakhs books and 182 print journals having e learning resources with 9695 eBooks and e-journals. A separate browsing centre for international students in the library is established. Library is well connected with consortium of Indian libraries inflibnet.

The University is having more than 2800 computers and 30 e-class rooms. Each department is provided with computers and network facilities. Hostels were connected with Wi-Fi facility. There are 13 Research centres and 12 computational centres in total.

The university is having well established classrooms, seminar halls, laboratories etc. The amenities such canteens hospitals, banks, post office, hostels, staff quarters, recreation clubs, play grounds, indoor auditorium and common halls are available. The university is having centralized analytical laboratory. Each department in College of Engineering and College of Science and Technology is having well established laboratories with modern equipment.

### 6.3.6 Human Resource Development

Andhra University is having structured quality improvement strategy to train the pool of human resource. It encourages its faculty to develop their teaching and research skills by attending and organizing conferences/seminars/workshops /training programmes. Andhra University has organized several training programmes for faculty and non teaching staff to improve their skills. University implemented faculty exchange programmes to provide opportunity for faculty to visit and interact with international reputed research organizations. The university recognizes the meritorious faculty and staff by distributing awards such as Prof.Sarvepalli Radhakrishna Best Academician Award, Best Researcher Award, Best Employee Award and Cash Prizes

### 6.3.7 Faculty and Staff recruitment\

Andhra University has implemented career advancement scheme to promote its faculty. Andhra University has recruited Assistant Professors (Contract) during this year. Andhra University also recruited Teaching Associates in some departments wherever there is a need. In addition to this there are 18 Emeritus Professors working in the University who got recognition from UGC/CSIR/DRDO/ICSSR. Andhra University also made recruitment to fill the vacancies in nonteaching positions.

### 6.3.8 Industry Interaction / Collaboration

Andhra University is having interaction and collaboration with reputed research organizations, industries and institutions in India and abroad. It has 74 MOUs with these organizations until now. Andhra University is also having several interdisciplinary and multidisciplinary projects in collaboration with other reputed organizations. Andhra University is conducting Twinning Programmes in collaboration with Foreign Universities/Institutions. Andhra University is providing consultancy services to several industries and organizations. During the academic year 2017-18, 14 MoU's are signed.

### 6.3.9 Admission of Students

The University has a well organized and transparent admission system. Admission into various courses in its constituent colleges, PG centers and affiliated colleges offering PG courses is carried out by Directorate of Admissions. All the admissions are based on merit in accordance with the rank obtained in the Common Entrance Test or marks obtained in qualifying examinations and following the rule of reservation as specified by Government of Andhra Pradesh. The entire admission process is computerized. The candidates seeking admission are required to submit applications on-line and appear for the Entrance Test conducted by the University. Based on the options given by the candidates the admission process will take place. In order to support the students in selecting the course and affiliated institutions if any, admission counseling is arranged. The University follows inclusive policy and as such all academic departments provides preadmission counseling and support for preparation for entrance tests. As a result many students belonging to S.C., S.T., B.C., Minority categories get admission into the campus. The girl students constitute more than 50% in many departments. Along with the students of the region, as per the Government rules, the University reserves 15% seats in every course to non-local candidates. International students are also given admissions in all courses.

### 6.4 Welfare schemes for

|              |  |
|--------------|--|
| Teaching     | <ul style="list-style-type: none"><li>• Staff Quarters are available</li><li>• Fee Concession for Employee Children in Education</li><li>• Free Medical facility</li><li>• Group Insurance</li><li>• Separate Cooperative Society</li><li>• Faculty Club and Recreational Centre</li><li>• Festival advances</li><li>• Loans for housing, vehicle and medical</li><li>• Faculty development programmes</li></ul> |
| Non Teaching | <ul style="list-style-type: none"><li>• Staff Quarters are provided</li><li>• Fee Concession for Employee Children in Education</li><li>• Free Medical facility</li></ul>  |

|          |   |
|----------|---|
|          | <ul style="list-style-type: none"> <li>• Group Insurance</li> <li>• Separate Cooperative Society</li> <li>• Festival advances</li> <li>• Loans for housing, vehicle and medical</li> <li>• Training programmes</li> </ul>   |
| Students | <ul style="list-style-type: none"> <li>• Accommodation (hostel facility)</li> <li>• Transportation from hostels to departments for Girl students</li> <li>• Free medical facility</li> <li>• Student Insurance</li> <li>• Wifi Facility in the hostels</li> <li>• Play grounds and Gymnasium</li> <li>• Meditation Hall</li> <li>• Free Yoga Camps</li> <li>• Recreational Facilities</li> <li>• Implementation of Fee Reimbursement scheme</li> <li>• Assistance for getting scholarships</li> </ul> |

6.5 Total fund generated

**Rs. 452,87,67,727**

6.6 Whether annual financial audit has been done

Yes

No

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

| Audit Type     | External |                | Internal |                   |
|----------------|----------|----------------|----------|-------------------|
|                | Yes/No   | Agency         | Yes/No   | Authority         |
| Academic       | Yes      | TUV South Asia | Yes      | Andhra University |
| Administrative | Yes      | TUV South Asia | Yes      | Andhra University |

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

For UG Programmes

Yes

No

For PG Programmes

Yes

No

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

University is implemented Choice based credit system and conducts two midterm and one semester end examinations. For PG courses there is double valuation. The pre and post examination process is computerized. Results are announced online. Photocopy of the answer script is supplied to the student on demand. Revaluation facility is provided to the students. A separate grievances redressal cell for examinations is established.



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

Andhra University encourages its affiliated colleges to go for Autonomy based on their performance. It provides all support to get autonomous status from UGC and other statutory bodies. There are 14 Autonomous colleges associated with Andhra University.

6.11 Activities and support from the Alumni Association

Andhra University is having registered alumni association. During 2017-2017 Grand Alumni meet was conducted on 9<sup>th</sup> December 2017. All departments are having registered alumni associations. The following are the activities conducted by the alumni associations.

- In the college of pharmaceutical sciences all labs are equipped with modern facilities by alumni association.
- Periodic meetings with alumni and current students are conducted.
- Visiting lectures by eminent alumni are arranged.
- Alumni are associated in designing and updating the curriculum through participation in board of studies.
- Feedback on University on academic and nonacademic activities is provided.
- Participated in community development and society welfare programmes.
- Providing scholarships/awards/prizes to the desiring students
- Sponsoring the endowment lectures.

6.12 Activities and support from the Parent – Teacher Association

Andhra University is having periodic parent – teacher meetings to understand the perceptions and expectations of the parents. The parents are periodically apprised about the department activities through students and mails. The feedback back from parents various academic and non academic activities are collected and analyzed. The transparency in admission, examination and evaluation processes is maintained by providing the procedures in the University website. The orientation programmes are organized in each college for which the parents are also invited. The University believes and maintains a holistic relationship teacher and parents can improve the quality of education and it adopts several initiatives in this direction. Dial your University programme is organized in the first week of every month with Vice Chancellor, Rector, Registrar and officials of the University in which the parents are interacting and getting the information regarding the University.

### 6.13 Development programmes for supporting staff

All the Technical, Administrative Supporting staff were given training and awareness on ISO 9001:2015 Certification.

A few Supporting staff from various departments of the University were identified and given Best Employee Awards during Independence Day celebrations and Republic Day

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

The University is taking various initiatives to make the campus eco friendly. There is horticulture unit with a coordinator to plan and monitor the ecosystems of the University.

➤ **Energy conservation:**

Five-day week : which is reducing usage of power, fossil fuel and pollution in the campus  
Encouraging using of CFL lamps Restricting in the use of air conditioning.

➤ **Water harvesting:**

Construction of contour bunds in the Campus Soak pits in various departments of University constituent colleges Construction of gray water recycling units at various Hostel complexes

➤ **Check dam construction:**

Check-dams were constructed in some places.

➤ **Plantation:**

Programmes for forestation to maintain the campus green and healthy.

➤ **Hazardous waste management:**

The University setup a committee to handle hazardous waste management. Effective discharge of water from laboratories. Putting of damaged glassware and chemicals in specified locations University is plastic free campus.

➤ **e-waste management**

The University administration has nominated the centralized team to look after obsolete items from the University campus colleges and their proper disposal. The e-waste is disposed calling tenders from the vendors who use it for recycling. Necessary steps are taken for speedy disposal.

## ***Criterion – VII***

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

7.1 During this academic year the following best practices are continued

1. Frequent interaction with the stakeholders to make campus tension free
2. Successfully tapping additional funds from the Alumni and ensuring proper utilization of University funds.
3. Taking measures to achieve paperless administration
4. Certification of ISO 9001:2015
5. Continuation of Market driven and innovative New courses
6. Organizing Job Melas
7. Provision of Health Insurance for Students
8. Modernization of Dr.V.S. Krishna Library
9. Introduction of innovative courses
10. Mandated 80 hours sports for students
11. Focus on multidisciplinary and collaborative research

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

The academic calendar, cultural calendar, sports calendars were prepared in the beginning of the year and implemented effectively. The feedback from students, employees, alumni. Parents is collected and analyzed. The faculty self evaluation reports and department evaluation reports were collected and analyzed. Two internal audits and one surveillance audit by external agency were conducted. The management review meetings were organized periodically with Vice chancellor in chair and reviewed the progress of the departments. The planning and monitoring board meeting was organized and initiatives for improvement were discussed. Since Andhra University was recognized as Category –I university, it has designed and developed a few Certificate courses for retired personnel from tri forces in MoU with DGR, GoI.

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

1. Design and execution of Quality Management System in the University
2. Formation of multi-disciplinary research teams

#### 7.4 Contribution to environmental awareness / protection

The University has organized several programmes for improving environmental awareness among students and public. The following are some of the initiatives taken by the University for Environmental Protection.

- Organized several Energy conservation initiatives such as replacing the lamps with CFL bulbs, new wiring wherever there are leaks.
- Organized programmes for energy conservation by optimal utilization of electrical equipments and amenities.
- Solar panels are arranged in some departments to get renewable/alternate energy
- Check dams are constructed in some areas to protect ground water and to improve water harvesting.
- Mass Plantation programmes are organized in collaboration with voluntary organizations.
- Green Audit is conducted.

7.5 Whether environmental audit was conducted?

Yes

No

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

- The University has academic and planning bodies which meet regularly and review its activities and policies.
- The Vice-Chancellor convenes the meeting with all the Heads of the Departments; Dean, Academic Affairs and Chairpersons, PG Boards of Studies of the Departments and reviews the academic progress every quarter and invites suggestions for further improvement of the academic environment. In addition, many eminent educationists are invited to the campus, to spend two or three weeks as Visiting Professors and offer their suggestions for academic improvement.
- Honorary Visiting Professors are appointed and they spend some days in the University to interact with the students and faculty.
- Similarly, Ambassadors of various countries and Governors of other states are also invited to address the University community.
- Every year, the University conducts academic and administrative audit, to identify and rectify the defects, if any, in order to meet specific goals and objectives of the University.
- The entire University is networked and each departmental head has access to the information about the entire University. University has introduced a few self-financing courses, the purpose is not only to make available to the clients newer courses of contemporary importance, but also to generate finances to the University. However,

these courses cannot have a continuous patronage and will have to be reviewed periodically to be replaced by courses of contemporary importance.

- The students are exposed to yoga classes and encouraged to participate in sports and games. In addition, lectures by eminent educationists, Philanthropists, social workers and economists are arranged to inculcate value based education. Through NSS, students are encouraged to organize blood donation camps and participate in tree plantation and Swachchata awareness campaign. In the Social Work Department, the child help line is introduced and the students are trained to help the children in crisis. Two audit courses on Values and ethics, NCC, NSS and sports with two credits are made compulsory for all students in the campus.

#### 8. Plans of institution for next year

Andhra University is tuned to adopt, to change required, to be implemented from time to time to perceive the goals and fulfill the objectives. The following are the future plans and initiatives of the University not just to maintain and sustain the existing status but to ensure continuous improvement of the University to stand on par with any other higher education institution in the country.

- Fostering global competency among students through increasing collaboration with international reputed organization and introducing more twining programmes.
- Centralized computational laboratories are to be modernized with latest software.
- Departmental libraries are to be strengthened.
- Value based education system is reviewed and promoted further.

The University always strive to focus the great motto extracted from Upanishads THEJAVINAVADHITAMASTU which means May the Divine light illumine our studies.

