

The Annual Quality Assurance Report (AQAR) of the IQAC

(July 1, 2012 to June 30, 2013)

Part – A

I. 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.S.N.RAJU

Tel. No. with STD Code:

0891- 2844222

Mobile:

944077793

Name of the IQAC Co-ordinator:

Prof.G.M.J.RAJU

Mobile:

9866017067

IQAC e-mail address:

coordinator.iqac@auvsp.edu.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

APUNGN10055

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/PCRAR/46/10 dated 16-09-2008

1.5 Website address:

www.andhrauniveristy.edu.in

Web-link of the AQAR:

http://www.andhrauniversity.edu.in/iqac/aqar/aqar2012-13.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A		2002	2008
2	2 nd Cycle	A	3.65	2008	2014

1.7 Date of Establishment of IQAC :

11-07-2005

1.8 AQAR for the year

2012 - 13

1.9 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

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

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

Type of Institution Co-education Men Women
 Urban Rural Tribal
 Financial Status Grant-in-aid UGC 2(f) UGC 12B
 Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)
 TEI (Edu) Engineering Health Science Management
 Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

1.13 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

UGC-CE

UGC-Special Assistance Programme

DST-FIST

UGC-Innovative PG programmes

Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

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

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

Total Nos.	<input type="text" value="4"/>	International	<input type="text" value="0"/>	National	<input type="text" value="0"/>	State	<input type="text" value="2"/>	Institution Level	<input type="text" value="2"/>
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(ii) Themes

1. Sustaining quality in Higher Education through QMS
2. Global competences and curriculum design – A proactive Approach
3. Ethics, Values and Employability
4. Teaching, learning and evaluation through computerization

2.14 Significant Activities and contributions made by IQAC

Andhra University IQAC has formulated the academic calendar for IQAC activities and approved through IQAC advisory Board meeting. It has conducted two internal audit and one surveillance audit by external agency. The IQAC conducted 2 Management review meeting with Rector, Registrar, Principals, Deans, Officers, Heads of the department and faculty chairmen. It has organized four workshops/training programmes for propagating quality in the university. It has also collected feedback from students, employees, parents and alumni. The collected feedback was analyzed and placed before management committee. It also collected faculty and department self evaluation reports and analyzed them. The IQAC has actively participated in activating the supportive departments such as office of dean student affairs, office of dean cultural activities, Training and placement cells and other institutions to organize student development programmes and community development programmes.

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 4 workshops for faculty and students in quality enhancement, ethics, values and employability	Four workshops were conducted. In each nearly 150 faculty and 300 students participated. Eminent personalities have delivered the lectures.
To conduct 2 internal audits and one surveillance audit by external agency	2 internal audits were conducted by 25 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 9001:2008 recertification was received.
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 Collect self evaluation report from faculty and department evaluation report.	The Self evaluation reports from all faculties are collected and analyzed. The consolidated report is placed before the management and communicated back to the faculty. The department evaluation reports from each department is collected and analyzed.

To encourage meritorious faculty, employees and students through distribution of awards, prizes and certificates by University.	The Prof. Sarvepalli Radhakrishnan Best Academician Award was given to 6 faculty members. Another 6 Faculty members were awarded Best Researcher Awards. 3 faculty members were nominated for best teacher award given by the state government. The University has given best employees awards to the non-teaching staff. The meritorious students were given gold medals, prizes and cash awards in the convocation.
To conduct quality awareness campaigns in the affiliated colleges	The University has conducted periodic meeting with affiliated college managements, principals and faculty. Each college is advised to formulate IQAC cell in the college with a nodal officer.
To introduce and continue best quality initiatives	The University has introduced five new quality initiatives and continuing 36 existing quality initiatives effectively

** Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

The IQAR was placed in MRM and AU Academic Senate meeting along with the Annual report and it was approved. The MRM and Academic Senate appreciated the activities done by IQAC.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	57	1	-	58
PG	112	3	-	112
UG	19	-	-	19
PG Diploma	10	-	10	10
Advanced Diploma	-	-	-	-
Diploma	3	-	3	3
Certificate	3	-	3	3
Duel	15	1	16	16
Twinning	9	-	-	-
Total	228	5	32	221
Interdisciplinary	12	3	12	12
Innovative	12	3	12	12

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

Pattern	Number of programmes
Semester	All Programs
Trimester	-
Annual	-

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

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

**Please provide an analysis of the feedback in the Annexure*

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

Yes, In many departments the curriculum is revised or updated by incorporating trust areas to enhance employability. The new development in those disciplines is included in the curriculum.

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

Yes, four new departments are introduced in this year. They are music dance, journalism and mass communication and physical education

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
436	92	83	261	38

2.2 No. of permanent faculty with Ph.D.

361

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
-	272	-	150	-	119	204	-	204	541

2.4 No. of Guest and Visiting faculty and Temporary faculty

228

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	14	424	6
Presented papers	14	386	6
Resource Persons	8	132	6

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

To bring homogeneity among the diversified categories of students, 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 organizational 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.

2.7 Total No. of actual teaching days during this academic year 210

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

- Double valuation
- Photo coping facility
- Computerized midterm examinations
- Computerized pre and post examination processes

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 386

2.10 Average percentage of attendance of students 88%

2.11 Course/Programme wise distribution of pass percentage :

S. No	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
1.	B.Arch.	40	20	60	10		90
2.	B.Tech. Bio-Technology	20	22	61	8		91
3.	B.Tech. Chemical Engineering	40	24	61	7		92
4.	B.Tech. Chemical Engineering With Ceramic Technology as Elective	10	20	60	6		86
5.	B.Tech. Chemical Engineering with Petroleum Engineering Elective	10	23	63	6		92
6.	B.E. Civil Engineering	30	19	58	10		87
7.	B.E. Civil Engineering with Environmental Engineering Elective	10	18	57	12		87
8.	B.Tech. Computer Science & Engineering	25	36	54	6		91
9.	B.E. Electronics & Communication Engineering	26	34	55	5		90

10.	B.E. Electrical & Electronics Engineering	30	26	54	5		85
11.	B.E. Geo-Informatics	30	24	55	6		85
12.	B.Tech. Instrumentation Engineering	30	20	57	4		81
13.	B.E. Mechanical Engineering	30	25	55	5		85
14.	B.E. Metallurgical Engineering	30	25	60	6		91
15.	B.E. Naval Architecture & Marine Engineering	30	20	59	7		86
16.	B.Pharm.	40	15	60	15		90
17.	L.L.B	60	5	45	20	7	77
18.	B.Ed	25	16	46	18	6	86
19.	B.F.A	30	8	60	22	5	95
20.	B.E. Aircraft Engineering	30	10	64	15		89
21.	B.E. Electro Mechanical Engineering	30	8	59	11		78
22.	M.S. Molecular Biology & Biotechnology (Kansas State University, USA)	30	9	61	15	6	91
23.	M.S. Software Engineering (Blekinge Institute of Technology, Sweden)	30	8	60	18		86
24.	M.S. Signal Processing (Blekinge Institute of Technology, Sweden)	30	10	60	12		82
25.	M.B.A. (Alcorn State University, Mississippi)	30	12	59	21		92
26.	B.S. Hotel, Restaurant and Institutional Management (HRIM) University of Delaware, Delaware)	30	8	55	12	10	85
27.	Geology (B.Sc. +M.Sc.)	30	12	55	10	5	82
28.	Applied Chemistry (B.Sc. +M.Sc.)	30	9	58	11	8	86
29.	Economics (B.A + M.S)	20	4	56	11	9	80
30.	M.Com.	60	7	53	15	7	82
31.	M.S. Economics	30	6	55	14	8	83
32.	M.A. Economics	60	4	59	16	10	89
33.	M.A. Applied Economics	30	5	60	18	9	92
34.	M.A. Adult Education	20	4	58	14	15	91
35.	M.A. English	50	6	55	19	12	92
36.	M.A. Hindi.	50	8	50	25	8	91
37.	M.A. History	50	5	58	7	15	85

38.	M.A. Ancient History & Archaeology	20	7	56	5	14	82
39.	M.H.R.M.	50	3	59	9	12	83
40.	M.A. H.R.D.	20	7	55	7	11	80
41.	M.J.M.C.	30	4	57	11	13	85
42.	M.L.I.Sc.	40	7	60	10	16	93
43.	M.Ed*	35	3	67	10	12	92
44.	M.Ed. , I.A.S.E.,A.U.	35	4	68	12	9	93
45.	M.A. Philosophy	30	3	57	12	11	83
46.	M.A. Politics	50	4	61	12	8	85
47.	M.A. Public Administration	50	2	54	14	10	80
48.	M.A. Psychology	24	1	55	14	12	82
49.	M.A. Sanskrit	20	9	56	9	15	89
50.	M.A. Social Work	50	3	62	5	8	78
51.	M.A. Anthropology	12	5	65	4	12	86
52.	M.Sc. Anthropology	12	7	51	19	11	88
53.	M.A. Sociology	30	2	59	12	14	87
54.	M.A. Telugu	60	6	55	18	15	94
55.	M.P.Ed.	30	6	60	12	15	93
56.	M.A.Music	10	5	61	10	9	85
57.	M.A. Dance	10	1	55	15	18	89
58.	M.Sc. Biochemistry	30	21	52	15		88
59.	M.Sc. Biotechnology	30	20	61	9		90
60.	M.Sc. Agricultural Biotechnology	24	21	63	8		92
61.	M.Sc. Environmental Sciences	24	20	62	10		92
62.	M.Sc. Botany	62	20	63	8		91
63.	M.Sc. Horticulture and Landscape Management	20	16	65	12		93
64.	M.Sc. Analytical Chemistry	18	20	63	8		91
65.	M.Sc. Bioinorganic Chemistry	10	24	55	7		86
66.	M.Sc. Foods, Drugs & Water	12	24	58	9		91
67.	M.Sc. Environmental Chemistry	10	28	50	14		92
68.	M.Sc. Inorganic Chemistry	12	18	61	13		92
69.	M.Sc. Marine Chemistry	06	18	59	11		88
70.	M.Sc. Nuclear Chemistry	08	14	59	10		83
71.	M.Sc. Organic Chemistry	18	16	61	12		89
72.	M.Sc. Physical Chemistry	20	20	57	14		91
73.	M.Sc. Applied Chemistry	30	20	59	13		92

74.	M.Sc. Computer Science & Statistics	20	21	61	9		91
75.	M.Sc. (Tech.) Electronics & Instrumentation (Electronics Stream)	30	14	58	11		83
76.	M.Sc. (Tech.) DSP&ESD	60	20	57	10		87
77.	M.Sc. Geography - B.Sc. stream	16	20	59	11		90
78.	M.A. Geography - B.A. stream	16	16	58	12		86
79.	M.Sc. Geology	30	18	59	12		89
80.	M.S Geology	30	20	59	11		90
81.	M.Sc. Marine Geology	26	18	56	13		87
82.	M.Sc. Human Genetics	30	22	58	10		90
83.	M.Sc. Marine Biology and Fisheries	16	22	59	9		90
84.	M.Sc. Coastal aquaculture and marine biotechnology	17	19	57	11		87
85.	M.Sc. Marine Biotechnology	16	15	58	14		87
86.	M.Sc. Applied Mathematics	40	19	61	13		93
87.	M.A./M.Sc. Mathematics	80	21	58	11		90
88.	M.Sc. Microbiology	36	25	54	8		87
89.	M.Sc. Physics	68	22	53	9		84
90.	M.Sc. Space Physics	10	20	55	11		86
91.	M.Sc. (Tech.) Electronics & Instrumentation (Physics stream)	16	22	57	13		92
92.	M.Sc. Nuclear Physics	34	18	59	12		89
93.	M.Sc. Meteorology	21	20	57	10		87
94.	M.Sc. Physical Oceanography	21	18	59	13		90
95.	M.Sc.(Tech.) Geophysics	44	18	61	14		93
96.	M.Sc. Marine Geophysics	16	21	59	15		95
97.	M.Sc. Hydrology	16	18	62	13		93
98.	M.Sc. Statistics	40	21	59	12		92
99.	M.Sc. Zoology	54	19	58	11		88
100.	M.Sc. Fishery Science	36	22	60	13		95
101.	M.Sc. Computer Science	30	21	63	10		94
102.	M.Tech. Atmospheric Sciences	15	18	59	8		85
103.	M.Tech. Oceanic Sciences	15	16	56	13		85
104.	M.Tech. Petroleum Exploration	28	19	58	11		88

105.	M.Tech (Chemical Engineering)	25	24	60	4		88
106.	M.Tech(Mineral Process Engineering)	18	17	61	11		89
107.	M.Tech (Biotechnology)	18	27	61	6		94
108.	M.Tech(Industrial Pollution Control Engineering)	18	11	62	6		89
109.	M.Tech (Computer Aided Chemical Engineering)	18	17	61	6		94
110.	M.E. (Structural Engineering)	18	17	61	11		89
111.	M.E. (Environmental Engineering & Management)	18	22	66	6		94
112.	M.E. (Hydraulics, Coastal & Harbour Engineering)	18	17	61	11		89
113.	M.E. (Soil Mechanics & Foundation Engineering)	18	22	61	6		89
114.	M.E. (Structural Engineering & Natural Disaster Management)	18	27	61	6		94
115.	M.E.(Power Systems & Automation)	18	11	62	11		84
116.	M.E.(Control Systems)	18	11	62	11		84
117.	M.E. (Industrial Engineering)	18	17	66	6		89
118.	M.E.(Machine Design)	18	17	66	6		89
119.	M.E.(Heat transfer in Energy System)	18	22	66	6		94
120.	M.Tech. (Geo Engineering)	12	17	63	11		91
121.	M.Tech (Remote Sensing)	18	22	56	11		89
122.	M.E (Marine Engineering & Mechanical Handling)	18	22	61	6		89
123.	M.Tech(Radar & Microwave Engineering)	18	17	56	11		84
124.	M.Tech (VLSE)	18	17	56	11		84
125.	M.E. (Electronic Instrumentation)	18	17	66	6		89
126.	M.E.(Bio-Medical Engineering)	18	17	66	6		89
127.	M.Tech. (Instrumentation Engineering)	18	22	66	6		94
128.	M.E. (Industrial Metallurgy)	18	27	61	6		94

129.	M.Tech.(Computer Science & Technology)	18	27	67	0		94
130.	M.Tech (Computer Science & Technology with AI & Robotics)	18	22	61	6		89
131.	M.Tech (Computer Science & Technology with Computer Networks)	18	27	56	6		89
132.	M.Tech (Computer Science & Technology with Bio Informatics)	18	22	61	6		89
133.	M.Tech(Information Technology)	18	27	57	0		84
134.	M.Tech(Nano Technology)	18	22	61	6		89
135.	M.Pharm	52	17	57	13		87
136.	M.Sc (Food Nutrition and Dietetics)	25	12	56	12	8	88
137.	Pharma D	30	13	60	10	7	90
138.	LLM	55	13	58	11	5	87
139.	MHRD	20	15	60	15	10	90

In addition to this there are 49 courses in School of Distance Education and 104 Research Courses and 17 Certificate/ diploma courses.

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

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. 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 councillor, 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. 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 and placed in Management review meeting for proper approvals. The IQAC coordinates with the Planning, Monitoring and Evaluation Board of the University review the progress and performance of various functional divisions and develop plans for the future.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	2
UGC – Faculty Improvement Programme	4
HRD programmes	16
Orientation programmes	4
Staff training conducted by the university	12
Staff training conducted by other institutions	4
Summer / Winter schools, Workshops, etc.	16
Others	40

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	1570	110	14	84
Technical Staff	375	86	12	42

Criterion – III

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.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	24	34	19	22
Outlay in Rs. Lakhs	422	691	532	723

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	8	6	4	6
Outlay in Rs. Lakhs	24	15	12	15

3.4 Details on research publications

	International	National	Others
Peer Review Journals	262	456	72
Non-Peer Review Journals	11	19	15
e-Journals	112	142	32
Conference proceedings	25	112	16

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 organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned in cores	Received
Major projects	3-5	UGC, DST, CSIR,ICSSR, DBT, etc.,	26	8
Minor Projects	1-3	UGC, DST, CSIR,ICSSR, DBT, etc.,	2.4	1.2
Interdisciplinary Projects	3-5	DRDO,ISSRO, BARC, TEQIP, DST	2.6	1.2
Industry sponsored	0.5-2	RINL, NSTL, IBM, TCS, VPT, Pharma Industries,	1.4	1.1
Projects sponsored by the University/ College	0.6-1	UGC	2.8	2.8
Students research projects <i>(other than compulsory by the University)</i>	0.6-1	UGC, DST, CSIR, AICTE, TEQIP	0.5	0.5
Total			35.7	14.8

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University
Number	7	110	4	6
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 Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent	Number	
National	Applied	4
	Granted	1

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

Total	International	National	State	University
39	3	25	5	6

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	26	State level	6
National level	4		

3.24 No. of Awards won in NCC:

University level	8	State level	2
National level	2		

3.25 No. of Extension activities organized

University forum	6	College forum	4		
NCC	8	NSS	11	Any other	6

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

- Conduct of youth festivals
- Conduct of Anti ragging campaign
- Organization of Ugadi celebrations
- Discussion forum on new trends in Telugu cinema and its effect on youth
- International coastal cleanup day celebrations
- Observation of Gandhi jayanati
- Organization of blood donation camps
- Training on youth leaderships
- Mega camps on environment enrichment
- Pollution free campaign
- Pulse polio immunization programme
- Campaign on awareness on health hazards due to smoking and drugs
- Mass plantation programmes
- Implementation of vehicle free campus day on 28th day of every month
- Observation of plastic free campus
- Conduct of human empowerment

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	-	-	423
Class rooms	345	26	UGC, DST, Andhra Bank, University development fund	371
Laboratories	112	15	UGC, DST	127
Seminar Halls	84	6	UGC, DST University development fund	90
Hostels for Men	24	1	Andhra University	25
Hostels for women	14	1	Andhra University	14
Guest Houses	6	1	Andhra University	7
Administrative and support service	11	1	Andhra University	12

4.2 Computerization of administration and library

<ul style="list-style-type: none">• All administrative processes are computerized and each department is provided with computers.• Library is having 120 computers with internet facility.• Separate browsing centre for international students.• E learning recourses were created using e-journals and e-books.• Separate section for physically challenged students.

4.3 Library services:

	Existing	Newly added	Total
	No.	No.	No.
Text Books & Reference Books	491903	5790	497693
e-Books & Journals	8374	305	8679
Print Journals	413	7	420

An amount of Rs. 42,55,960/- was spent during this year

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	3042	43	2500 nodes	11	4	67	60	15
Added	458	4	125 nodes	1	1	2	4	3
Total	3500	47	2625	12	5	69	64	18

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (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.
- MoU's are signed with APNA BOX and Google Apps.
- E-class rooms are established in some departments and colleges.

4.6 Amount spent on maintenance in lakhs :

i) ICT	Rs. 58,72,321
ii) Campus Infrastructure and facilities	Rs.7,41,16,000/-
iii) Equipments	Rs. 42,51,371/-
iv) Others	Rs. 22,75,251/-
Total :	Rs, 8,65,14,943/-

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 Affair and Director, Physical Education to prepare the academic calendar for student support system. The IQAC has conducted periodic meeting. IQAC has conducted periodic meeting with officers of supporting facilities and gave suggestions for improvements. IQAC has conducted orientation programmes in collaboration with HoD's and Principals to enhance student awareness.

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.	Others
2957	5932	451	142

(b) No. of students outside the state

632

(c) No. of international students

435

Men	No	%	Women	No	%
	4456	47		5026	53

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3242	1450	677	4014	290	9673	3321	1422	663	3792	284	9482

Demand ratio 1:12 for PG Courses

Dropout % 0.5

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 2432

5.5 No. of students qualified in these examinations

NET	34	SET/SLET	63	GATE	250	CAT	8
IAS/IPS etc	2	State PSC	42	UPSC	110	Others	232

5.6 Details of student counselling 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 counselling and employment bureau sponsored by state government.

No. of students benefitted 1712

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
89	2112	812	900

5.8 Details of gender sensitization programmes

Andhra University is having Centre for women studies to organize gender sensitization. It has organized several women empowerment training programmes. The campaign for equality and Women rights is conducted.

5.9 Students Activities

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

State/ University level 386 National level 28 International level 0

No. of students participated in cultural events

State/ University level 413 National level 112 International level 3

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.
Financial support from government	4596	8,27,28,000
Financial support from other sources	120	2,16,00,000
Number of students who received International/ National recognitions	24	57,60,000

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level

5.12 No. of social initiatives undertaken by the students

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

6.3.2 Teaching and Learning

In order to cater to the student diversity each and every department organize 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 organizational academic programs has 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.

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.
- Establishing research chairs.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Well established library with nearly 5 lakhs books and 420 print journals having e learning resources with 8759 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 3500 computers and 20 e-class rooms. Each department is provided with computers and network facilities. Hostels were connected with Wi-Fi facility. There are 12 computational centres and 15 computer laboratories.

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 Management

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 Associate Professors, Assistant Professors and 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 15 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 64 MOUs with these organizations. 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.

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 counselling is arranged. The University follows inclusive policy and as such all academic departments provides preadmission counselling 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"> • Staff Quarters are provided • Fee Concession for Employee Children in Education • Free Medical facility • Group Insurance • Separate Cooperative Society • Faculty Club and Recreational Centre • Festival advances • Loans for housing, vehicle and medical
Non-Teaching	<ul style="list-style-type: none"> • Staff Quarters are provided • Fee Concession for Employee Children in Education • Free Medical facility • Group Insurance • Separate Cooperative Society • Festival advances • Loans for housing, vehicle and medical
tudents	<ul style="list-style-type: none"> • Accommodation (hostel facility) • Transportation from hostels to departments for Girl students • Free medical facility • Student Insurance • Wifi Facility in the hostels • Play grounds and Gymnasium • Meditation Hall • Free Yoga Camps • Recreational Facilities • Implementation of Fee Reimbursement scheme • Assistance for getting scholarships

6.5 Total corpus fund generated

Rs. 75,30,060/-

6.6 Whether annual financial audit has been done

Yes

No

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

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

6.8 Does the University/ Autonomous College declare 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 13 Autonomous colleges associated with Andhra University.

6.11 Activities and support from the Alumni Association

Andhra University is having registered alumni association. All departments are having registered alumni associations. The following are the activities conducted by the alumni associations of the University during 2012-13.

- 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. 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 support staff

Andhra University is organizing training programmes for its supportive staff in attitude management and skill improvement. All staff associated with finance department is given training on accounting packages. Computer Training is provided for all ministerial staff. Incentives are given for best employees based on their performance. Non teaching staffs are provided fee concession to improve their educational qualifications through distance education.

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:**

- Introduction of 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
- It is proposed to conduct energy audit every year

***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 at Engineering College grounds.
- It is proposed to construct another check-dam at Engineering College in between Engineering College Hostel complex to avoid erosion at that region.

***Efforts for Carbon neutrality:**

- Vehicle Free Campus for one day in every month to reduce burning of fossil fuels.
- Restriction in use of air conditioning to reduce the greenhouse gases along with CO₂.
- Need to plant more number of plants which are mutually benefited

*** 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 (Underground drainage system)
- 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 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Introduction of Five day week
2. Vehicle free campus on 28th working day of every month
3. Introduction of Audit course on ethics and values
4. Introduction of Audit course on sports, NCC and NSS
5. Introduction of plastic free campus
6. Computerized pre and post examination processing
7. Introduction of Wi-Fi facility in the campus
8. APNA BOX

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.

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.
- Every month 28th day is observed as vehicle free zone to create a awareness towards environmental protection and to maintain carbon neutrality.
- 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.

Andhra University has conducted SWOT analysis in each department to identify its strength, weaknesses, opportunities and threats. Based on this analysis the University has prepared a vision document for the next 15 years. Similarly, the Principals and Deans were asked to meet quite often to prepare the academic schedule and also to improve the quality of research. Weekly meetings of the Principals and Deans are conducted where major decisions are taken. 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.

Besides, lectures are organized in each Department by the faculty from the Psychology Department. 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 AIDS 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.
- All departments are to be provided with audiovisual equipment and uninterrupted internet facility.
- 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.

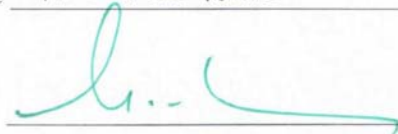
Name PROF G M J RAJU



Signature of the Coordinator, IQAC

Prof. G.M.J. RAJU
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Name PROF G S N RAJU



Signature of the Chairperson, IQAC

VICE-CHANCELLOR
Andhra University
Visakhapatnam

Abbreviations:

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