



1. PROFILE OF THE UNIVERSITY

1. Name and Address of the University:

Name : **Andhra University**
 Address : **Visakhapatnam**
 City : **Visakhapatnam** Pin : **530 003** State: **Andhra Pradesh**
 Website : www.andhrauniversity.edu.in

2. For Communication

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice-Chancellor	Prof. G.S.N.Raju	O 0891-2844222	9440777793	0891-2551987	aunc@andhrauniversity.edu.in
		R 0891-2844194			
		R 0891-2532922			
Registrar	Prof. K.Rama Mohana Rao	O 0891-2844567	9949669929	0891-2755324	auregistrarvsp@gmail.com
		R 0891-2844191			
Steering Committee/ IQAC Coordinator	Prof. G.M.J.Raju	O 0891-2844818	9866017067		auiqac2005@gmail.com
		R 0891-2506777			

3. Status of the University : State University

4. Type of University : Affiliating

5. Source of funding:

Central Government

State Government

Self – Financing

Any other (please specify)

<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>

6. a. Date of Establishment of the University : 26/04/1926

b. Prior to the establishment of the university, was it a/an

i. PG Centre	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
ii. Affiliated College	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
iii. Constituent College	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
iv. Autonomous College	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Any other

If yes, give the date of establishment :

7. Date of recognition as a university by UGC or any other national agency:

Andhra University was established in the year 1926 prior to the establishment of UGC and the University is receiving planned grants from UGC

**8. Has the university been recognized**

a. By UGC as a University with Potential for Excellence?

Yes No

b. For its performance by any other governmental agency?

Yes No

c. Date of recognition : DST PURSE 15-11-2010
 AICTE 19-03-2013
 PCI 18-10-2010
 NCTE 03-03-2014
 BCI 24-10-2013

9. Does the university have off-campus centres?Yes No

If yes, date of establishment

A.U. Campus, Kakinada : 12-11-1977

A.U. Campus, Vizianagaram : 17-10-2004

A.U. Campus, Tadepalligudem : 04-07-2004

10. Does the university have off-shore campuses?Yes No **11. Location of the campus and area:**

	Location	Campus area in Acres	Built up area in Sft
i. Main campus area	Visakhapatnam (Urban)	423.12	5417989
ii. Other campuses in the country	Kakinada (Urban)	51.3	67150
	Vizianagaram (Semi Urban)	200	3300
	Tadepalligudem (Rural)	100	13550

12 Provide information on the following: In case of multi-campus University, please provide campus-wise information.**ANDHRA UNIVERSITY CAMPUS, VISAKHAPATNAM**Auditorium/seminar complex with infrastructural facilities: **Available** **Sports facilities**

* Play Ground : 03
 * Gymnasium : 03
 * Any other (Specify) : Tennis Courts : 05
 Basket Ball : 03
 Courts : 01
 Indoor Stadium : 01
 Players dormitory : 01
 Meditation Hall



□ **Hostel**

Boys Hostel

- i. Number of Hostels : 25
- ii. Number of Inmates : 4019
- iii. Facilities : Recreation rooms, Reading Rooms, Wi-Fi facility, Computers with Internet facility, Safe Drinking water, Dining Halls, Indoor Sports rooms.

Girls Hostel

- i. Number of Hostels : 14
- ii. Number of Inmates : 2082
- iii. Facilities : Recreation rooms, Reading Rooms, Wi-Fi facility, Computers with Internet facility, Safe Drinking water, Dining Halls, Indoor Sports rooms.

Working Women's Hostel

- i. Number of Hostels : 01 (Operated by NGO)
- ii. Number of Inmates : 200
- iii. Facilities : Reading Room, Recreation Facilities.

- Residential facilities for faculty and non-teaching : 324 Quarters with all amenities

- Cafeteria : 05

- Health centre – Nature of facilities : 03

available – inpatient, outpatient, ambulance, emergency care facility, etc

The following facilities are available in the A.U Health Centres

- 16 beded inpatient hospital
- Outpatient clinic
- Emergency care facility
- Biochemical Laboratory
- Clinical Laboratory
- X-Ray units- 2
- ECG
- Cell Counter
- Ultra Sound Scanner
- Automated Biochemical Analyser
- Operation Theatre (for Minor Surgeries)
- Physiotherapy Unit
- Generator
- Availability of Ambulance round the clock
- Free Medical Aid
- Nature Cure Centre

- Facilities like banking, post office, book shops, etc : Banks : 05
Post offices : 02
Book Shops : 01



- Transport facilities to cater to the needs of the students and staff : University Buses are available
- Facilities for persons with disabilities :
 - Ramps in all departments and offices
 - Lift facility at library and Engineering college
 - Separate Browsing centre for physically challenged
 - Separate Browsing Centre for visually challenged
 - Provision of Scribe in the examinations
- Animal house : Yes
- Incinerator for laboratories : Flume Chambers are provided in laboratories where ever required.
- Power house : Yes
- Waste management facility : Available

ANDHRA UNIVERSITY CAMPUS, KAKINADA

Auditorium/seminar complex with infrastructural facilities: **Available**

Sports facilities

- * Play Ground : 02
- * Any other (Specify) : Basket Ball / 03
Volley Ball
Courts

Hostel

Boys Hostel

- i. Number of Hostels : 01
- ii. Number of Inmates : 100
- iii. Facilities : Recreation rooms, Reading Rooms, Computers with Internet facility, Safe Drinking water.

Girls Hostel

- i. Number of Hostels : 01
- ii. Number of Inmates : 90
- iii. Facilities : Recreation rooms, Reading Rooms, Computers with Internet facility, Safe Drinking water, Dining Halls, Indoor Sports rooms.

- Cafeteria : 01
- Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc : Medical Officer available
- Facilities like banking, post office, book shops, etc : Available in the City



- Facilities for persons with disabilities :
 - Ramps in all departments and offices
 - Scribe Facility in the examination
- Waste management facility : Available

ANDHRA UNIVERSITY CAMPUS, VIZIANAGARAM

Auditorium/seminar complex with infrastructural facilities: **Available**

- Sports facilities**
 - * Play Ground : 01
- Cafeteria : 01
- Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc : Available near in the City
- Facilities like banking, post office, book shops, etc : Available in the City
- Facilities for persons with disabilities :
 - Ramps in all departments and offices
 - Scribe Facility in the examination
- Waste management facility : Available

ANDHRA UNIVERSITY CAMPUS, TADEPALLIGUDEM

Auditorium/seminar complex with infrastructural facilities: **Available**

- Sports facilities**
 - * Play Ground : 01
- Hostel**

Boys Hostel

- i. Number of Hostels : 01 (Maintained by Social Welfare department)
- ii. Number of Inmates : 40
- Cafeteria : 01
- Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc : Hospital is available in Tadepalligudem
- Facilities like banking, post office, book shops, etc : Available at Tadepalligudem
- Transport facilities to cater to the needs of the students and staff : Public Transport is available
- Facilities for persons with disabilities : Ramps for all buildings
- Waste management facility : Available

**13 Number of institutions affiliated to the university as on 30-06-2014**

Type of Colleges	Total	Permanent	Temporary
Arts, Science and Commerce	189	28	161
Law	11	2	9
Engineering	10	3	7
Education	120	5	115
Management	197	4	193
Others (Pharmacy)	24	---	24
Total:	551	42	509

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the UniversityYes No Number **15. Furnish the following information**

Particulars	Number	Number of Students
a. University Departments		
Undergraduate	19	3458
Post Graduate	61	9120
Research Departments	61	1481
Research Centers on the campus	12	---
b. P.G. Campuses outside Visakhapatnam	3	431
c. Affiliated Colleges	551	108111
d. Colleges only under 2f	7	---
e. Colleges Under 2 (f) and 12B	33	---
f. NAAC accredited colleges	23	---
g. Autonomous colleges	5	---
h. Colleges with Postgraduate Departments	197	---
i. Colleges with Research Departments	09	---
j. University recognized Research Institutes/Centres	43	---

16. Does the university conform to the specification of Degrees as enlisted by the UGC?Yes No



17. Academic programmes offered by the university departments at present, under the following categories: (enclose the list of academic programmes offered)

Programmes	Number
UG	19
PG	119
Integrated Masters	19
M.Phil.	46
Ph.D.	57
Certificate	03
Diploma	03
PG Diploma	11
Twinning Programmes	05
Total:	282

18. Number of working days during the last academic year.

210

19. Number of teaching days during the past four academic years.

790

20. Does the university have a department of Teacher Education?

Yes

No

If yes

a. Year of establishment : 1973

b. NCTE recognition details

Notification No : SRCAPP 229 / M.Ed / AP/2013-14 / S7309

Date : 03-03-2014

c. Is the department opting for assessment and accreditation separately?

Yes

No

- 21 Does the university have a department of Physical Education?

Yes

No

If yes

d. Year of establishment : 2007

e. NCTE recognition details

Notification No : SRC/NCTE/2009/M.P.Ed./RO/10982

Date : 23/03/2009

f. Is the department opting for assessment and accreditation separately?

Yes

No



- 22 In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Not Applicable

- 23 Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Yes (AICTE, NBA, PCI, BCI,DEC,NCTE)

- 24 Number of positions in the university

Positions	Teaching Faculty			Total	Non-Teaching Staff	Technical Staff
	Professor	Associate Professor	Assistant Professor			
Sanctioned by the UGC/ University/ State Government	153	278	521	952	2690	461
Recruited	261*	83*	92	436	1782	375
Yet to Recruit	119	145	252	516	908	86
Number of persons working on contract basis	---	---	328	328	432	56
* Including the faculty members promoted under CAS						

- 25 Qualifications of the teaching staff

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	195	66	55	18	42	32	408
M.Phil.			6	4	11	7	28
Temporary teachers							
Ph.D.	-	-	-	-	35	18	53
M.Phil.	-	-	-	-	18	15	33
PG	-	-	-	-	19	11	30
Part-time teachers							
Ph.D.	-	-	-	-	-	-	
M.Phil.	-	-	-	-	64	52	116
PG	-	-	-	-	44	52	96

**26. Emeritus, Adjunct and Visiting Professors**

	Emeritus	Adjunct	Visiting
Number	23	06	06

27. Chairs instituted by the university:

	Chairs
School / Department	06

28. Students enrolled in the University departments during the current academic year with the following details

Student	UG		PG		Integrated Masters		M.Phil		Ph.D	
	M	F	M	F	M	F	M	F	M	F
From the state where the university is located	1354	1633	3039	3708	1404	746	66	67	705	573
From other states of India	99	102	42	59	12	08	07	09	12	14
NRI students	135	78	43	36	---	---	---	---	---	---
Foreign students	36	21	12	11	---	---	---	---	42	14
Total:	1624	1834	3136	3814	1416	754	73*	76*	759*	573*

*excluding part-time registered Research Scholars

M- Male, F- Female

Students admitted in the academic year 2014-15

Undergraduate Students	:	886
Postgraduate Students	:	3437
Integrated Masters	:	490
Master of Philosophy	:	149*
Ph.D.	:	721*

		5683

*excluding part-time registered Research Scholars

29 'Unit cost' of education (Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component	:	Rs. 93,328/-
(b) excluding the salary component	:	Rs. 24,864/-

**30 Academic Staff College**

- Year of Establishment : 1987
- Number of programmes conducted for the last 5 year
- * UGC Orientation : 08
 - * UGC Refresher : 30
 - * University's own programmes : 09

31. Does the university offer Distance Education Programmes (DEP)?

Yes No

If yes, indicate the number of programmes offered. : 49

Are they recognized by the Distance Education Council? : Yes

32. Does the university have a provision for external registration of students?

Yes No

If yes, how many students avail of this provision annually?

Through School of Distance Education 32,219 Students registered as external candidates for UG and PG Programmes during the year 2013-14.

1234 students joined as part time research scholars for doing Ph.D / M.Phil programmes during the year 2013-14.

33. Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.

Accreditation : Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment :

34. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1 : 15/05/2002 Accreditation outcome/Result : 'A'

Cycle 2 : 16/09/2008 Accreditation outcome/Result : 'A' with CGPA 3.65



35. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university

- 5 Autonomous Affiliated Colleges have accredited by NAAC.
- 23 Affiliated Colleges have accredited by NAAC.

The list of Accredited affiliated colleges having NAAC accreditation are posted at www.andhrauniversity.edu.in/iqac/naacrar/NAAC-accredited-affiliated-colleges.pdf

36. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC : 11 / 07 / 2005

37. Any other relevant data, the university would like to include (not exceeding one page)

Andhra University in its journey over the last nine decades continued to uphold quality standards in all perspectives. The National Assessment and Accreditation Council accredited twice the University at grade 'A'. The University secured 3.65 CGPA out of four point scale which is the highest among the State Universities in India. The University has been recognized by Department of Science and Technology as one of the fourteen Universities in India in terms of contribution to research in Science, Technology and Engineering based on H-index developed by Scopus. The Engineering college of University got sanction of TEQIP phases – I & II based on its excellent performance. The AU College of Engineering (A) was adjudged best Government Engineering College by different rating organizations. International Society for space research in Asia Pacific has recognized the university for academic standards and sponsored four M.Tech., programmes. This is the only University in India selected for this programme. Career 360 magazine in its rating to various Universities and Institutions in the country awarded 5 star category to the University based on its contribution to research. Andhra University is one of the ten Universities in India to secure this recognition. The Week Magazine in its survey on educational institutions rated Andhra University in 24th position among all Indian non IIT Institutions. The Current Science Journal 2013 has mentioned Andhra University is in 8th position among all Indian Institutions doing research in Social Sciences based on e-publications. India Today ranked Andhra University at 10th position at the National level based on University Ranking Survey conducted by Nielsen in June, 2014. Considering all its credits, the former Prime Minister, Dr. Manmohan Singh described this university as 'Magnificent University'.



EXECUTIVE SUMMARY

Andhra University was established in 1926 by the Madras University Act to serve the entire linguistic region of Andhra as a residential teaching- cum-affiliating University. The Telugu speaking people are emotionally attached to the University as it was the result of a prolonged struggle of Telugu elite. Andhra University is not just one of the oldest educational institutions in the country but also the first to be conceived as a residential multi-disciplinary University. The 88 year old institution is fortunate to have Sir C.R. Reddy as its founder Vice chancellor and Dr. Sarvepalli Radhakrishnan as the second Vice-Chancellor. The foundations laid by these two visionaries proved to be fruitful in the succeeding decades. The University has the distinction of having 5 Shanti Swarup Bhatnagar Awardees, 2 Padmavibushan Awardees, 3 Padmasri Awardees and One Sahitya Academy Awardee among its academic staff members and many more recipients of highly rated awards among the alumni.

Andhra University, a premier institute of higher learning, is a trendsetter in Higher Education and University Administration in many respects. The National Assessment and Accreditation Council of India has reaccredited at “A” Grade with a CGPA of 3.65 out of four point scale in 2008. The University got ISO 9001:2000 certification in 2006 and presently possesses ISO 9001:2008 certification for its quality standards.

The University was started with the noble ideals of promoting higher education in the region, fostering original research, creating and disseminating knowledge. To fulfill these objectives the University has taken all the necessary measures, continuously striving to keep pace with the advances in Science and Technology.

1. Curricular Aspects

Andhra University is a multi-disciplinary University offering varied courses in emerging areas that bear a direct relationship to economic growth and development of the society. Andhra University has distinguished itself by starting many courses which are innovative and first of their kind in India.

The University is strong in basic sciences like Mathematics, Physics, Chemistry, Botany, Zoology, Geology and Geography. The University is equally competent in applied sciences like Biochemistry, Biotechnology, Microbiology, Molecular Biology, Human Genetics, Environmental Sciences, Geophysics, Geo-Engineering, Remote Sensing, Nuclear Physics, Meteorology, Oceanography, Nuclear Chemistry, Environmental Chemistry and Bioinorganic Chemistry.

The institution is unique in offering courses like Plant Cytogenetics, Parasitology, Marine Fisheries, Entomology, Hydrology, Human Genetics, Ionosphere Studies, Petroleum Exploration Studies, Pharmaceutical Sciences, Nanoscience, Foods and drugs and water.

The University further is a pioneer in designing and offering courses in Business Management, Quantitative Economics, Criminal Justice, Meteorology & Oceanography, Nuclear Physics, Nuclear Chemistry, Parapsychology, Genetics, Gemology, Geo-Engineering, Petroleum Exploration, Marine Engineering, Naval Architecture, Retail Management, Statistics and Computer Science.

The Humanities and Social Sciences courses like English, Telugu, Sanskrit, Hindi, Urdu, Arabic, Anthropology, Economics, Political Science, Social Work, Sociology, History



& Archeology, Yoga, Philosophy, Dance, Music, Performing Arts, Theatre Arts, Fine Arts, offered by the University have a great reputation in the country.

The College of Engineering offers 89 courses in 15 departments. The courses like Chemical Engineering, Computer Science, Electronics & Communications, Civil Engineering, Mechanical Engineering, Remote Sensing, Marine Engineering, Naval Architecture, Nanotechnology, Artificial Intelligence, Bioinformatics and Biomedical Engineering have made a mark for themselves.

The College of Law is one of the best in the country offering LL.B. 3 years, LL.B. 5 years, LL.M. and Ph.D. Programmes. Most of the Judges in Andhra Pradesh Courts, a significant representation in the judiciary of High Courts and Supreme Court are the proud alumni of Dr. B. R. Ambedkar College of Law. The Department of Pharmacy is also well known for its teaching and research and many of its alumni are occupying key positions in Industry, Teaching and Research Institutes.

The School of Distance Education has been functioning effectively catering to the educational needs of employees, house wives and such of those who are interested to improve qualifications in different disciplines, thus making Higher Education reach the Unreached.

The University has a well organized system of curriculum development with a separate Board of Studies in each Department where experts from other Universities, Industry and Research Institutions and teachers from the department are the members. A student representative is also made a member of each Board of Studies. The Academic Senate – The Apex Body having representation of all stakeholders of the University reviews academic programs twice in a year and takes measures for introducing new programs/changes in existing programs/ changes in regulation/changes in evaluation system.

The University regularly collects feedback from students, teachers, employers, parents and public and reacts accordingly in curriculum development. The syllabi are periodically modified at least once in four years. The revision may be affected every year also, wherever it is deemed necessary.

During the assessment period the University has taken many new initiatives to strengthen on the quality standards of curricular aspects. The following are the key initiatives:

1. The University has introduced 19 five year Integrated Programs, 18 Post Graduate Programs, 7 Diploma Programs and 3 Certificate Programs.
2. To provide special opportunity for girl students to pursue Engineering courses a new Engineering College for Women has been started offering four courses viz. Computer Science, E.C.E., Mechanical Engineering and Electrical Engineering.
3. The courses such as B.E. Aircraft Engineering, B.E. Electro Mechanical Engineering, M.S. Molecular Biology & Biotechnology, M.S. Software Engineering, M.S. Signal Processing, M.B.A. and B.S. Hotel, Restaurant, are designed in collaboration with International academic institutions such as Kansas State university, USA., Blekinge Institute of Technology, Sweden, Alcorn State University, Mississippi, USA., University of Delaware, Delaware, USA., Perth College, University of Highlands & Islands, Scotland.



4. Joint programs with research organizations have been designed and organized. The University offers M.Tech Petroleum Exploration., M.Tech Remote Sensing., M.Tech Atmospheric Sciences., and M.Tech Ocean Science in association with ONGC, Indian Institute of Remote Sensing, International Society for Space research in Asia Pacific.
5. Many programs offered in the University are multidisciplinary in nature. During the assessment period the University introduced 12 multidisciplinary programs.
6. Twinning programs have been offered in association with Kansas State University, USA, Blekinge Institute of Technology, Sweden, Alcorn State University, Mississippi, USA, University of Delaware, Delaware, USA, Perth College, and University of Highlands & Islands, Scotland.
7. Choice based credit system has been introduced in a limited way. The Engineering and Science faculty students have to choose any two non-core papers that are offered by the other departments.
8. An audit course on Ethics and Moral Values has been introduced in all U.G. and P.G. programs.
9. An audit course on Sports/N.S.S./N.C.C. has been introduced and each student is required to participate for 80 hours in a year in any sport of his/her choice.
10. Feedback on curriculum has been institutionalized and the feedback analysis has been used for introducing changes in curriculum or in developing new programs.
11. In some Engineering programs blended curriculum has been developed by integrating the learning resource such as NPTEL and NMEICT.
12. Stakeholders participation in design and development of curriculum has been enhanced.
13. Special focus was given to courses with employability potential.
14. To provide high level of academic flexibility, a striking balance has been maintained between humanities and social sciences, basic sciences and applied sciences, engineering and technology, special arts, commerce, management and physical education.
15. To provide greater access to the needy a combination of regular full time courses, part time courses, short term courses and courses through distance mode are offered.

2. Teaching-Learning and Evaluation

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.

In order to cater to the student diversity each and every department organizes orientation programs/induction programs for freshers. Distinctive approaches of teaching and learning are adopted to address the needs of slow learners, average learners and advanced learners. Differently abled students are treated with special care and concern. A system of peer learning, student mentoring, team building and organization of events and student involved academic programs have been implemented to ensure an inclusive academic ambience in each and every department.

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 ICT based teaching-learning is promoted by providing sufficient infrastructure and by entering into MoUs with Apnabox and Google Apps. 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 University has adequate and fully qualified faculty members. The UGC and State Government norms are strictly followed for recruitment and promotion of faculty members. The teachers are encouraged continuously to upgrade their teaching skills. To enable this refresher courses and orientation programmes are regularly organized. Teachers are encouraged to adopt alternative teaching methods and are now geared up to adopt methods based on computers and information technology. In addition to the regular faculty, the University uses the services of Honorary Professors and Emeritus Professors. All the faculty members are well acquainted with ICT enabled teaching-learning process. Many teachers were honored with awards and medals for their academic achievements.

All the stakeholders are well informed about the evaluation processes. The examinations schedule is communicated at the beginning of the academic year and executed accordingly. The examination process is computerized and the results are processed and declared within 30 days after the examinations. Adequate care has been taken to ensure transparency and security of the evaluation system. Student grievances related to the examinations are addressed by a separate cell in the examination division. The students are given a facility to obtain a photocopy of the answer script and to request for revaluation.

The students are well informed about the graduate attributes at the beginning of the academic program. Each and every department displays the course-wise graduate attributes in clear terms and designs the course plan accordingly to achieve the stated learning outcomes. The continuous assessment and the semester end results are analyzed periodically to assess the achievement of learning outcomes and to take measures if necessary to improve the processes. Each and every department is having a library and internet connectivity to provide access for learning to the students and faculty members. The students are also



provided internet centers and Wi-Fi facility at the hostels to have extended learning and to interact with faculty and experts beyond classroom.

The teachers are always encouraged to attend seminars and conferences in India and Abroad. Special grants are provided by the University to teachers to undergo short duration training programmes in other countries.

Academic audit is conducted by Internal Quality Auditors for every six months and non-performance reports are submitted to the administration for its necessary corrective and preventive actions.

The University has signed MoUs with many Universities and Institutions in India and abroad resulting in teacher and student exchange programmes leading to research, skill upgradation and study programmes. Some of the MoUs are signed for organizing twinning programmes.

A State-wide Online Admissions Centre was started in the campus to conduct admissions into various courses on the basis of ranks obtained in EAMCET, ICET, LAW CET and Ed.CET.

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. Transparent process of admissions
2. Attracting meritorious students
3. The combination of students with different social and economic backgrounds (B.C., S.C., S.T., Minority and Differently abled), students from other countries and proportional representation of girl students.
4. Strictly adhering to rule of reservation in admission process
5. Well qualified and highly experienced teaching faculty
6. Differential approaches to support slow learners and advanced learners
7. Effective implementation of academic schedule and teaching plans
8. Focus on experiential learning and participative learning
9. Involving experts from industry and other research and academic institutions
10. Extensive use of ICT in teaching and learning beyond classrooms
11. Prevalence of student centric learning environment
12. Mentor and Mentee relationship
13. Continuous evaluation process and transparency in evaluation methods
14. Computerization of evaluation process
15. Grievance redressal mechanism for evaluation process
16. Evaluation by three examiners – one from within the state, one from outside the state and one from foreign country for Ph.D. theses evaluation
17. MoUs with Apnabox and Google apps to strengthen ICT applications in teaching-learning process
18. Focus on teacher development programs
19. Student participation in organizing academic programs



20. Student seminars, student events and contests, student participation in national level seminars and conferences and competitions to promote creative thinking and desired competencies.

3. Research, Consultancy and Extension

The University continues to give priority to encourage research. The following are the initiatives for promotion of research:

- The University facilitates funding to undertake research by faculty and research students under the provisions of TEQIP, PURSE, Industry sponsorship and other programs.
- All the faculty members, research scholars, students, retired employees, people from industry, scholars from other Universities, scientists from research institutions are given access to research facilities in the University.
- Flexible timings for opening and closing of research facilities.
- Faculty members, retired employees, scientists, etc., are permitted and encouraged to undertake research by collaborating with other research organizations.
- All the faculty members with doctoral degree are permitted to guide research.
- Departmental Research Committee at the department level, College Research Committee at the college level and Board of Research Studies at the University level take appropriate measures for promoting research and also maintaining quality standards in research.
- Each and every faculty identifies thrust areas of research to carry out focused research.
- In addition to academic departments there are 12 research centers established in the University with the financial support of various funding agencies.
- The University has developed central research facilities such as NMR Research Center, Analytical Research Lab and CAD CAM Center.
- The University accords recognition for research centers in affiliated colleges and encourage research by faculty and students of affiliated colleges.
- The University research forum conducts lecture and interactive sessions once in a week on various contemporary themes by involving researchers, experts and students.
- Research methodology workshops, training sessions on data analysis, workshops on statistical applications, orientation programs on advancements in research and expert lectures are organized to promote research competency and culture on the campus.
- Encouraging and providing funds to faculty to undergo advanced training in foreign countries.
- Deputing faculty under exchange programmes.
- Encouraging faculty to attend National and International Conferences.
- Institution of Best Researcher awards to deserving teachers.

The University depends mostly on public funding agencies and industrial and research organizations for financial support to undertake research projects. The funding agencies include UGC, AICTE, CSIR, DST, MHRD, DBT, Ministry of Earth Sciences, BARC, ISRO, TEQIP, ICSSR, NRB, DRDO, NSTL, NTPC, RINL, ONGC, Geological Survey of India, Indian Institute of Geo-magnetism, Survey of India, Ministry of Statistics and Planning, Visakhapatnam Port Trust, TCS, IBM, Ministry of Steel, ICMR, APCOST,



MOEN&F, DOD, INCOIS, NIOT, ICPR, ICHR, DAE, MOES, TWD-TCR&TI ASU and MoEF. Many departments are receiving assistance under DST-FIST, UGC-SAP, UGC-ASIHSS and COSIST programs.

During the assessment period, the University got financial assistance from various agencies to the tune of Rs.76,87,47,069/- to undertake 358 projects in different disciplines.

The University has developed research infrastructure in all departments and research centers with the support of funding agencies and industrial organizations. The faculty members are encouraged to submit project proposals for financial support. As a result of motivation, the majority of faculty members got Major Research Projects supported by National and International organizations. Department of Zoology and College of Pharmaceutical Sciences got MHIRT Programme-V funded by ASU, (USA), and another Project 'Research- Technological Development and demonstration funded by IRSES (European Project). Some researchers got patents for their research output and many others have applied for patents. Based on the research outcome of the University during the last five years, the Department of Science and Technology, Government of India awarded second phase PURSE Program. The DST has identified Andhra University as one of the 14 performing Institutions in terms of research contributions. The H-Index based on Scopus of the University stands at 41.

International Society for space research in Asia Pacific has recognized the University for Academic Standards and sponsored four M.Tech. programs. This is the only University in India selected for this programme. Career 360 magazine in its rating to various Universities and Institutions in the country awarded 5 star category to the University based on its contribution to research. Andhra University is one of the ten Universities in India to secure this recognition. Considering all its credits, the former Prime Minister Dr. Manmohan Singh described this University as 'Magnificent University'. It is worth mentioning that Current Science Magazine rated Andhra University at 6th position in respect of contributions of E-journals in the country and 8th position in Social Science research in the country. India Today ranked Andhra University at 10th position at the National level based on University Ranking Survey conducted by Nielsen in June, 2014.

Research programs leading to M.Phil. and Ph.D. are offered in all disciplines. The research students admitted are provided with hostel facilities, computer and internet facilities, etc. A good number of post doctoral fellows are also working in various departments. A number of research centers have been established to carry out focused research. The University library subscribes for a good number of research journals. The selection of the journals in each discipline is done in consultation with the concerned Head of the Department and faculty members.

The University has developed an official code of ethics to check malpractices and plagiarism in research. Interdepartmental and interdisciplinary research projects are widely undertaken. Many faculty members have received awards for their research contributions from Government, professional bodies and associations at National and International level. The University got 15 patents so far and awards on an average 350 Ph.D. Degrees every year. The number of books published and research articles published in peer reviewed journals with impact factor is significant in all faculties. The average number of books published in a year during assessment period was 12 and the average number of articles published in a year was 610. The faculty members and research scholars participated in a number of National and International seminars, conferences, workshops, symposia, and presented papers. The majority of the faculty members also served as resource persons, sessionals chairmen, keynote



speakers and special guests for many of the academic events such as National and International seminars, conferences, workshops and symposia.

The University entered into MoUs with Universities, Research Institutes, Industries, Hospitals, Commercial Organizations, Government Organizations and Non-Government Organizations in different areas like Student Training & Exchange, Faculty Training & Exchange, Trans-Disciplinary Research, Trans-National Research Projects, Consultancy and Extension Services.

The University is bringing out six academic journals in the following areas of specializations.

1. Andhra University of Journal of Humanities and Management
2. A.U. Advanced Journal of Sciences
3. Andhra University Journal of Law
4. A.U. Journal of Open and Distance Education
5. Journal of Applied Hydrology
6. Wisdom

In addition to encouraging research in the campus, steps are initiated to orient other institutions to take up research activity. The University has got a provision in the act to recognize any Institution of repute to carry out research leading to a Ph.D. Degree in any of the identified area. This is done by recognizing such institutes and leading industries after getting them assessed by appropriate inspection committees and getting the approval of the Executive Council of the University.

The Departments are involved in interdisciplinary research and many Memoranda of Understandings were signed at the department level in addition to those signed at the University level.

The University has developed network with industry, business, NGOs and Government organizations. Many academic departments take up consultancy works in the form of projects, training, advisory, counseling, design, and so on. The University has established a University Development Centre to coordinate consultancy services and to act as liaison between the University and the client.

The University has undertaken many extension activities during the assessment period. As mentioned already, the University extends higher education services through its School of Distance Education to thousands of people who cannot otherwise pursue higher education in regular mode. The N.S.S. and N.C.C. Units of the Andhra University are very active and taken up a number of programs of public interest. These two units have won National Awards for their excellent performance in extension activities. The academic departments are also actively involved in organizing extension programs. The Department of Yoga and Consciousness offers many short term programs for different sections of the society regularly to help them in keeping physically and mentally fit. The Department of Psychology and Parapsychology offers free counseling through its psychology clinic and is organizing a State wide campaign against AIDS and T.B. in collaboration with World Health Organization. The College of Pharmaceutical Sciences launched drug information and patient counseling in association with King George Hospital (the biggest hospital in North Coastal Andhra). The College of Law is providing free legal counseling and training on R.T.I. Act through its legal counseling cell. The Department of Commerce and Management Studies has organized training programs for entrepreneurship development for different prospective groups. The



department offers free counseling to budding entrepreneurs and micro and small scale entrepreneurs. The Department of Social Work, the Department of Sociology and the Department of Anthropology have undertaken training programs on life skills to rural and tribal population in and around Visakhapatnam. These departments have conducted many studies on tribal societies and taken up programs for their development.

The College of Engineering has organized vocational training programs for many conventional professional groups such as electricians, automobile mechanics, carpenters, tinsmiths, tailors, manufacturers of soaps, detergents and phenylene. The departments such as Mechanical Engineering, Metallurgical Engineering, Civil Engineering, Electrical Engineering, Chemical Engineering, Electronics and Communication Engineering and Computer Science Engineering are actively involved in organizing extension activities.

The Centre for Social Exclusion and Inclusive Studies has taken up a number of extension activities, organized workshops, seminars, training programs and skill development programs for the benefit of the deprived sections of the society. Dr. Durgabhai Deshmukh Centre for Women Studies has undertaken many training programs and organized many seminars for the benefit of different sections of women in the society. The SAARC Centre and the Academic Staff College of Andhra University have also taken up extension activities. The University organized Blood Donation Camps in association with many social organizations, eye testing and free treatment camps in association with T.S.R. Kalapeetam, free counseling camps for diabetics and so on.

The University provides access to the Central Library of the University for the outsiders also. The University has organized a Science and Technology Exhibition and provided access to school children, college students and general public. The students, faculty members and support staff actively participate in the extension programs organized by the University. The participation in extension programs by the students, faculty members and non-teaching staff is well recognized and rewarded by the University.

Extension activities constitute integral part of University policy. Andhra University, being the leader in offering higher education services, realizes its institutional social responsibility and initiates many programs as per the needs of the society through its academic and administrative departments. Many employees and students of the University take part in social service activities at the individual level.

4. Infrastructure and Learning Resources

Physical facilities:

The University has two campuses, the North Campus of 183 acres and the South Campus with 202 acres. Another 40 acres of land belonging to the University is situated in different locations in the city for ladies hostels, research centers, staff quarters, and some of the departments. The University has about 353 acres of land outside Visakhapatnam in the form of University Campuses in Vizianagaram, Kakinada and Tadepalligudem.

In addition to the campus colleges and PG Centers, the University has 551 colleges affiliated to it as on 1st April, 2014 with an enrolment of about two lakh students. These colleges include Education, Law, Pharmacy and Engineering in addition to the non-professional colleges. Further the School of Distance Education caters to the educational needs of the region.



The University has majestic buildings consisting of classrooms, waiting halls, rest rooms, lecture halls, seminar halls and laboratories in individual departments. The laboratories are equipped with modern gadgets and sophisticated equipment. The class rooms have provision to use audio-visual equipment.

The University has good sports facilities in the form of cricket grounds, running tracks, gymnasia, indoor stadium, volleyball and basket ball courts. The tennis complex is of international standard and many tennis tournaments are organized in the University.

The hostel blocks are provided with internet and sports facilities. Some rooms in the hostel are earmarked for recreation facilities and indoor games. The University always encouraged and ensured that lady students participate in sports activity. Many girl students won medals and prizes in many competitions.

The Health centre provides medical facilities to students, research scholars, teachers, non-teaching staff and retired employees. Round the clock emergency service is provided by the health centre and there is provision for inpatient care. Specialist services in Ophthalmology, ENT, Orthopedics, Dental Care and Dermatology are provided on specific days in a week. There is one Homeopathy clinic and one Naturopathy clinic provide services at free of cost to students and employees and their family members

Water purifying plants have been established to provide safe drinking water to students, employees and visitors. Underground cabling is done for electricity and telecommunications.

The physical facilities for academic departments, administrative departments, support services, sports, transport and cultural activities available in the University are shown in the following table:

Physical Infrastructure

Type of Buildings	Number of Buildings
Academic	69
Administrative & Supportive Services	15
Common Halls	9
Guest Houses	7
Hostel for Men	25
Hostels for Women	14
Staff Quarters	324
E-Class Rooms	15
Seminar Halls	85

**Support Services**

	5
Post Offices	2
Canteens	6
Parking Sites	84
Transportation	Free Transportation Facility is provided for lady students from Hostels to the Departments
Medical facilities	2 Hospitals with 24/7 Ambulance, Medical Lab, Operation Theatre, X-Ray Unit and Inpatient facility. Availability of Expert Doctors for Specialized Treatment. One Homeo Clinic with a qualified Doctor and Paramedical Staff. Free Medicine for all Students, Scholars and Staff. Medical Insurance to all Students.

Sports Infrastructure

Particulars	Number
Play Grounds	2
Cricket Fields	3
Tennis Courts	6
Volley ball courts	3
Basket ball courts	2
Gymnasium	2
Indoor Stadium	1
Yoga Centre	1
Dormitory for Players	1(40 bed)
Bowling Machine	1
Weight Training Hall	1

Infrastructure for Cultural Activities

Name of the Hall	Capacity
K.V. Gopalaswamy Open Air Auditorium	1000
Sri Cattamanchi Ramalinga Reddy Utsavarangam (A/C)	3000
Dr. Ambedkar Assembly Hall	600
Dr. Ambedkar Auditorium	250
T.L.N. Sabha Hall	250
Y.V.S. Murthy Auditorium	250
Meditation Hall	250

Library:

The University possesses a monumental library named Dr. V.S. Krishna Library. In addition to this library, the University has four more libraries working independently. These are (i) Engineering College Library, (ii) Law College Library and (iii) A Library attached to the Academic Staff College, (iv) Library in School of Distance Education. All the libraries attached to the various departments are under the aegis of Dr. V.S. Krishna Library.



Dr. V.S. Krishna Library has 60,000 sq. ft. (5574.18 sq. m.) of Carpet area. Besides, the work and stock areas, each section has seating and reading facility to enable the user to choose and refer to the books comfortably. All the rooms are spacious with good ventilation. According to the need and convenience one finds different seating arrangements. The seating arrangement is user friendly. To provide sufficient scope for optional interaction among the users a seminar/group discussion room is provided. At a time 500 users can be seated in the library. In addition to this 120 persons can sit and use computers in IT Zone. The library is kept open on all days in the year including Sundays and Saturdays except on national holidays and on days declared as holiday by the University. The library works in three shifts. The number of total printed books, back volumes and theses in the library is 5,00,000 as on 01-09-2014. The library provides access and use of 9425 e-books and e-journals to users. The library possesses a collection of rare and valuable 2663 manuscripts consisting of palm leaf and paper manuscripts. Significant among them are Commentaries on Vedavyasa's Bhagavad-Gita by Ramanujabhasya, Dhramashastra, Abajnanasakuntalvyakhya by Katyaverma, Andhravyakaranamu, original copy of the Constitution of India, signed by Members of parliament of the then Parliament. Manuscript collections are maintained and displayed in a separate Air Conditioned room with reading area.

The library collection is available through OPAC and INFLIBNET/IUC facility. Dr. V.S. Krishna Library acquired membership in first phase under UGC INFONET e-journals Consortium. The library is effectively using SOUL software. Special facilities are provided for differently abled persons. A separate unit of books in Braille has been developed for visually challenged students. Reprographic facilities are provided. The Library subscribes 425 National and International print journals and 9425 e-resources. A user friendly system is adopted in the library to promote optimal use. The feedback from the users is taken periodically and the problems of the users are addressed without losing time. The library conducts orientation programs to the users for better use of facilities and to maintain the library.

An internet browsing centre with eighty dedicated computers with 24 hour access has been made available to students, research scholars and staff. An exclusive cabin is provided for Foreign Students and a knowledge centre with 24 systems was created in the College of Engineering. In addition the Cyber lab with thirty systems in Arts College and a Computer Centre with forty systems is made available for staff, students and scholars.

The Engineering College Library situated in the north campus has a plinth area of 8,000 sq ft. (743.22 sq. m.) with a seating capacity of 150. The Engineering College Library has 40,000 volumes.

Dr. B.R. Ambedkar Law College situated in South Campus has a plinth area of 3400 sq. ft. (315.87 sq. m.) with a seating capacity of 61. The Law College Library has 13424 volumes. The plinth area of Academic Staff College Library is 1100 sq. ft. (102.19 sq. m.) with a seating capacity of 30 persons. The Academic Staff College has 7300 volumes.

The Library at School of Distance Education has a plinth area of 7000 sq. ft. with a seating capacity of 110. The library has 32000 volumes and 20 journals besides other facilities. In addition to the Central Library facilities at various campus colleges, each and every academic department and research centres maintains its own library to provide easy access to the students in specialized areas.

ICT infrastructure:



The University has developed ICT infrastructure significantly during the assessment period in support of teaching-learning process and University administration. The details of IT infrastructure both hardware and software are presented in the following table:

ICT Infrastructure

Name of the Facility	Number of Systems
Computer Centre	Cisco UCS chassis 5108 with two Cisco blade servers with fabric interconnect, EMC storage of 6 TB with secure remote control gateway client.
LAN Facility	Both wired and wireless LAN is available. Whole campus network is an optical fibre. For wireless connectivity the campus has Cisco 2504 wireless controller with 50 AP licenses, Cisco catalyst 4500 E-Series switch with controlling licensed software, catalyst 2960S 24 GigE, 4XSFP LAN Base, Cisco catalyst 3560X24 port data LAN Base.
Proprietary Software	Windows Linux Software, SPSS, MATLAB, Accounting package Tally, Software for Income Tax Filing, Semantic Antivirus, Kaspersky, Nod32, ANSYS CFD, Microsoft Campus Agreement
P.S.N.Raju Centre for Computing and Research, A U College of Engineering (A)	180
Browsing Centre, Dr. V.S. Krishna Library	84
Information Galaxy, AU College of Engineering for Women	61
Cyber Lab, AU College of Arts & Commerce	34
Centre for eRDN Training Division	30
Communication Lab, School of Distance Education	63
Cyber Lab School of Distance Education	70
Communication Lab, A U College of Engineering (A)	50
On-Line Examination Centre, AU College of Science & Technology	40
On-Line Examination Centre, AU College of Arts & Commerce	49
Browsing Centre, A.U. College of Engineering (A)	40
In addition to this, all departments and research centres are having 3300 computer systems with Internet facility. Many departments are having separate computer laboratories with required software	

The institution is connected with National Knowledge Network, Google apps and Apnabox for optimizing the utilization of the ICT infrastructure. Adequate provisions are made in the budget for purchase, up-gradation and maintenance of ICT infrastructure.



Andhra University Computer Centre was established in **1986** and was inaugurated by the then **Governor Smt. Kumud Ben Joshi**. The centre then had a glorified history in coastal districts as the one bearing the best computing and research facility. People from far off places used to utilize the central facility along with the students, scholars and staff of the campus colleges.

Andhra University campus is spread over 450 acres. The campus wide area network is for connecting the various departments /admin buildings. The core backbone employs single mode optical fiber connecting various departments. At certain places multi-mode fiber optic cable was used. At present the campus wide networking, IT service support and software development is being executed by Andhra University Computer Centre.

AUCC provides the following facilities and services:

- I. www.aucoe.info web site maintenance
- II. www.auvsp.edu.in mail services in Google cloud
- III. Anti-virus updates/installation in campus colleges
- IV. Network maintenance
- V. Internet connectivity and bandwidth, maintenance
- VI. Network security and authentication services
- VII. Student information/data maintenance
- VIII. Pre and post exam data processing
- IX. DD Cell computerization
- X. Dispatch of Pay slips online

AUCC is in the process of expanding its activities to provide assured unlimited campus connectivity to every nook and corner of the University. Over the last one year an enormous growth in network usage was observed in the campus with various changes and configurations in the critical parts of the network. Partially a few hostels were extended with wired and wireless network connectivity in addition to computers.

AUCC envisions

- To provide IT-related services to AU personnel
- To provide advice and consultancy for users in and outside AU on behalf of AU
- To provide systems development services to AU users
- To create and maintain IT standards and procedures
- To provide IT acquisition services to AU users
- To keep and protect IT and data assets of AU
- To ensure that the organization has adequate/advanced IT progress, which is in line with the organization's vision
- To ensure that services provided are meeting with AU users' requirements

AUNET is about 10 years old with a bandwidth of 10/100Mbps and the buildings had unmanaged switches. In 2013, the scope of the project was to upgrade a few points from 100Mbps to Gigabit network. This helped us enable our University to leverage on the new technologies and ensure higher level of services. A few sections are made Wi-Fi enabled to enable laptops and mobile phones to get connected to the net. The Andhra University Network Project is divided into phases. The first phase of the Network Upgradation Started in the 2013. This project consists of Changing the Bandwidth from 100 Mbps to 1Gbps Gigabit Ethernet with a Facility of Central Servers with Storage. In the Phase I the design is extended, the central connectivity of fiber cables from Old Computer Centre to the New Computer



Centre and upgraded the old Network to Cisco Gigabit Ethernet Network. The Scope has been extended to Twelve Buildings and Changed the old Switches from 100Mb Ethernet to Gigabit Ethernet. This will help the University to leverage on the new technologies and ensure a higher level of services. Some of the Departments are connected with Wi-Fi LAN connectivity for Mobile Users and the Installation of New Cisco UCS with Two Blade Servers and EMC with 8 TB Data Storage to access the data centrally.

Maintenance:

In order to maintain the infrastructure facilities of the University, adequate budgetary provisions are made. To maintain I.T. infrastructure, the University entered into A.M.C. with the respective companies/distributors.

5. Student Support and Progression

Student support is the basic philosophy of Andhra University. As such student support services are accorded high priority. There are many independent institutional set up for different support services such as two hospitals under the leadership of University Medical Officer for health care services, seven Chief Wardens supported by many Wardens to manage hostels for comfortable stay and boarding, office of Dean, Transport to provide transport services, the office of the University Chief Engineer to facilitate water supply, civil works and maintenance, the office of the Executive Engineer (Electrical) to provide uninterrupted supply of electricity, office of the Dean, Sanitary and Security, Department of Physical Education to organize sports related events, office of the Dean of Cultural Affairs, office of the Dean of Student Affairs, N.S.S., N.C.C., office of the Employment Information and Guidance Bureau, Placement Cells, Dean of International Affairs, Coordinators of S.C., S.T., B.C., Minority study circles and many more fully engaged to deliver required services to the students.

Out of the total, 80% of the students take scholarships/fellowships from State Government and Central Government organizations. Financial support is also extended to the students by alumni of the University in different departments and philanthropists. The students are provided pre-placement training, career counseling, soft skills, entrepreneurial skills, life skills, coaching for competitive examinations, training on research skills on regular basis. Students are getting qualified in CSIR (NET), GATE and CAT. Most of the Engineering and Pharmacy students are appearing for GRE and TOEFL examinations and getting admissions into M. S. Courses Abroad.

All information related to programs, facilities, opportunities is provided on the University website. Special brochures are circulated by each of the Campus Colleges, Hostels, International Student Affairs, School of Distance Education and Physical Education to the students with all required information.

In order to encourage student participation in sports and extracurricular activities and to ensure that every student participates in such activities the University has made it mandatory for every student to participate at-least for 80 hours in a year in the activity of his/her choice. To facilitate this activity the University appointed part-time Coaches in different specializations like Boxing, Lawn Tennis, Cricket, Volleyball, Football and so on. Lady Coaches are appointed to encourage girl students to participate in sports and other activities.

Each of the Campus Colleges of the University has a separate placement cell with a placement officer to guide the students. Primarily each cell gathers information regarding various industries and companies which offer jobs relevant to the specializations belonging to



individual departments of the college. The Placement Cells organize pre-placement training and campus placements. As a result of the efficient performance of the Placement Cells the students of A.U. College of Engineering and A.U. College of Engineering for Women are getting 90% placement consistently for the last several years. The College of Science and Technology is providing placement to 60% students through campus selections. The College of Arts and Commerce is providing placement to 40% students through campus selections. The College of Law is providing placement to 30% students through campus selections. The College of Pharmaceutical Sciences is providing placement to 70% students through campus selections.

The office of the Dean of Student Affairs takes preventive measures to arrest ragging in the campus. As a result of systematic preventive measures involving students, parents, faculty members, police personnel, judiciary and other stakeholders, not even a single case of ragging is reported in the campus during the last five years. The Andhra University is recognized as a ragging free campus.

The student grievances are addressed very quickly through a grievance redressal mechanism developed in the University. There are absolutely no incidents of student agitations in the campus for several years which stand as testimony for speedy and effective disposal of student grievances. There is a separate cell established to look after the sexual harassment cases and to suggest measures for prevention of sexual harassment. An independent mechanism is there to address grievances related to examinations.

The alumni of the University have been supporting the students in many forms. Many of the departments have registered alumni associations. The University alumni association under the leadership of Dr. V.S.Raju, former Director, I.I.T., Delhi has initiated many developmental proposals to promote Andhra University as a model university in the country. Alumni are contributing in a good proportion for the development of the University. The alumni extend financial support to the development of infrastructure and equipping laboratories. Some of the industrialists are offering placements to the students graduating from the University. Further, the alumni regularly interact, motivate, guide, encourage and help the students to shape their careers.

The University has brought out a Student Charter based on guidelines of NAAC describing the rights and responsibilities of students. All the facilities to differently-abled students, as per the rules and regulations and guidelines of the Central and State Governments, have been extended by the University.

Separate Cell for Equal Opportunities for Women has been established in the University. The cell mainly concentrates on counseling of women students who are new to professional study, environment and take stock of the grievances of students and employees.

Almost all the faculty members of the University participate in academic and personal counseling. In every department a small group of students are attached to each teacher for counseling. To foster leadership qualities among students, they are involved in managing the activities of the department and encouraged to participate and organize conferences, seminars, workshops and symposia. Students are also encouraged to organize student managed forums.

The progress of the students is monitored by the Departmental Committee of each and every academic department. The Committee meets frequently and discusses issues related to student progression based on data and information. As the University is the highly preferred institution, the student dropout rates are at the lowest or nil in all the departments.



The pass percentage is consistently impressive. The majority of the research students complete their Ph.D./M.Phil. work within the stipulated time frame. The majority of the students find placements either on campus or off the campus after completing the courses in the University. Some of the students become entrepreneurs and some of them pursue further studies. The institution has a successful track record of students appearing and qualifying in competitive examinations.

The University not only encourages students to participate in co-curricular and extra-curricular activities but also provides representation in policy making bodies such as Academic Senate and Boards of Studies. Individual departments as well as campus colleges publish wall magazines, college magazines and placement brochures.

6. Governance, Leadership and Management

The University has the good fortune of having distinguished persons as its Vice-Chancellors who laid very strong foundations to the institution in its formative years. These visionaries left no stone unturned in making the institution one of the best in the country in teaching and research. Dr. C.R.Reddy served as Vice-Chancellor of the University for 18 years and Dr. Sarvepalli Radhakrishnan was the second Vice-Chancellor and served for five years. Later Dr. V.S. Krishna administered the University for 12 years till he became UGC Chairman in 1961. The other Vice-Chancellors in succession are: Dr. A.L.Narayana, Prof. K.R.Srinivasa Iyengar, Sri L.Bullayya, Sri M.R. Appa Rao, Justice A.Sambasiva Rao, Prof. K.Ramakrishna Rao, Prof. K.V. Ramana, Dr. M.Gopalakrishna Reddy, Prof. R.Radhakrishna, Prof. Y.C.Simhadri, Prof. L.Venugopala Reddy, Prof. Beela Satyanarayana and followed by the present Vice-chancellor, Prof. G.S.N.Raju.

The Executive Council, Academic Senate, Boards of Studies, Equivalency Board, Finance Committee, Board of Research Studies, Departmental Committee, Departmental Research Committee, Code Committee, Sites and Buildings Committee, Publications Committee, Examinations Committee, Disciplinary Committee and Malpractice Committee are the statutory bodies involved in the administration of the University.

The Chancellor, the Vice-Chancellor, the Rector, Principals of Colleges, Registrar, Special Officers of the P.G. Campuses, Finance Officer, Dean of Academic Affairs, Dean of College Development Council, Dean of Examinations (Professional and P.G.), Dean of Examinations (UG), Dean of Student Affairs, and Coordinator, UGC, are the key officers of the University.

The vision, mission and goals of the institution are clearly defined and communicated to all departments and employees of the University. The basic principle of governance is decentralization and empowering employees to perform efficiently. The policies and procedures are formulated in such a way that inter-departmental conflicts and role conflicts do not arise. The University formulated strategic plan and the plan is implemented effectively. Management review meetings are conducted frequently to assess the performance of various departments on various parameters and to take appropriate measures for further improvement. The Heads of the Departments at the departmental level, Directors for Research Centres, and Principals at the college level provide desired leadership to the units. The Vice-Chancellor, Rector, Registrar, Deans, Coordinators and other officers provide leadership at the apex level. A quality management system has been designed and implemented. The decisions are taken based on data and reports.

The University has a well defined quality policy which reads thus:



The Andhra University is committed to achieving excellence in teaching, research and consultancy:

- by imparting globally focused education
- by creating world class professionals
- by establishing synergic relationships with industry and society
- by developing state of art infrastructure and well-endowed faculty
- by imparting knowledge through team work and incessant efforts.

The University has highly experienced and well qualified teaching faculty. In fact the core strength of the University is its teaching faculty. The faculty recruitment and selection is done as per U.G.C. and State Government guidelines. The faculty members are empowered to take up academic and research activities. The performance of the faculty members is assessed periodically. The teaching and non-teaching staff are encouraged to enhance their competencies. Adequate infrastructure and support is provided to the employees for further improvement of their competencies and performances.

Budgeted provisions are made for academic and administrative activities and the funds are utilized optimally. A well defined financial management system takes care of institutions financial health. The accounts are audited by the government audit. In addition to the financial support given by the Government, the University mobilizes finances through internal resources. The share of internal resources in the budget is more than 40%.

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 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. 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. The feedback and the suggestions of all stakeholders are given due importance in the governance. The Planning, Monitoring and Evaluation Board of the University review the progress and performance of various functional divisions and develop plans for the future.

The affiliated colleges are provided the right kind of academic leadership by the University. The University nominee will be there in the Governing Body of each and every college. The activities of the colleges and the performance are reviewed by the office of the Dean of College Development Council. Seminars, Workshops, Meetings and Training Programs are organized on need basis to guide the affiliated colleges towards enhancement of quality in offering higher education services.

7. Innovative Practices

In the entire city of Visakhapatnam, Andhra University Campus is conspicuous by its presence with greenery. The entire campus is full of lush green flora. The University follows eco-friendly policies. The following are the initiatives taken up by the University to promote environmental consciousness in the Campus:

1. Vehicle Free Campus Day once in a month
2. Plantation of trees by involving students, faculty members, non-teaching staff and parents



3. Green campaign by organizing events such as National and International Seminars on contemporary themes, poster campaigns, elocution competitions, exhibitions and rallies.
4. Rain water harvesting
5. Smoke free and noise free campus
6. Quick disposal of waste materials particularly e-waste
7. Reduced use of paper for office processes through e-communications
8. Conversion of waste into compost manures

The University has initiated the following innovative practices and an overwhelming response has been received from all stakeholders.

1. **Introduction of Five day week:** The campus has its working days from Monday to Friday. As a result of it the students are having one and half hours additional contact time with the faculty. This also provides wider scope for slow learners and fast learners to have more academic inputs in their learning process. In addition to this, teachers and research scholars have sufficient time for research and development. This also avoids fuel and energy wastage.
2. **Vehicle free campus on 28th day of every month:** The University adopted the innovative practice of maintaining vehicle free zone on every 28th day of the month to promote consciousness among students, employees and visitors on environmental protection and to save fuel and energy.
3. **Introduction of Audit course on ethics and values:** The University made it compulsory to the students admitted in the academic year 2013-14 onwards to attend an audit course on ethics and values with two credits.
4. **Introduction of Audit course on sports, NCC and NSS:** The University made it compulsory for students admitted during 2013-14 to attend an audit course on sports, NCC and NSS with two credits of 80 hrs duration.
5. **Computerized pre and post examination processing:** A computer section for pre and post examination processing is established for efficient and speedy processing of examination schedules and announcement of results. The on-line examination application forms, on-line issue of hall tickets, on-line publishing of results have increased the efficiency of the evaluation process.
6. **Introduction of Wi-Fi facility in the campus:** The University is providing Wi-Fi facility to all its students and faculty in the campus and hostels. The University acquired two high-end servers.
7. **APNA BOX:** The University entered a MoU with APNA BOX to provide effective interactive teaching to its students. All faculty members are well trained for utilizing APNA BOX as an instrument for effective teaching.
8. **Memoranda of Understanding:** To develop relationships for mutual benefit, the University so far entered into MoUs and established linkages with more than 60 organizations of International repute. They include Research Institutions, Foreign Universities, Government Organizations and Non-Government Organizations.
9. **IQAC:** The Internal Quality Assurance Cell has been strengthened to ensure quality sustenance in the University and to ensure stake holders connected with higher education, namely parents, teachers, would be employers, funding agencies and society in general, of its own quality and probity.



10. **ISO Certification:** One of the prestigious achievements of the University in 2013 is to get recertification of ISO 9001:2008, which is valid for 3 years. The Quality Manual has been revised and circulated to all the departments. A team of 28 Internal Quality Auditors have been trained and with their help Internal Audit was conducted for all the academic departments. The faculty members are giving consultancy and advice for other institutions to institutionalize the QMS.
11. **Quality Objectives:** Quality objectives are set for every department and targets are fixed for the next academic year to enable the departments to mobilize resources towards focused growth.
12. **Performance Evaluation:** For the academic departments and individual faculty members, performance indicators have been developed and the performance is assessed periodically.
13. **Feedback:** Feedback from students on faculty performance, usefulness of the curriculum, infrastructure, administration and support services has been taken to identify service failures and deficiencies and to take appropriate corrective and preventive measures. Feedback is also taken from employees, parents, retired teachers, supporting staff and alumni of the University.
14. **Internal Audit:** Periodic audit is conducted in all departments by qualified internal auditors. The audit reports are discussed at length at the review meetings of the administration to take up corrective and preventive measures.
15. **Student Charter:** The prime aim of the University is to see that every student has equal access to competent and qualitative teaching which leads to vibrant academic, social and personal growth on the campus and off the campus. For this purpose, the University adopted a Student Charter which reflects the goals and commitment of the University and the responsibilities of the students to improve the University environment by upholding its values.
16. **Dial Your University:** In order to have a continued interaction with stakeholders of the University, the University has introduced a program called Dial Your University. The Vice-Chancellor along with other officials of the University will be available online, for the public, on every Saturday to interact and provide information on the courses offered, fee details, examination schedules, academic calendar and clarify their doubts.
17. **University Adalat:** It has been constituted to settle the internal disputes within the University Campus and is organized on every 3rd Saturday in the Law College.
18. **Earn while learn programme:** This programme has been introduced in the University Library. Under this programme, the University students from different constituent colleges are assigned some work in the library during their leisure time, after the study hours.
19. **Alumni Associations:** The Heads of the Departments are requested to promote alumni associations and every department has started a separate Alumni Association at the Department level and registered the same under the Cooperative Societies Registration Act.
20. **Campus networking:** In order to strengthen the applications of information and communication technology in academics, research and administration, the University has taken up campus networking project and completed it successfully.



21. **Nomination of Representatives from industry in PG Board of Studies:** To bridge the gap between expectations from the industry and the perception of the academicians, the University has decided to nominate two members from Industry to each PG Board of Studies.
22. **Management Review Meetings:** Monthly Management Review Meetings are conducted by the IQAC involving Principals of Campus Colleges and Heads of all Academic Departments with Vice-Chancellor in chair.
23. **Grievance Redressal Mechanism:** To resolve the grievances internally. The University has established one Grievance Redressal Cell for students on general issues, one Grievance Cell to handle the grievances of girls including sexual harassment and one Grievance Redressal Cell to resolve examination related grievances.
24. **Quality Campaign in Affiliated Colleges:** To promote quality consciousness in affiliated colleges, the IQAC directed all the affiliated colleges to establish Quality Assurance Cell and to nominate a Quality Assurance Officer. The IQAC in association with some affiliated colleges organized five workshops on Quality Themes in each district of Andhra University region.
25. **Orientation Programme for Placement Officers and Student advisors:** The University has taken up initiatives to promote placement activity. Placement officers have been appointed for all campus colleges and PG Centers. An orientation programme for placement officers and student advisors was organized. As a result of these efforts, the campus recruitment has improved significantly.
26. **Teaching Plans:** All the Heads of the Departments are developing subject wise teaching plans in coordination with the faculty.
27. **Activity Diary:** In order to generate a record of daily activities at the department level, an Activity Diary is provided to the departments. The Heads of the Departments / Directors / Coordinators are supposed to fill the columns of the Activity Diary every day and sign at the end of the day.
28. **Examination (Tatkal scheme):** Andhra University has introduced Tatkal Scheme for the issue of certificates, on the same day, to the degree holders on payment of special fees.
29. **Manuscript Preservation and conservation:** The University has taken measures for preservation of invaluable manuscripts through chemical process in order to provide an opportunity to the young generation to get exposure to the monumental works.
30. **Nomination of Non-Teaching Staff and Students to Academic Senate:** In order to provide place to all stakeholders of the University in policy making bodies the University nominated two members from Non-Teaching Staff and six top ranker students to the Academic Senate (the Apex Academic Body of the University).
31. **Orientation/Motivation classes for NTS (Supporting Staff):** The University organized several orientation and training programs for the Non-Teaching Staff of the University. During the last five years 700 Non-Teaching Staff members were given training.
32. **Finishing Schools:** In order to prepare the students with required competencies for the job market the University is organizing finishing school programs to the students by involving trainers and executives from industry.



33. **Recognizing research centers outside the University:** To promote research in affiliated colleges and to provide greater access to the students to pursue research, the University recognized research centres at various affiliated colleges after careful review of the facilities and resources available at the college for carrying out research.
34. **Quality consultancy to affiliated colleges:** The University is offering free consultancy to the affiliated colleges for the introduction of quality initiatives and promotion of quality standards.

BEST PRACTICES:

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

Andhra University is committed to achieving excellence in teaching, research and consultancy by imparting globally focused education, by creating world class professionals, by establishing synergic relationships with industry and society, by developing state of art infrastructure and well-endowed faculty, by imparting knowledge through team work and incessant efforts. The focus is to promote values and ethics and to contribute knowledgeable skilled competent citizens with integrity and leadership skills. The University has taken the support of all the stakeholders in its endeavour to realize its vision and mission.