

The Annual Quality Assurance Report (AQAR) of the IQAC
ANDHRA UNIVERSITY

2018-2019

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution : **ANDHRA UNIVERSITY**

- Name of the Head of the institution : Prof. V.Krishna Mohan
- Designation : Registrar
- Does the institution function from own campus : On Campus
- Phone no./Alternate phone no. : 0891-2844222
- Mobile no. : 9848289827
- Registered Email : auregistrar@ andhrauniversity.edu.in
- Alternate Email : auregistrarvsp@gmail.com
- Address : Waltair
- City/Town : Visakhapatnam
- State/UT : Andhra Pradesh
- Pin Code : 530003

2. Institutional status:

- University: State/Central/Deemed/Private: State
(Tick appropriate)
- Type of Institution: Co-education/Men/Women : Co-education
- Location : Rural/Semi-urban/Urban : Urban

- Financial Status: Centrally funded/state funded/Private : Stae Funded (please specify)
- Name of the IQAC Co-ordinator/Director: Prof. D. Lalitha Bhaskari
- Phone no. /Alternate phone no. : 0891-2844818
- Mobile: 9885438922
- IQAC e-mail address: auiqac2005@gmail.com
- Alternate Email address: auiqac2005@gmail.com

3. Website address:

Web-link of the AQAR: (Previous Academic Year):

<http://www.andhrauniversity.edu.in/administration-wing/iqac>

4. Whether Academic Calendar prepared during the year: Yes

if yes, whether it is uploaded in the Institutional website:

Weblink: <http://www.andhrauniversity.edu.in/student-corner/academic-calendar>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A	--	2002	From 2002 to 2008
2 nd	A	3.65	2008	From 2008 to 2014
3 rd	A	3.60	2016	From 2016 to 2023

6. Date of Establishment of IQAC: : 11-07-2005

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Training programme on ISO 9001:2015 Certification programme	July2-3, 2018, 2 days	Participants: 20 Internal Audits
NIRF Nodal officers meet	October 3rd 2018	Participants: 7 NIRF Nodal officers
Participated in NIRF, THE, QS, India Today rankings	November 2nd 2018	NIRF 2018 Rankings: Overall Category : 16 University Category: 29
Collecting & Analysis of Feedback from Students regarding faculty	During the month of April	All UG and PG students of AU

Academic Audit conducted by a team of faculty	During March to April	All the departments of AU
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The rankings of Andhra University:

S.No.	Ranking Agency	Rankings
		2018-19
1.	QS BRICK Ranking	351-400
2.	QS within India	47
3.	QS -IGUAGE	Diamond Rating for 3 years
4.	NIRF Ranking (University category)	16 th
5.	Overall Category	29 th
6.	AU Pharmaceutical Science	34 th
7.	AU Engineering College	59 th
8.	Dr.B.R. Ambedkar College of Law	15 th
9.	The World University Ranking 2020	
	World University Ranking - Overall	1001 ⁺
	World University Ranking - Asia	251-300
	World University Ranking - Emerging Economies	251-300
	World University Ranking 2020- Engineering & Technology	601-800
	World University Ranking 2020 - Physical Sciences	801 ⁺
10.	NAAC Accreditation	3.60/ 4.0, 'A' grade (Upto 2023)
11.	THE WEEK Top Multidisciplinary Universities	13
	South Zone-Top Multidisciplinary Universities	14
12.	OUTLOOK - ICARE (Outlook)	29 th Rank in Top 100 Universities
		5 th Rank in Top 75 Public Universities

8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
College of Engineering, Autonomous, Au	TEQIP III	NPIU	1-4-2017,3 years	7 crores
Andhra University	Category I institute	GoI	2018	
Andhra University	RUSA	GoI		43 crores released

AU College of Science & Technology	CAS-I	DST-SAP	2016,5 years	1crore
College of Arts, Commerce	CAS-II	DST-SAP	2016,5 years	1crore
Mechanical Engg	CAS-II	DST-SAP	2016,5 years	1crore
Chemical Engg.	CAS-II	DST-SAP	2016,5 years	2crore
Inorganic & Analytical Chemistry	CAS-II	DST-SAP	2016,5 years	1crore
Instrument Technology	CAS-II	DST-SAP	2016,5 years	54,00,000
Law	CAS-II	DST-SAP	2016,5 years	1,2000,000

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

*upload latest notification of formation of IQAC - **Attached Annexure I**

10. No. of IQAC meetings held during the year: 08

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

No

(Please upload, minutes of meetings and action taken report). The minutes are uploaded in the website under IQAC menu.

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes No

If yes, mention the amount:

Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- * Andhra university has been accredited to latest ISO 9001:2015 Certification
- * Completed Surveillance audits of ISO 9001:2015
- * IQAC office is instrumental in getting AU NIRF Ranking as follows:

NIRF Ranking (University category)	16th
Overall Category	29th
AU Pharmaceutical Science	34th
AU Engineering College	59th
Dr.B.R. Ambedkar College of Law	15th

* IQAC office is responsible for applying for International Rankings as follows

The World University Ranking 2020

World University Ranking - Overall	1001⁺
World University Ranking - Asia	251-300
World University Ranking - Emerging Economies	251-300
World University Ranking 2020- Engineering & Technology	601-800
World University Ranking 2020 - Physical Sciences	801⁺

* Responsible in collecting and analysing Student feed back, loading APSCHE KPI's whenever required and conducting Quality enhancement programmes for the faculty.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Transformation from ISO 9001:2008 to ISO 9001:2015	AU successfully completed the task and at present it is ISO 9001:2015 certified University. The office of IQAC has identified 20 internal auditors from AU and conducted two day training programmes which helped IQAC in achieving ISO 9001:2015 certification.
To improve NIRF Rankings	Achieved
To motivate affiliated colleges towards NAAC accreditation	In progress

14. Whether the AQAR was placed before statutory body? Yes /No: **NO**

Name of the statutory body:

Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes/No: YES, ISO team

Date: 30 August 2018 and 31 September 2019

16. Whether institutional data submitted to AISHE: Yes/No: **YES**

Year: 2018-2019

Date of Submission:

17. Does the Institution have Management Information System? **No** ✓ (Partial)

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

Part-B

CRITERION I – CURRICULAR ASPECTS			
1.1 Curriculum Design and Development			
1.1.1 Programmes for which syllabus revision was carried out during the Academic year			
Name of programme	Programme Code	Dates of revision	
M.J.M.C.	013	2018-19	
M.A. (C.M.S.)	002		
M.A. Yoga & Consciousness	20117		
M.A. Economics	02		
M.A. History	--		
M.A. Ancient History & Archaeology	--		
M.Sc. Zoology	44		
M.Sc. Physics & M.Sc. Space Physics	M.Sc		
M.Sc. Botany	104		
M.Phil./Pre-Ph.D.	104		
M.Sc. Meteorology & M.Sc. Physical Oceanography	401		
M.Tech. (Chemical Engineering)	CHE		
M.Tech. (CST), M.Tech. (IT), M.Tech. (CST with specialization in Artificial Inteligency and Robotics, M.Tech. CST with specialization in Computer Networks	CSE		
One year Diploma in Light Music	016		
M.A. Dance	003		
M.A. Anthropology	MA/MSc		
B.Tech. Naval Architecture	061		
M.Sc. Analytical, Inorganic, Bio-inorganic and Environmental Chemistry	111		
1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year			
Programme with Code	Date of Introduction	Course with Code	Date of Introduction
M.COM	1936	002	1936
MBA	1956	002	1956
MBA (R.M)	2009	002	2009
M.Ed	2008-2009	13	2008-2009
M.A. Adult & Continuing Education	2005-2006	12	2005-2006
B.Ed Special Education (V.I)	1989-1990	05	1989-1990

BFA 207	April - 1977	207	April - 1977
MFA 201	April - 2014	201	April - 2014
Hindi	1965	M.A	
MHRM	1973	019	1973
PG Diploma in Journalism and Mass communication	July 2019	PGDJ&MC	July 2019
Diploma in Photography	June 2019	DIP	June 2019
Diploma in Soft Skills	June 2019	DISS	June 2019
Physical Education	16-07-2019	Fitness Trainer	16-07-2019
M.A. Social Work	022	FT	2 Years
M.Phil. Social Work	Ph.D	FT/PT	3 Years
Telugu	Telugu under score	203	--
P.G.Diploma in Yoga Therapy	2018	20122	2 Years
Meteorology & Oceanography	1948	52	19-06-2017
Meteorology & Oceanography	1948	52	08-01-2018
Meteorology & Oceanography	1948	54	07-01-2019
Geology	Bhuvisamvad	--	--
Geology	2-day workshop	--	--
Marine Living Resources	223	Coastal Aquaculture and Marine Biotechnology	1995
	224		1996
	225		2001
M.Sc., Organic Chemistry	1983	732	1983
M.Sc., Foods, Drugs & Water	1983	731	1983
M.Sc. Statistics	1951	39	1951
M.Sc. Statistics with Computer Science	2018	51	2001
Architecture	2001	061	2001
CHE-B.Tech. –Chemical Engineering	1957	02	1957
CPE-B.Tech. -Chemical Engineering with petroleum Engineering as Elective	1993	03	1993
CCT-B.Tech. -Chemical Engineering with Ceramic Technology as Elective	2009	05	2009
BT-B.Tech.-Biotechnology	2009	06	2009
CHE-M.Tech.- Chemical Engineering	1962	02	1962
MPE- M.Tech.- Mineral Process Engineering	1962	03	1962
CACE- M.Tech.- Computer Aided Chemical Engineering	2006	04	2006
IPCE- M.Tech.- Industrial Pollution Control Engineering	2006	05	2006
BT- M.Tech.-Biotechnology	1988	06	1988
CHE-B.Tech.+M.Tech. – Chemical Engineering	2014	11	2014
B.Tech(Civil Engineering)	1955	--	--
B.Tech(Civil Engineering with Environmental Engineering Elective)	1987	--	1987
B.Tech + M.Tech(Civil	2009	--	2009

Engineering)			
M.Tech (Structural Engineering)	1963	--	1963
M.Tech (Environmental Engineering and Management)	1963	--	1963
M.Tech (Hydraulics, Coastal and Harbour Engineering)	1972	--	1972
M.Tech (Soil Mechanics and Foundation Engineering)	1975	--	1975
M.Tech (Structural Engineering and Natural Disaster Management)	2002	--	2002
M.Tech (Construction Technology and Project Management) (Evening Course)	2006	--	2006
M.Tech (Structural Engineering) (Evening Course)	2011	--	2011
B.TECH.-64	1983	CSE	1983
M.TECH.	--	CST	--
M.TECH.	--	IT	--
M.C.A.	--	MCA	--
Electrical Engineering One month programme	11-02-2019	ELE-01	11-02-2019 TO 15-02-2019
		ELE-03	18-02-2019 TO 23-02-2019
		ELE-02	26-02-2019 TO 02-03-2019
		ELE-04	05-03-2019 TO 11-03-2019
		AUT - 01	18-03-2019 TO 22-03-2019
		AUT - 02	26-03-2019 TO 01-04-2019
INSTRUMENT TECHNOLOGY	B.Tech	068	
M.Tech	--	068	--
Metallurgical Engineering Soft skills lab	2011-12	MT319p	2011-12
CSSE (Women)	2015-2016	CSE 3.1.2 MOOCS-I Python Programming	2015-2016

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
B.Tech Information Technology	2018-2019

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of Programmes adopting CBCS			Date of implementation of CBCS / Elective Course System		
	UG	PG		UG	PG
M.Com	--	PG	June 2015	--	PG
MBA	--	PG	June 2015	--	PG
M.Ed	-	PG	2015	-	PG
M.A. Adult & Continuing	-	PG	2015	-	PG

Education					
B.Ed Special Education (V.I)	U.G	-	2015	U.G	-
Fine Arts	UG	--	April - 2014	April-2014	April -2014
Fine Arts	--	PG	April- 2014	April-2014	April-2014
Hindi M A	--	PG	2012		
M.A. History	--	PG	2015	--	PG
Physical Education	UG	PG	Elective Course	UG	PG
Sociology	--	PG	2015-2016	--	M.A
Yoga & Consciousness	--	PG	2015-2016 Academic year	--	PG
Geography CBCS	--	PG	2015-16	--	PG
Solid Earth Geophysics		PG	2018		PG
Seismology		PG	2018		PG
M.Sc. Physics	-	PG	2016	-	PG
M.Sc. Space Physics	-	PG	2016	-	PG
M.Sc. Electronics (Instrumentation)	-	PG	2016	-	PG
M.Sc. Statistics	--	PG	2016	--	PG
M.Sc. Statistics with Computer Science	--	PG	2018	--	PG
M.Sc.	--	P.G.		--	
B. Architecture	UG	--	2015	--	--
M.Planning (Environmental)	--	PG	2015	--	--
B.Tech. – Chemical Engineering	UG	--	With effective from 2015-16 Admitted Batch	--	--
B.Tech. - Chemical Engineering with petroleum Engineering as Elective	UG	--		--	--
B.Tech. - Chemical Engineering with Ceramic Technology as Elective	UG	--		--	--
B.Tech.- Biotechnology	UG	--		--	--
M.Tech.- Chemical Engineering	--	PG		--	--

M.Tech.- Mineral Process Engineering	--	PG		--	--
M.Tech.- Computer Aided Chemical Engineering	--	PG		--	--
M.Tech.- Industrial Pollution Control Engineering	--	PG		--	--
M.Tech.- Biotechnology	--	PG		--	--
B.Tech.+M.Tec h. –Chemical Engineering	Dual Degree	--		--	--
B.Tech(Civil Engineering)	UG	--	2015-2016	--	--
B.Tech(Civil Engineering with Environmental Engineering Elective)	UG	--	2015-2016	--	--
B.Tech + M.Tech(Civil Engineering)	UG	PG	2015-2016	--	--
M.Tech (Structural Engineering)	--	PG	2015-2016	--	--
M.Tech (Geotechnical Engineering)	--	PG	2015-2016	--	--
M.Tech (Environmental Engineering and Management)	--	PG	2015-2016	--	--
M.Tech (Hydraulics, Coastal & Harbour Engineering)	--	PG	2015-2016	--	--
M.Tech (Structural Engineering and Natural Disaster Management)	--	PG	2015-2016	--	--
M.Tech (Construction Technology and Project Management) (Evening Course)	--	PG	2015-2016	--	--

M.Tech (Structural Engineering) (Evening Course)	--	PG	2015-2016	--	--
B.Tech.-CSE	UG	--	2015-16	--	--
4 year B.Tech and 4+2 B.Tech	UG	PG	2015-16	UG	PG
EEE	UG	--	2016	UG	--
Engg. Physics	Nil			--	--
2 Year M.Sc. Applied Chemistry	-	PG	2015-2016	--	PG
Engineering Mathematics	Nil		--	--	--
INSTRUMENT TECHNOLOGY B.Tech	UG	--	--	UG	--
INSTRUMENT TECHNOLOGY M.Tech	--	PG	--	--	PG
M.Tech. Remote Sensing	-	PG	2015-2016	-	PG
M.Tech. Geo-Engineering	-	PG	2015-2016	-	PG
B.Tech. Geoinformatics Engineering	UG	-	2015-2016	UG	-
Metallurgical Engineering	UG		2015-16	UG	
Industrial Metallurgy		PG	2015-16		PG

Already adopted (mention the year)

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
M.Ed	Sept-2018	10
M.A. Adult & Continuing Education	Sept-2018	10
B.Ed Special Education (V.I)	Oct-2018	20
Journalism & Mass Communication Diploma in Soft Skills	June 2019	20
STATISTICS Workshop on Data Analysis with SPSS	June 2019	31
Zoology Studies on the culture of L. Venamei	June 2019	10
Chemical Engineering Campus Recruitment Training	Department conducted for the academic years 2017-18 & 2018-19	70
Civil Engineering Soft skills	2015	91
EEE Environmental science	2016	All
EEE Moral & ethics	2016	All
EEE Soft skills	2016	All
Engineering Chemistry 2 Year	2016	30

M.Sc. Applied Chemistry - Project		
1.3.2 Field Projects / Internships under taken during the year		
Project/Programme Title	No. of students enrolled for Field Projects / Internships	
Tribal studies in the Visakha agency	25	
M.Com (Project Work	67	
MBA (Internship)	250	
Teaching Practice Internship/Field Projects	55	
Etikoppaka toys,	3	
Katankari block printing	7	
Internship	60	
Library Internship Programme	12	
Concurrent Field work	51	
Consecutive Field work	23	
Block Field work	20	
P.G. Diploma in Yoga Therapy	14	
Students Projects	24	
Internships	44	
In hospitals and food industries		
16 th Course on Application of Remote Sensing and GIS in Mineral Exploration under NNRMS Scheme	5	
BhuviSamvad Programme with GSI, Marine division, Vskp.	20	
BhuviSamvad Programme with GSI, Marine division, Vskp.	20	
workshop on Research Methodology for Research Scholars, BhuviSamvad Programme with GSI	3	
Wadia Institute of Himalayan Geology Summer Internship	7	
Aquaculture	28	
Shrimp/ Fish Hatcheries	10	
Fish Processing Plants	16	
Study on Cosmogenic Radionuclides.	01	
Utilization and Analysis of Agricultural Land in Andhra Pradesh by Using Arima Model	5	
Text-Mining Twitter Data Using R	4	
A Study of Factors Contributing to Air Pollution in Andhra Pradesh	4	
Studies on Dollar Verses Rupee and it's Forecasting System	5	
Studies on the culture of L. venamei	10	
8 th Semester	As part of course curriculum all the B.Architecture of 8 th semester have to undergo for internship for a period of 6months(i.e. December to May)	
5 th semester	Field projects VUDA Harita Housing complex, Midhilapur VUDA Colony, Madhurawada, Visakhapatnam	
6 th Semester	A industrial visit on Modular Components at Sontam, Visakhapatnam.	
6 th semester	Visakhapatnam & Vizianagaram Collector's Office Field study conducted.	

1 st semester	Industrial visit at Brick Manufacturing, Anakapalli
10 th Semester	visited Lansum Greens, High-raised Buildings, Seethamadhara, Visakhapatnam
3 rd Semester	Field Projects: The students of 3 rd Semester have attended workshop on “Natural Building” Organized by Thannal Hands Sculpted Homes- India at Thiruvannamalai from 2 nd June,2018 to 4 th June, 2019.
1 st Semester	Field Project: The Students of 1 st semester have attended for industrial visit at Plywood manufacture, Visakhapatnam.
1 st semester	Baavi Kondalu site visit as apart of course curriculum.
5 th semester	As part of course curriculum an Industrial visit at Hampi, Pattakikal, from 4 th -9 th January, 2019.
The Superintending Engineer, Polavaram Irrigation Project Head works Circle, Dowlaiswaram, East Godavari, Andhra Pradesh.	14
The Head of HR, L& T Metro Rail, Hyderabad.	01
The Assistant General Manager (EDC), NTPC Simhadri, Parawada, Visakhapatnam	03
The Head of HR,HR Department, Larsen&Turbo Limited (L&T),Metro Rail Project, Hyderabad.	03
The Deputy General Manager, Navyuga Engineering Private Limited, SBC Side, Visakhapatnam.	01
The General Manager, RKEC Projects Limited, Visakhapatnam	04
The D.G.M, H.R, BGPPL Unit,28SEWA, Gagnapur,Kora29put, Odisha.	01
The D.G.M, H.R, BGPPL Unit,28SEWA, Gagnapur,Kora29put, Odisha.	01
The Senior Manager Training, Hindustan Shipyard, Visakhapatnam.	07
The Project Head, Tata Projects,	01
The AGM (R.L.I), NTPC, Simhadri, Parawada, Visakhapatnam.	04
The Chief Executive Officer, Trisha InfoTech Private Limited, Jubille Hills, Hyderabad– 500033	04
The Head Project, CEO, Equalars, # 501, Adusha Towers, Santhipuram, Visakhapatnam – 530013.	06
The General Manager, S.V.S. Mookambika Constructions Private Limited, Bhagavan Nagar, Ring Road, Vizianagaram	01
The Superintending Engineer, Polavaram Irrigation Project Head works Circle, Dowlaiswaram, East Godavari, Andhra Pradesh.	03
The Senior Manager Trainee,10, Gandhigram, Hindustan Shipyard, Visakhapatnam.	08
The Chief Engineer, Technical Training Institute, Visakhapatnam Steel Plant, Visakhapatnam.	03
M/s Ravi Kumar Enterprisers, Civil Engineering	12

Consultancies, Visakhapatnam.	
The Superintendent, KGH, Visakhapatnam.	01
The Deputy General Manager, Scrap Salvage Department, RINL, Visakhapatnam	01
The CEO, HBS Infra Engineers (I) Private Limited, 6 th Phase, KPHB Colony, Kukatapally, Hyderabad	02
The Managing Director, Ramky Pharma City (India) Limited, Road No. 13, Jawaharlal Nehru Pharma City, Parawada, Visakhapatnam	02
The Head of the Department, Training Division, Vizag Steel Plant, Visakhapatnam.	02
The Managing Director, Kakinada Smart City Corporation Private Limited, Kakinada.	01
The Senior Manager Training, Hindustan Shipyard Limited, Scindia, Visakhapatnam.	07
The Head of the Department, Training Division, Vizag Steel Plant, Visakhapatnam.	03
The Chief Manager, HR Department, HPCL, Visakhapatnam.	01
The Chief Operation Officer, Krishnapatnam Port, Nellore.	01
The Senior Manager, Hindustan Shipyard, Visakhapatnam.	04
The Municipal Commissioner, GVMC, Visakhapatnam.	08
The Chief Engineer, Training Institute & Construction of 800 MW, Dr. NTTPS, Ibrahimpatnam, Vijayawada.	01
The Airport Director, Veer Savarkar International Airport, Airport Authority of India, Port Blair.	01
The Chairman, Visakhapatnam Port Trust, Visakhapatnam.	03
The Executive Engineer (D), Visakhapatnam Port Trust, Visakhapatnam.	03
The Ramky Pharma City (India) Limited, Administration Block, Commercial Hub, JNPC, Road No. 13, Parawada Mandal, Visakhapatnam	01
KCP Sugars & Industries Corporation Ltd. Vuyyuru, Vijayawada	01
Visakha Steel Plant, Visakhapatnam	13
HPCL, Visakh Refinery Malkapuram, Scindia Road, Visakhapatnam	11
O.N.G.C. Rajahmundry Asset Rajahmundry.	04
Dr. A.S. Kameswara Rao, Government General Hospital, Kakinada.	02
BSNL	30
All India Radio	10
B.Tech	28
M.Tech	28
2 Year M.Sc. Applied Chemistry - Project	30
VISAKHAPATNAM STEEL PLANT	31
HPCL	22
NSTL	1

COROMANDEL	06
SOUTH ASIAN LPG LTD	02
Metallurgical Engineering B.Tech	30
220kv/11kv gajuwaka substation, steel plant	4
132/33 KV Pedawaltair substation	6
VISAKHA STEEL PLANT	23
BHEL (HYD),RED SOLAR	3
semiens	7
132/33kv Simhachalam Substation	2
AP Transco 132/33 kV nakkavanipalem sub station	4
annapurna electrical projects	2
ARILOVA SUBSTATION	5
APGENCO (VTPS)	1
APTRANSCO, gopalapatnam	2
Design and analysis of iron Ore crusher	5
Dynamic and static analysis of swept back wing	5
Optimisation of leaf springs	5
CFD Analysis of a Nozzle at Divergence Angles	4
Vibrational and CFD analysis of a marine propeller	6
Design and optimisation of 3-D convergent nozzle (elliptical cross section) with geometry change	4
Theoretical analysis and CFD simulation on the ceramic monolith heat exchanger	5
Structural and thermal analysis of gas turbine rotor blade	3
Improvement of weldment surface by end milling operation using different coated end milling cutter	4
Design and optimisation of alloy wheel rim using FEM analysis	5
Structural analysis on car bumper beam	5
CFD Analysis of Exhaust of Multicylinder petrol Engine for optimal geometry to reduce back pressure	4
Impact of misalignment on root stress of hypoid gear set using ANSYS	5

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

The University has developed a formal mechanism to get feedback from students regarding the curriculum and teacher performance. Feedback on curriculum is obtained from students, faculty, industry, affiliated colleges, alumni and retired faculty. The Chairman, Board of Studies with the help of the Head of the Department collects feedback on curriculum periodically. The suggestions and comments collected from the feedback will be placed before the Board of Studies for discussion and consideration. Also the university and its departments make use of Review meetings of MOUs between University and institutes/research organisations wherein experts of national and international repute participate and deliberate

upon the curriculum design and development. It takes into consideration the views of affiliated colleges also in the development of curriculum. Some of the Principals of the affiliated colleges are also members of the Academic Senate, the highest body approving the curricula of different courses. They have the opportunity to participate in discussions and a role to play in decisions of academic matters.

The I.Q.A.C. of the University closely monitors the execution of the formal mechanism designed for collection of feedback on curriculum. An online feedback system is developed and the link is

<https://aucoe.info/feedback/feedbackhome.php>

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
M.A.Adult & Continuing Education	30	Course wise applications information is maintained. An overall 21,379 applications are received under Science, Arts & Technology Stream PG Courses.	29
M.A.Ancient History & Archaeology	20		20
M.A.Anthropology	12		11
M.A.H.R.D.	40		38
M.A.History	50		49
M.A.Philosophy	30		31
M.A.Political Science	30		30
M.A.Political Science(Others)	30		29
M.A.Public Administration	30		31
M.A.Public Administration(Others)	30		29
M.A.Social Work	50		38
M.A.Sociology	15		30
M.A.Sociology(Others)	15		19
M.A.Women Studies	20		52
M.A. Dance (Self Finance)	10		59
M.A. Music	10		62
M.A.Yoga & Consciousness	30		41
M.F.A (Painting)	10		39
M.F.A (Sculpture)	10		56
M.J.M.C.	30		8
M.L.I.Sc.	40		38
M.S. Mass Communication & Media Studies	30		30
PG Diploma in Co-operations & Rural Studies	20		19
M.A.English	50		52
M.A.Telugu	60		59
M.Com.	60		62
M.H.R.M.	40		41
M.A.Applied Economics	40		39
M.A.Economics	60		56
M.Ed. (I.A.S.E)	50		8
M.Ed.	50	18	
M.P.Ed	60	10	
M.A. Hindi	50	16	

B.F.A.	30		32
M.A. Sanskrit	20		17
M.Sc.Agricultural Biotechnology	24		30
M.Sc.Anthropology	12		17
M.Sc.Biochemistry	30		17
M.Sc.Biotechnology	30		37
M.Sc.Botany	62		58
M.Sc.Coastal Aquaculture & Marine Biotec	17		16
M.Sc.Environmental Sciences	24		50
M.Sc.Fishery Science	36		30
M.Sc.Foods Nutrition & Dietetics	40		26
M.Sc.Horticulture and Landscape Managt	24		32
M.Sc.Human Genetics	30		30
M.Sc.Marine Biology and Fisheries	16		17
M.Sc.Marine Biotechnology	16		17
M.Sc.Microbiology	36		37
M.Sc.Zoology	54		58
M.Sc Marine Geophysics	15		16
M.Sc. Electronics (Instrumentation)	60		50
M.Sc.(Tech.) Geophysics	30		30
M.Sc.Meteorology	26		26
M.Sc.Nuclear Physics	34		32
M.Sc.Physical Oceanography	26		23
M.Sc.Physics	68		68
M.Sc.Space Physics	10		10
M.A./M.Sc.Mathematics	80		77
M.Sc.Applied Mathematics	40		43
M.Sc.Computer Science	30		31
M.Sc.Analytical Chemistry	18		20
M.Sc.Applied Chemistry	30		30
M.Sc.Bioinorganic Chemistry	10		10
M.Sc.Chemistry & Analysis of Foods, Drugs & Water	12		13
M.Sc.Environmental Chemistry	10		8
M.Sc.Inorganic Chemistry	12		13
M.Sc.Marine Chemistry	6		5
M.Sc.Nuclear Chemistry	8		7
M.Sc.Organic Chemistry	18		20
M.Sc.Physical Chemistry	20		21
M.Sc.(Tech.) Applied Geology	30		30
M.Sc.Geology	30		30
M.Sc. Statistics with Computer Science	20		21
M.Sc.Statistics	40		39
M.A.Psychology	12		11
M.A.Psychology(Others)	12		14
5-Year Integrated M.Sc.Chemistry (Applied Chemistry)	30		29
M.Sc. 5-Year Integrated Course	24		25

in Geology(BSc+MSc)		
M.Sc.Geography - B.A. stream	16	16
M.Sc.Geography - B.Sc.stream	16	16
M.Tech. Atmospheric Science	15	14
M.Tech. Ocean Sciences	15	14
M.Tech. Petroleum Exploration & Production (Engg Stream)	19	5
61101 - B.Tech+M.Tech. Computer Science & Software Engg.	30	29
61103 - B.Tech+M.Tech. Electrical & Electronics Engineering	30	4
61105 - B.Tech+M.Tech. Mechanical Engineering	30	2
61106 - B.Tech+M.Tech. Electronics & Communications Engineering	30	10
Architecture	40	40
Chemical	33	33
Chemical -Petro	10	10
Ceramic Tech.	8	8
Bio-Tech.	12	12
Civil	30	30
Civil Envi.	8	8
CSE	23	23
ECE	14	14
EEE	18	18
Geo Infromatics	25	25
Inst.Tech.	21	21
NMA	25	25
Mechanical	15	15
Metallurgical	19	19
Information Tech.	48	48
Civil Engg.	62	62
CSSE	58	58
CSNW	59	59
ECE	59	59
EEE	30	30
Mechanical	31	31
Chemical	27	27
Inst.Tech.	21	21
APPLIED Chem.	30	30
M.Planning	4	4
M.Tech..(Structures)	16	16
M.Tech.. (CTPM)	19	19
M.Tech. (CST)	7	7
M.Tech.(PEDC)	7	7
M.Tech.(Naval Arch.)	6	6
M.Tech.(Thermal)	9	9
M.Tech.(Industrial Engg.)	6	6
M.Tech.(Indu.Mett.)	4	4
Chemical	21	21
Mineral Processing Engg.	11	11

Industrial Pollution Control Engg.	13		13
Computer Aided Chemical Engg.	8		8
Bio-Technology	10		10
Hydraulics, Coastal Harbour	16		16
Environmental Engg. & Mgt.	13		13
Structural Engg.	18		18
Soil Mechanics & Foundation Engg.	17		17
CST	27		27
Artificial Intellegence & Robotics	11		11
Computer Networks	13		13
Cyber Security & Data Analytics	13		13
Information Technology	14		14
MCA	36		36
M.Sc.(Computer Science) (SF)	33		33
Radar & Microwave Engg.	11		11
Electronics & Instrumentation	11		11
Bio-Medical Engg.	9		9
VLSI	9		9
Power Systems & Automation	13		13
Control Systems	13		13
Geo Engineering	7		7
Remote Sensing	13		13
Instrumentation Engg.	12		12
Marine Engg. & Mechanical Handling	11		11
Machine Design	15		15
Heat Transfers Energy systems	15		15
Industrial Engineering	14		14
Industrial Metallurgy	13		13
Nano-Technology	6		6
M.Sc.(Applied Chemistry) (R)	10		10
M.Sc.(Applied Chemistry) (SF)	20		20
LL.B. 3YDC	79		79
LL.B. 5YDC	80		89
LL.M.	10		08
MA (HRD)	20		18
B.Pharm	30		35
Pharm.D	30		28
M.Pharm	90		86

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
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2018-2019	648	3132	432	207	639
2.3 Teaching - Learning Process					
2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)					
Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
639 (Regular, contract and adhoc)	390	A quite good number of ICT tools which are available Desktop and laptops, Projectors, Printer, Photocopier, Pen Drive, Ipads, Scanners, Microphones, interactive white board and Audio systems	30	30. Apart from smart, e-class rooms Wifi facility is provided in the campus.	In Dr.V.S.Krishna Library, An Internet Browsing Centre with seventy one (71) Computers, works from 8.00 a.m. to 10.00 p.m. for the benefit of students, research scholars and staff. One lakh e-text books have been made available by World E-Book Library, South Asia Archive and National Digital Library. E-journals (5,492 Nos.) and databases (4 Nos.) have been made accessible online through E-Shodh Sindhu Consortium of INFLIBNET, in addition to Institution subscribed E-journals of 88 Nos. in the campus with IP based environment.
2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)					
<p>Student mentoring System is available and every academic department has a mentoring system to council and support students. For effective implementation of various initiatives required for the student support and mentoring, the Departmental Committees are activated. Each faculty member is assigned a group of students for counseling and mentoring. Thrust is given to those students who particularly hail from rural/tribal background. Every constituent college of the University is having training and placement office to counsel and guide the students in career opportunities. The Placement Officers are arranging on-campus interviews in coordination with various corporate offices, industries and organizations for final placements. Apart from placements and classroom counselling, the following are a few measures which Andhra uNiversity adopts to encourage and guide the students: Pre-admission counseling, Orientation programmes, Bridge courses, Ragging free campus, Hostel accommodation, Transport, Remedial classes, Infrastructural support, Competency building programmes, Health care, Physical fitness, Socialization, Ethical character building, Organization abilities and leadership skills, enhancing research capabilities and Service personality.</p>					

The University is providing scholarships to 80% of its students through various central and state government agencies. It is also encouraging the students to get financial assistance from other agencies. In some departments, alumni are supporting the students through providing various merit / merit-cum-means scholarships. This apart, the University is providing studentship to all qualified M.Tech. and M.Pharm. students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
3780	432	1:9

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year : NIL

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
936	324	612	--	550

2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. S. PrasannaSree Dept. of English National level ,Hyderabad, 8 th March, 2019	Professor	VasundhraPuraskaram 2019,Hyderabad,2019
2019	Prof. S. PrasannaSree Dept. of English Endangered Alphabets, USA International	Professor	Name published in World Atlas of Endangered Alphabets, USA, 2019.
2019	Prof. K. John Dept. Of History State level	Professor	Best Academician Award
2019	Prof. K. John Dept. Of History State level	Professor	Best Research Award Andhra University (AP)
2019	Prof. K. Saraswati Vidyardhi Dept. of Music & Dance National Award of Excellence & Gold Medal Global Management Council, Ahmedabad National level	Professor	ADARSH VIDYA SARASWATI; RASHTRIYA PURASKAR” A distinction being one of the “Best Teacher
2018	Prof. K. Saraswati Vidyardhi Dept. of Music & Dance State level By the Akshyapatra Foundation.	Professor	“SANGITA SUDHANIDHI” From Sri Vijaya Tyagaraja Sangita Sabha (Regd)
2018	Prof. K. Saraswati Vidyardhi Dept. of Music & Dance State level	Professor	SAMAGANALAHAR I
2018	Prof. K. Saraswati Vidyardhi Dept. of Music & Dance National level	Professor	Ramavarapu Vijayalakshmi Music Memorial Trust” on the eve of their Annual Global award function
2019	Prof. K. Saraswati Vidyardhi Dept. of Music & Dance National level	Professor	Alavelumanga Sarvaiah Charitable

			Trust” at their National Music festival at Bhadrachalam
2019	Prof. K. Saraswati Vidyarthi Dept. of Music & Dance State level	Professor	Tirumala Tirupati Devasthanam” on the Naadaneerajanam”C oncert.
2019	Prof. K. Saraswati Vidyarthi Dept. of Music & Dance National level	Professor	Recognitions : Nominated as member of Editorial board, Glacier Journal of Scientific Research, Ahmedabad
2019	Prof. K. Saraswati Vidyarthi Dept. of Music & Dance National level	Professor	Audition committee member – Prasara Bharati, Akashvani, New Delhi
2019	Prof.A. Anuradha Dept. of Music & Dance	Professor	Sangeeta kala By “Satyaraj Sangeeta Vidyalayam”
2019	Prof. K.Gayathri Devi Sanskrit State level	Professor	State Best Teacher Award - 2018
2019	Prof. M.Jagannadha Rao (Geology) State level	Professor	Patent recognized by NRDC
2019	Prof. S S V S Ramakrishna, Dept. of Meteorology & Oceanography State Level	Professor	“Member” of Andhra Pradesh Coastal Zone Management Authority
2018	Prof.K.Samatha Dept. of Physics Andhra University State level	Professor	Dr. Sarvepalli Radhakrishnan award for “Best Academician of the Year - 2018
2018	Dr. S. Suneetha Kumari National Level	Assistant Professor	InSPA Best Paper Award 8 th InSPA International Conference on School Psychology
2018	Dr. D. Rajya Lakshmi National Level	Assistant Professor	InSPA Best Paper Award 8 th InSPA International Conference on School Psychology
2018	Mrs. A. Subhasini National level	Assistant Professor	InSPA Best Paper Award 8 th InSPA International Conference on School Psychology
2018	Prof. U. Shameem Dept. of Zoology State level	Professor	2018: S.S. Simha Gold Medal in the field of Helminthology Helminthological Society of India
2018	PROF K VAISAKH	Professor	Educational leadership Award

2018	PROF V MEENA	Professor	Dr Sarvepalli Radhakrishnan award for Best academician
2019	Prof.K.RamaMohan Rao	Professor	Vice Chairman –I, APSCHE, AP State Government
2018	Prof G Nageswara rao	Professor	Honorary Colonel, Government of India
2019	Prof K Vaisakh	Professor	Most dedicated Professors by World Education Congress
2018	Prof. G. Jaisankar	Professor	ESRI India GIS Day National Award
2019	Prof. P. S. Avadhani	Professor	Member of Board of Governors
2018	Prof. P. S. Avadhani	Professor	Member Lab Research Council Naval Science and Technological Laboratory NSTI
2018	Prof. P.V.G.D. Prasad Reddy	Professor	Chairman Advisory Committee Central tribal University
2019	Prof. V. Krishna Mohan	Professor	Convener Advisory committee Central Tribal University
2018	Prof. G.V. Krishna rao	Professor	Member Board of Governors
2018	Prof. K. Srinivasa rao	Professor	Vice President ORSI
2018	Dr. K. Raghu Babu	Professor	Excutive Council Member Indian Desalination Association
2018	Prof . K. Venkata Subbaiah	Professor	Executive council Member Andhra Pradesh Academy of Sciences
2018	Prof . K. Venkata Subbaiah	Professor	Council Member Institution of Engineers India IEI
2018	Prof . K. Venkata Subbaiah	Professor	National Executive Council Member Indian Society for Technnical Education
2018	Prof . K. Venkata Subbaiah	Professor	Expert Member Pollution Control Board Govt of Andhra Pradesh
2018	Prof. CNV Satyanarayana Reddy	Professor	Executive Member Indian Geotechnical Society
2018	Prof. G.M.J. Raju	Professor	Member Ministry of Environment and

			Forest
2018	Prof. N. Chitti Babu	Professor	Member consent for establishment APPCB AP STATE EXPERT COMMITTEE
2018	Prof. P. Srinivasa rao	Professor	Sarvepalli Radha Krishna Best Teacher Award AP State Government

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year-end examination
UG	All UG programmes	1 st ,IIIrd and Vth Semester	22/10/2018 to 17/11/2018	One month from last date of exam
UG	All UG programmes	IIInd, IVth and 6th	01/04/2019 to 27/04/2019	One month from last date of exam
PG	All PG courses	1 st , 3 rd , 5 th , 7 th , 9 th	12/11/2018 to 24/11/2018	Two months from last date of exam
PG	All PG courses	2 nd , 4 th , 6 th , 8 th , 10 th	15/04/2019 to 30/04/2018	Two months from last date of exam

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

**Do not include re-evaluation/ re-totalling*

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	Nil	0%

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink) Yes

As an example

<http://www.andhrauniversity.edu.in/img/pdf/syllabus/BTech%20 CSE%20 Syllabus and Schemes 2015-16.pdf>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
MA/MSc	Anthropology	07	06	85.7%
002	MBA	301	296	95
002	M.Com	44	41	93
02	M.A.Economics	57	35	61
02	M.A.Applied Economics	40	27	67
02	PGDCRS	20	8	40
13	M.Ed	25	--	--

12	M.A. Adult & Continuing education	11	11	100
05	B.Ed Special Education (V.I)	19	19	100
207	Bachelor of Fine Arts	18	18	100%
201	Master of Fine Arts	12	12	100%
-	M.A. English	61	56	95%
-	M.A.	25	25	100
-	M.A. History	34	26	75%
-	M.A. Archaeology	14	09	75%
019	MHRM	30	35	35
013	MJMC	30	30	100%
013	MA Communication & Media Studies	20	20	100%
2014	Master of Library and Information Science	12	12	100
016	M.A. Music	08	06	75%
003	M.A. Dance	06	05	83%
	MA	10	10	100%
018	Physical Education	42	42	100%
--	Political Science & Public Administration	42	40	98%
--	Political Science & Public Administration	41	40	98%
--	Sanskrit	11	11	100
022	I Semester	21	18	85%
022	III Semester	17	15	95%
MSO	M.A.Sociology	22	11	100%
--	M.A. Telugu	55	62	100
20117	M.A. Yoga & Consciousness	8	7	87.5
20122	P.G. Diploma in Yoga Therapy	17	15	88.24
657	P.G. Diploma in Yoga	52	43	82.70
863	Diploma in Yoga	40	40	100%
101	M.SC. Applied Mathematics	37	27	73
--	M.Sc. Biochemistry	28	27	97%
103	M. Sc Biotechnology	32	32	100%
104	M.Sc., Botany	63	60	95.2
104	M.Sc., Agricultural Biotechnology	25	25	100
104	M.Sc., Horticulture and Landscape Management	25	25	100
ES-104	M.Sc., Environmental Sciences	24	23	95.83
0961	M.Sc Food, Nutrition & Dietetics	44	44	100
107	M.Sc., Geography	14	13	93%
-	MSc Tech,	85	67	85

	MSc Geology, MSc Integrated Geology			
GS	(Tech) Geophysics	22	22	100
MGS	(Marine) Geophysics	15	15	100
110	M. Sc Human Genetics	30	30	100%
111	M.Sc. Analytical Chemistry	18	17	99%
111	M.Sc. Inorganic Chemistry	12	12	100%
111	M.Sc. Bioinorganic Chemistry	7	7	100%
111	M.Sc. Environmental Chemistry	8	8	100%
223	Coastal Aquaculture and Marine Biotechnology	18	18	100
224	Marine Biotechnology	16	16	100
225	Marine Biology & Fisheries	15	15	100
MSc	MSc Mathematics	82	45	56%
M-401	M.Sc. Meteorology (Dissertation)	10	10	100
PO-401	M.Sc. Physical Oceanography (Dissertation)	10	10	100
M-401	M.Sc. Meteorology (Dissertation)	09	09	100
PO-401	M.Sc. Physical Oceanography (Dissertation)	09	09	100
M-401	M.Sc. Meteorology (Dissertation)	09	09	100
PO-401	M.Sc. Physical Oceanography (Dissertation)	09	09	100
M-401	M.Sc. Meteorology (Dissertation)	08	08	100
PO-401	M.Sc. Physical Oceanography (Dissertation)	08	08	100
115	Microbiology	42	42	100%
10203	M.Sc. (Nuclear Physics)	29	29	100%
10203	M.Sc. Organic Chemistry	18	18	100%
10203	M.Sc. Foods, Drugs & Water	13	13	100%
M.Sc.	Physics	78	64	82 %
M.Sc.	Space Physics	11	07	63.6 %
M.Sc.	Electronics (Instrumentation)	36	35	97.2 %
--	M.Sc PNCO	35	31	89%

020	M. Sc Psychology	8	8	100%
39	M.Sc. Statistics	37	32	86.4
44	M.Sc., Zoology	54	50	93%
43	M.Sc., Fishery Science	38	38	100%
061	B.Architecture	39	33	85%
CHE	B.Tech. –Chemical Engineering	38	31	81.57%
CPE	B.Tech. -Chemical Engineering with petroleum Engineering as Elective	10	06	60%
CCT	B.Tech. -Chemical Engineering with Ceramic Technology as Elective	09	05	55.55%
BT	B.Tech.- Biotechnology	15	12	80%
MPE	M.Tech.- Mineral Process Engineering	15	12	80%
CACE	M.Tech.- Computer Aided Chemical Engineering	15	12	80%
IPCE	M.Tech.- Industrial Pollution Control Engineering	15	12	80%
BT	M.Tech.- Biotechnology	15	12	80%
CHE	B.Tech.+M.Tech. – Chemical Engineering	05	0	0%
--	B.Tech (Civil Engineering), B.Tech (Civil Engineering with Environmental Engineering Elective)	45	32	71.11
	B.Tech + M.Tech	46	03	6.52
64	B. TECH. –CSE	29	28	96
64	M.TECH.-CST	30	25	83
64	M.TECH.-IT	12	10	83
64	MCA	45	40	88
ECE4102	Radar Engineering	25	25	100
ECE 4103	Fiber Optic Communication	25	25	100
ECE 4104	VLSI Design	25	25	100
ECE 4105	Microwave engineering	25	25	100
ECE4106	Global Positions system	25	25	100
ECE 4108	Microwave engineering Lab	25	25	100
ECE 4109	Digital Communication Lab	25	25	100
ECE4102	Radar Engineering	51	51	100

ECE 4103	Fiber Optic Communication	51	50	98
ECE 4104	VLSI Design	51	50	98
ECE 4105	Microwave engineering	51	51	100
ECE4106	Global Positions system	51	51	100
ECE 4108	Microwave engineering Lab	51	51	100
ECE 4109	Digital Communication Lab	51	51	100
14	B.Tech	40	33	83
26	M.Tech(CS)	14	12	86
27	M.Tech(PS)	14	12	86
28	M.Tech(PEDC)	10	06	60
--	2 Year M.Sc. Applied Chemistry	28	28	100
064	B.Tech. Geoinformatics Engineering	32	32	100
--	M.Tech. Remote Sensing	12	12	100
--	M.Tech. Geo-Engineering	7	7	100
068	B.Tech	33	29	88
068	M.Tech	12	9	75
UG	B.TECH	29	29	100
UG	B.TECH	29	29	100
UG	B.TECH	29	29	100
B.Tech	B.Tech(CSSE)	64	60	93.75
143	IV/IV B.Tech	60	60	100%
143	III/IV B.Tech	66	64	98.9%
143	II/IV B.Tech	64	61	93.8%
143	II/VI B.Tech+M.Tech	25	11	44%
143	I/IV B.Tech	52	47	90%
143	I/VI B.Tech+M.Tech	11	06	54%
EEE 4201	Project/internship	60	60	100
ME4101	Machine Design	60	57	95%
ME4102	Heat and Mass Transfer	60	56	93%
ME4103	Refrigeration and Air Conditioning	60	54	92%
ME4104	Statistical Quality Control	60	59	98%
ME4105	Renewable Energy Technologies (Elective-III)	60	58	97%
ME4106	Instrumentation and Control Systems	60	57	95%
ME4107	Heat and Mass Transfer Lab	60	59	98%
ME4108	FM&HM Lab	60	59	98%
ME4109	CAD/CAM Lab	60	59	98%

ME4109	3 Year LL.B.	74	70	94.5
ME4109	5 Year LL.B.	36	29	80.5
ME4109	2 Year LL.M.	31	28	90.3

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink) : Student survey, Alumni survey are done on regular basis . A separate Student satisfaction survey is progress.

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	Prof. S. Sumitra Dr. B. R. Ambedkar College of Law, Andhra University	External Member	2019	Women's Cell, Indian Institute of Petroleum Energy, IPE
National	Prof. S. Sumitra Dr. B. R. Ambedkar College of Law, Andhra University	Chairperson	2019	Women's Cell, IIM, Visakhapatnam
National	Prof. S. Sumitra Dr. B. R. Ambedkar College of Law, Andhra University	Member	2019	Board of Andhra Pradesh Coastal Zone Management Authority, Minister of Environment, Forests & Climate Change, Government of India, New Delhi
National	Prof K. Madhusudhana Rao Dr. B. R. Ambedkar College of Law, Andhra University.	Governing body Member	2019	Sri Gayathri Degree College, Visakhapatnam
National	Prof. K. Madhusudhana Dr. B. R. Ambedkar College of Law, Andhra University Rao	Governing body Member	2019	Buddah Ramessh Babu Memorial Degree College, Visakhapatnam
National	Dr. K. Sita Manikyam Dr. B. R. Ambedkar College of Law, Andhra University	Editorial Board Member	2019	Amity Law Journal, Dubai
National	Dr. K. Sita Manikyam Dr. B. R. Ambedkar College of Law, Andhra University	Life member	2019	Indian social science congress
National	Dr. K. Sita Manikyam Dr. B. R. Ambedkar College of	Life Member	2019	Institute of Constitutional and Parliamentary

	Law, Andhra University			Studies, Delhi, (L-1038)
National	Dr. K. Sita Manikyam Dr. B. R. Ambedkar College of Law, Andhra University	Life Member	2019	Indian Law Institute, Delhi,
National	Prof. S. Sumitra Dr. B. R. Ambedkar College of Law, Andhra University	External Member	2019	Women's Cell, Indian Institute of Petroleum Energy, IPE
International	Prof.M.Shashi	Appreciation & Completion of research project	2018	Exa Intelligence, Tokyo, JAPAN
International	Prof.D.Lalitha Bhaskari	Appreciation & Completion of research project	2018	Exa Intelligence, Tokyo, JAPAN

3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of fellowship	Funding agency
NFST	5 years	UGC
RGNF SC	5 years	UGC
MANF	5 years	UGC
SGC	2 years	UGC
URH	2 years	UGC
PDFSS	5 years	UGC
EMERITUS	5 years	UGC
PDFWM	5 years	UGC
KOTHARI	2 years	UGC
NET JRF	5 years	UGC
BSR	5 years	UGC
DSRPDFHS	5 years	UGC
SVSGC	5 years	UGC
NFOBC	5 years	UGC

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
	2016-2019	UGC, New Delhi	11,73,000/-	2019
	2017-2019	ICSSR, New Delhi	15,00,000/-	--
	2015-2019	UGC	10,50,000/-	2015-2016
	2018-2023	DST-FIST	38,00,000/-	27,00,000/-
	2017-2021	DBT	35,00,000/-	--
	2018 -2021	ITDA	29,40,000/-	--
	2015-2020	NRSC-BOB	59,24,400/-	16,60,000
	2015-2020	DST-INSPIRE	35,00,000/-	--
	2017-2019	DRDO	1,00,00,000/-	80,00,000/-
	2018-2021	MOES	33,00,000/-	33,00,000/-
	2018-2019	UNICEF	14,45,000/-	12,75,000/-
	2013-2016	TEQIP-II	79.91 lakhs	79.91 lakhs
	2016-2021	UGC	239.70 lakhs	239.70 lakhs
	2015-2018	UGC-MRP	15.85 lakhs	15.85 lakhs

	2018-2021	(TARE) - 751013	Rs.20,00,000/-	Rs 666000/-
	2018-2021	DST-SERB	1133006.00	--
	2019-2022	DST-SERB	35,31,264/-	21,98,500/-
	2018-2021	DST-SERB	18,30,000/-	2,75,000/-
	2017-2020	DST-MRDP	33,00,000/-	--
	2018-2020	INCOIS-COSF	4,32,354/-	--
	2018-2020	INCOIS-MFAS	7,61,775/-	--
	2015 -2019	DST-NRDMS	10,00,000/-	--
	2016-2019	GVMC	78,01,970/-	--
	2018-2020	NCCR/MOES/IC MAM	51,50,000/-	51,50,000/-
	2017-2020	SAC-ISRO-SAR	29,99,000/-	22,03,000/-
	2017 -2020	NRB (Naval Research Board)	29,31,060/-	22,03,000/-
	2017 - 2019	SAC-ISRO SAMUDRA	32,00,000/-	32,34,000/-
	2018-2020	MoES-ICMAM	8,79,000/-	--
	2018-2021	DBT-DOS	48,83,800/-	15,76,000/-
	2017-2020	DST-MRDP	-	1,83,74,250/-
	--	ISRO	-	1,17,50,000/-
	2018-2021	DST-SERB	24,29,020/-	11,33,006/-
	2016-2019	DST	31,30,000/-	29,50,000/-
	2017- 2020	DST	26,50,000/-	25,00,000/-
	2018- 2021	DST	23,74,600/-	9,96,000/-
	2019-2021	DST	19,35,000/-	7,25,000/-
	2018- 2020	INCOIS-COSF	28,53,610/-	21,57,499/-
	2018- 2020	INCOIS-MFAS	49,48,500/-	38,74,467/-
	2018 -2020	NCCR/MOES/IC MAM	40,00,000/-	20,00,000/-
	2018 - 2020	NCCR/MOES/IC MAM	51,50,000/-	51,50,000/-
	2017 - 2020	NRSC PROJECT	49,80,000/-	49,80,000/-
	2018- 2019	DRDO-CARS	1,14,87,000/-	80,00,000/-
	2019-2022	ICMR Project	27,87,889/-	27,87,889/-
	2018-2020	ICSSR Project	10,00,000/-	4,00,000/-
	2019-2020	AICTE	15,90,000/-	15,90,000/-
	2019-2022	ICMR	14,19,596/-	14,19,596/-
	2019	CAS-I SAP-II	5,72,880/-	4,22,880/-
	2019	SA-II	27,01,348/-	27,01,348
	2019	SAP	35,45,335/-	35,45,335
	2019	SAP-I	59,50,000/-	3,70,000/-
	2018	RUSA First Phase	20,00,00,000/-	15,00,00,000/-
	2019	UBA	5,00,000/-	5,00,000/-
Minor Projects	2018-2019	TCR&TI, A.P	3,35,000/-	2019
	2018-2019	Power Finance Corporation Ltd	2,40,000/-	2018-2019
	2018-2019	Power Grid Corporation of India Ltd.	50,000/-	2018-2019
	2018-2019	REC Ltd.	50,000/-	2018-2019
	2018-2019	WxBUNKA Foundation, JAPAN	10,00,000 JPY	

	2016-2017	DST	5.50 lakhs	5.50 lakhs
	2 years	17.82 Lakhs		
Interdisciplinary Projects	3 Years	DST-SERB	Rs.24,29,020/-	Rs.11,33,006/-
	1 year	Study on adequacy of and/or modification for the existing effluent treatment plant, Brandix Apparel City, Visakhapatnam (Prof. S. Bala Prasad)	Rs. 111600/-	1,11,600/-
Industry sponsored Projects	2015 -2017	NTPC, Thalcher, Orissa	50 Lakhs	50 Lakhs
Projects sponsored by the University	-	-	-	-
Students Research Projects (other than compulsory by the University)	-	-	-	-
International Projects	-	-	-	-
Any other(Specify)	-	2015-2020	DST-FIST DST, Govt. of India	85 LAKHS
		2016-2021	UGC-SAP- RS-1, UGC India	136 LAKHS

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Teacher/Dept	Date(s)
Decadal Experiences and Journey of the Centre for study of Social Exclusion & Inclusive policy	Prof P.D.Satya Pal, Anthropology	27-28 February, 2019
Cartoons on Dr. B.R. Ambedkar and Exclusion Workshop	Prof P.D.Satya Pal, Anthropology	12-13 March, 2019
Muslims in India: Facets of Exclusion and Imperatives for Inclusion	Prof P.D.Satya Pal, Anthropology	25 March, 2019
Indian Banking – Challenges & Strategies Panel Discussion on Indian Banking – Challenges & Strategies on the occasion of 49 th Banks' Nationalisation Day	Dept.of Commerce & Management Studies	19-07-2018

A Workshop on Global Competitiveness Jnana Bhri Programme delivered by our AP Hon'ble Chief Minister	Dept.of Commerce & Management Studies	23-08-2018
Workshop of Yogi	Dept.of Commerce & Management Studies	10 th September, 2018
“Human Future in Digital Era” National Seminar	Dept.of Commerce & Management Studies	31 st October, 2018 from 10.00 A.M. onwards
Capital Markets, Mutual Funds & Career Opportunities National Seminar	Dept.of Commerce & Management Studies	13-03-2019
Visakhapatnam-Chennai Industrial Corridor and Economic Development of AP National Seminar	Dept.of Commerce & Management Studies	25, 26 March, 2019
Exploring Potential for Establishment of New MSMEs in Srikakulam District (In association with District Industries Center, Srkiakulam) Seminar	Dept.of Commerce & Management Studies	28 th March, 2019
Ushering New Vistas in Banking in the Digital World – A Way Forward (On the Occasion of Golden Jubilee of Banks’ Nationalization Day) Seminar	Dept.of Commerce & Management Studies	19-07-2019
Panel Discussion on Indian Banking – Challenges & Strategies on the occasion of 49 th Banks’ Nationalisation Day Seminar Hall, DCMS, AU	Prof. G. Nageswara Rao, VC Prof. K. Rama Mohana Rao Prof. G. Satyanarayana	19 th July, 2018
Curtain Raise Program for the Launch of Management Club Events Calendar Peter F Drucker Smart Seminar Hall, DCMS, AU, VSP	Prof. K. Rama Mohana Rao Prof. G. Satyanarayana Prof. V. Kirshna Mohan	27 th July, 2018 at 11.30 A.M
Launch of Management Club Events Calendar Peter F Drucker Smart Seminar Hall, DCMS, AU, VSP	Prof. K. Gayathri Devi Prof. G. Satyanarayana Prof. V. Kirshna Mohan	28 th July, 2018 at 10.00 A.M.
A Workshop on Global Competitiveness Janibhari Programme delivered by our AP Hon'ble Chief Minister	All the Students of our Dept. attended	23 rd August at 10.00 A.M. onwards
Peter F Drucker Smart Seminar Hall, DCMS, AU, VSP delivered by Sri. Surender Mohan Gupta Seminar on General Topic	Prof. N. Sambasiva Rao Coordinator	24 th August, 2018 11.30 A.M.
Peter F Drucker Smart Seminar Hall, DCMS, VSP Delivered by Prof. Madan Mohan Dept. of Education, AU, VSP Workshop of Yogi	Prof. Madan Mohan Dept. of Education	10 th September, 2018

Guest Lecture on “Healthy and Happy Living Organised by Management Club,	Prof. V. Krishna Mohan, DCMS, AU Prof. G. Satyanarayana	18 th September, 2018
Guest Lecture on “Professional Life and Personal Life – How to Balance it?” Organised by Management Club,	Prof. V. Krishna Mohan, DCMS, AU Prof. G. Satyanarayana	29 th September, 2018 (Saturday) at 11.30 A.M.
Guest Lecture on “ Career Opportunities for Students in Central Services, Group-I Cadre” Mr. Pudi Hari Prasad Jt. Secretary, Defense Ministry, South Block, New Delhi	Prof. K. Sambasiva Rao, DCMS, AU Prof. G. Satyanarayana DCMS,	5 th October, 2018 (Friday) at 11.30 A.M.
National Seminar on “Human Future in Digital Era” Organised by DCMS, AU in Association with Indian Social Science Academy, Allhabad	Prof. N. Sambasiva Rao Seminar Director & Prof. M. Sandhya Sridevi Seminar Co-Director	31 st October, 2018 from 10.00 A.M. onwards
National Seminar on Capital Markets, Mutual Funds & Career Opportunities	Prof. K. Rama Mohana Rao,	13-03-2019 10.00 A.M. Wednesday in Peter F Drucker Smart AC Seminar Hall
Internship drive by JMarathan	Prof. G. Satyanarayana	20, 21 st December, 2018 in Peter Drucker SSH
Seminar on Exploring Potential for Establishment of New MSMEs in Srikakulam District (In association with District Industries Center, Srkiakulam)	Prof. J. Ravi Seminar Co-Director Prof. K. Sambasiva Rao	28 th March, 2019 at Srikakulam in Conference Hall, Andhra Bank Zonal Office, Venkatapuram
EDUCATIONAL STATUS OF TRIBES IN INDIA", (with V.Ratna Pravallika), in ICSSR -SRC national Seminar on "Modern methods and Effectiveness of tribal programmes	Dr. B. Lilly Grace Eunice Dept.of Economics	18 th & 19 th March, 2019,
PROTECTION OF WOMEN AGAINST CYBER STALKING ", (with Dr. K.Sita Manikyam), in One day national Seminar on "Cybercrimes and Women -	Dr. B. Lilly Grace Eunice Dept.of Economics	19 th March, 2019
" A STUDY ON HEALTH AND HYGEINE AND ITS EFFECTS ON SUSTAINABLE DEVELOPMENT OF THE ECONOMY", (with V.Ratna Pravallika and P.Narasimhulu), in International Conference on "Water, Sanitation and Hygiene - 2019",	Dr. B. Lilly Grace Eunice Dept.of Economics	23 rd & 24 th February, 2019
GENDER PARITY IN EDUCATIONAL STATUS OF TRIBES IN INDIA" in the International seminar on	Dr. B. Lilly Grace Eunice Dept.of Economics	1 st and 9 th November 2018.

Negotiating Socio - Cultural Spaces: Rethinking		
A STUDY OF ECONOMIC EMPOWERMENT OF WOMEN IN INDIA - SOME INITIATIVES", in UGC National Seminar	Dr. B. Lilly Grace Eunice Dept.of Economics	31 st October 2018
DEVELOPMENT OF PRIMARY EDUCATION IN INDIA DURING PRE AND POST REFORM ERA", in the National Seminar on "Social Economy of Human Development and Ease of Living in India",	Dr. B. Lilly Grace Eunice Dept.of Economics	6 th and 7 th October, 2018
Solid Waste Management: A Key to Combat Environmental Pollution" (Joint Author), paper presented at the International Conference on Water, Sanitation & Hygiene	Dr. K. Sailaja Dept.of Economics	February 23 rd – 24 th , 2019
WASH and Swachh Bharat Abhiyan - Issues and Concerns" (Joint Author), paper presented at the International Conference on Water, Sanitation & Hygiene - 2019 (WASH-2019),	Dr. K. Sailaja Dept.of Economics	February 23 rd – 24 th , 2019
Media and Election Surveys in India: Some Reflections" (Joint Author), paper presented at the U.G.C. sponsored International Conference on The Role of Media in Indian Democracy,	Dr. K. Sailaja Dept.of Economics	February 27 th – 28 th , 2019.
"Liveability Standards in Indian Cities - A Study" (Joint Author), paper presented at the National Seminar on Social Economy of Human Development and Ease of Living in India	Dr. K. Sailaja Dept.of Economics	October 6 th - 7 th , 2018.
Unorganized Sector: Issues and Concerns" (Joint Author), paper presented at the UGC Sponsored National Seminar on Emerging Issues in Urban Development,	Dr. K. Sailaja Dept.of Economics	March 9 th - 10 th , 2019.
An Insight into the Status of Health Infrastructure for Tribals in India" (Joint Author), paper presented at the ICSSR-SRC Sponsored Two-day National Seminar on Modern Methods and Effectiveness of Tribal	Dr. K. Sailaja Dept.of Economics	March 18 th - 19 th , 2019.
The Role of Microfinance in	Dr. K. Sailaja Dept.of	June 26 th - 27 th , 2019.

the Agricultural Development in India” (Joint Author), paper presented at the Two-day National Seminar on Sustainable Agriculture in India	Economics	
Title Negotiating Socio-Cultural Spaces: Rethinking Dynamics of Gender Workshop	Prof S. PrasannaSree Dept. of English	31st March 2018
Emerging Analytics of Industrial Relations seminar	Prof. K. John Dept.of Human Resource Management	15 th and 16 th February, 2019
Effective Communication Skills Workshop	Prof. K. John Dept.of Human Resource Management	Feb 25 - Feb 28, 2019
Reforms in Labour Laws	Prof. K. John Dept.of Human Resource Management	17th March 2019
HR Excellence through Personality Development Workshop	Prof. K. John Dept.of Human Resource Management	31st March 2018
Fact Finding in Google Content Work shop in Fact Finding in Google Content	Journalism & Mass Communication	
A Two day National Workshop on Prabhata Sangiita Workshop	Prof. K. Saraswati Vidyarthi Dept.of Music & Dance	14.12.2018 & 15.12.2018
Two Day National Veena Seminar Global Perspectives of Veena Seminar	Prof. K. Saraswati Vidyarthi Dept.of Music & Dance	22.02.2019 & 23.02.2019
National Workshop On “Dasa Sahitya: Learning Kritis of prominent Kannada Vaggeyakaras set tune by Dr.Nedunuri Krishna Murthy garu Workshop	Prof. K. Saraswati Vidyarthi Dept.of Music & Dance	11.10.2018
Philosophy as foundation course at all levels education National seminar	Prof.K.R.Rjani Dept.of Philosophy	10,11, March 2018
Youth and civic engagement: Perspectives and prospects Seminar	Prof. R.D. Sampath Kumar SOCIAL WORK	22&23 March 2019
Organised Guest Lecture on India's Foreign Policy by Ambassador Achal Kumar Malhotra on 08.10.2018 at the UGC Centre for SAARC Studies, AU Workshop	Dr.V.Sreemannarayana Murthy, Asst. Professor, Dept. of Sociology	08.10.2018
Organised Guest Lecture on Indian Navy- Stabilizing Force in the Indo-Pacific by Commander B S Sekhon, Maritime Warfare Centre, Eastern Naval Command, Visakhapatnam Workshop	Dr.V.Sreemannarayana Murthy, Asst. Professor, Dept. of Sociology	08.12.2018
Conducted field studies on Rohingya Refugees in New Delhi Field Work	Dr.V.Sreemannarayana Murthy, Asst. Professor, Dept. of Sociology	July 2018
Pranayama & Meditation Workshop	Yoga & Consciousness	21 st June 2019

International Conference on Recent Inventions and Innovations in Mathematical Sciences (ICRIIMS-2019)	Prof. M.Vijaya Santhi Applied Maths	Feb 28 th & 1 st March, 2019
Recent Advances in Chemical, Pharmaceutical and Life Processes – RACPL 2019 International Conference	Prof. K.P.J. Hemalatha Biochemistry	13 th – 15 th July 2019
National Seminar on Environmental Health and Biotechnological Applications on Food & Pharma Industries (EHBAFPI) Seminar	Dr.V.Lakshmi Kalpana Dept.of Food & Nutrition	27 th -28 th October, 2018
M.Sc Food, Nutrition & Dietetics Environmental health & biotechnological applications in Food & Pharma Industries	Dr V.Lakshmi Kalpana Dept. of Food, Nutrition & Dietetics	27 th & 28 th October 2018
M.Sc Food, Nutrition & Dietetics Workshop on Healthy juices	Dr B.V.Sandeep & Dr M.Rajeswari	9 th August 2018
Two Day Students Workshop on Mining Software	Prof. M. Jagannadha Rao, Geology Department	31-07-19 to 01-08-19
National Seminar on “ Environmental Health and Biotechnological Applications on Food&PharmaIndustries(EHB AFPI) Seminar	Dr.V.Lakshmi Kalpana Dept.of microbiology	27 th -28 th October, 2018
Recent Advances in Inorganic and Analytical Chemistry Seminar	Inorganic & Analytical Chemistry	30 th July, 2018
"Basics of R for Life sciences" funded by Department of Biotechnology, Govt. of India during the period Workshop	Ms. K. Uma Devi Dept.of Botany	27-03-19 to 30-03-19
World Ocean Science Congress (WOSC) 2019 Seminar	Prof. S S V S Ramakrishna, Dept. of Meteorology & Oceanography	25 th – 27 th February, 2019
Relationship between Rossby waves and Indian summer monsoon depressions National seminar on Hydrology with a colloquium on Nature based solutions to water challenges	Prof. P Sunitha, Dept. of Meteorology & Oceanography and Mrs. K Nagalakshmi, RS.	22 nd - 24 th March, 2018
Role of aerosols and its variability on monsoon depressions movement and intensity Andhra University, National Seminar	Prof. P Sunitha, Dept. of Meteorology & Oceanography and Mrs. K Nagalakshmi, Zedek M.D, Ramlingeswara Rao, S and Bhanu Kumar, O.S.R.U	29 th – 30 th June, 2018
National Seminar on “ Environmental Health and Biotechnological Applications on Food & Pharma Industries (EHBAFPI)	Dr.V.Lakshmi Kalpana Dept.of microbiology	27 th -28 th October, 2018

”, Seminar		
Three day conference on 8 th InSPA International Conference on School Psychology	Prof. MVR. Raju Dept.of Psychology & Parapsychology	11 th to 13 th Oct, 2018
National Seminar on NSS 71 st and 72 nd Round Survey Results Seminar	Department of Statistics	23-24 August, 2018
Taxonomy and Diversity of Monogenoidean parasites of marine catfishes (Ariidae) from Visakhapatnam Coast, Bay of Bengal International Symposium on Malaria Biology and 29th National Congress of Parasitology on Basic and Applied Aspects	Prof. U. Shameem Dept.of Zoology	Dates: 1 st to 3 rd November 2018
Diversity of Monogenoidean Parasites of marine fishes - Traditional and Molecular approach. 3 rd National Symposium on Fish Parasites	Prof. U. Shameem, Dept.of Zoology	8 th -9 th , September, 2018.
One day Awareness workshop on ECBC	A. Revathi Devi Dept.of Architecture	10 th May 2019
Sustainable Initiatives in built Environment A One day seminar organized by Centre for Environment & Science	A. Revathi Devi Dept.of Architecture	11 th August, 2018
Recent Trends in use of Stainless steel in Architecture A one day Seminar organized by Building &	A. Revathi Devi Dept.of Architecture	14 th September, 2018
ETHOS A One day seminar presented by Geetha Balakrishna	A. Revathi Devi Dept.of Architecture	9 th July,2019
Lighting Design A one day seminar on trends in lighting design in the Digital Era by Sudeshna Mukhupodhyay, Chief Design Officer, Svarochi LED. By	A. Revathi Devi Dept.of Architecture	10 th July, 2019
Urban Design A one day Workshop on Urban Design by Ar. Sanjay Thorvy	A. Revathi Devi Dept.of Architecture	27 th July, 2018
Mural making A one day seminar by Artist T. Sri Lalitha on Mural Making	A. Revathi Devi Dept.of Architecture	25 th January, 2019
Trends and Technologies Today (TTT-2018) Workshop	Prof. P. Rajendra Prasad Department of Chemical Engineering	31-08-2018
Contaminated Soils: Subsurface Investigations and Remediation Workshop	Prof. C.N.V. Satyanarayana Reddy	July 15-16, 2018
Good Construction Practices Workshop	Prof. C.N.V. Satyanarayana Reddy	1 st & 2 nd October, 2018

Indian Geotechnical Conference 2018 Conference	Prof. C.N.V. Satyanarayana Reddy	13 th -15 th December, 2018
Waste Management : Trends and Challenges Work shop	Prof. S. Bala Prasad and Prof. Y. Abbulu Dept.of Civil Engineering	22 nd February, 2019
meta heuristic optimization in multi disciplinary research Two day hands on workshop	Prof.K.Vaisakh Dept.of Electrical engineering	26th – 27th October, 2018
Hands On Training Program on Photovoltaic System and DC Microgrids	Prof.K.Vaisakh Dept.of Electrical engineering	17th – 21st December, 2018
“Machine learning & IOT” One week work shop	Prof. K.Rama Sudha Dept.of Electrical engineering	December, 2018
“ Android Applications Development “three days workshop	Prof.N.Prema Kumar	26 th – 28 th March, 2019
Exploring the world through GIS Workshop	Prof.G.Jai Sankar Dept.of Geoengineering	14-15 November 2018
Water Resources Development& Management Workshop	Prof.G.Jai Sankar Dept.of Geoengineering	22 March, 2019
Remote Sensing and GIS in Health Management, Workshop	Prof.P.Jagadeeswara Rao	12-13August, 2018.
Free & Open Source Geospatial Engineering Workshop	Prof.P.Jagadeeswara Rao	November 2, 2018
Cyber Security	CSSE Workshop	03-05 October, 2018
Machine Learning Workshop	CSSE Workshop	15-16 Feb, 2019
YANTRIKA 2K19	Prof.S.K.Bhatti Mrs. J. Praveena Mrs.S.Udaya Keerthi Mrs.P.Krishna Bharathi (Mechanical Engineering)	February 17 th , 2019

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year : NIL

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
NIL				

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
NIL		

Name of the Start-up	Nature of Start-up	Date of commencement
NIL		

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department		No. of Ph. Ds Awarded
1.	Anthropology	6
2.	Commerce & Management Studies	40
3.	Economics	15
4.	Education	6
5.	English	18
6.	Fine arts	1

7.	Hindi	4
8.	History and Archeology	1
9.	Human Resource Management	8
10.	Journalism & Mass Communication	3
11.	Library & Information Science	3
12.	Music	1
13.	Philosophy	3
14.	Physical Education & Sports Sciences	14
15.	Political Science & Public Administration	9
16.	Sanskrit	1
17.	Social work	5
18.	Sociology	2
19.	Telugu	19
20.	Applied Mathematics	4
21.	Biochemistry	3
22.	Biotechnology	3
23.	Botany	9
24.	Environmental sciences	10
25.	Geography	2
26.	Geology	4
27.	Geophysics	4
28.	Human genetics	3
29.	Marine living resources	6
30.	Mathematics	7
31.	Meteorology & oceanography	10
32.	Microbiology	3
33.	Nuclear physics	1
34.	Physics	10
35.	Psychology & parapsychology	6
36.	Statistics	1
37.	Systems design in the department of physics	2
38.	Zoology	10
39.	Chemical engineering	9
40.	Chemistry	48
41.	Civil engineering	9
42.	Computer Science & Systems Engineering	14
43.	Electrical Engineering	8
44.	Electronics and Communication Engineering	17
45.	Geo-engineering	4
46.	Instrument Technology	7
47.	Marine Engineering	5
48.	Mechanical Engineering	17
49.	Metallurgical Engineering	2
50.	LAW	17
51.	Pharmaceutical Sciences	36

3.4.2 Research Publications in the Journals notified on UGC website during the year

Department	National Publication	International Publication	Total No. of Publication	Average Impact Factor, if any
Anthropology	--	02	02	1.1
Commerce&Management Studies	10	40	50	0.3
Economics	02	06	08	5.7
English	--	24	24	5.23
History	02	--	02	1.01

Journalism & Mass Communication	05	--	05	0.1
Philosophy	--	07	07	--
Physical Education	--	08	08	--
Social Work	03	01	04	--
Yoga & Consciousness	01	--	01	--
Appliedmaths	06	20	26	--
Biochemistry	--	11	11	--
Botany	11	13	24	--
Environmental Sciences	--	09	09	--
Food&Nutrition	01	--	01	--
Geology	07	10	17	--
Geography	01	12	13	--
Geophysics	03	05	08	--
Human Genetics	02	10	12	--
Inorganic and analytical chemistry	08	44	52	0.321
Marine living Recourses	04	07	11	--
Mathematics	--	36	36	--
Meteorology & Oceanography	04	14	18	--
Nuclear Physics	02	06	08	--
Physics	12	08	20	--
PNCO	03	14	17	--
Psychology & Parapsychology	05	06	11	--
Statistics	08	13	21	--
Zoology	02	09	11	--
Architecture	--	04	04	--
Chemical Engineering	02	29	31	--
Civil Engineering	09	26	35	--
Electronics and Communications Engineering	--	51	51	--
Electrical Engineering	20	19	39	--
Engg physics	--	02	02	--
Engineering chemistry	10	01	11	--
Engineering Mathematics	--	15	15	--
Geo engineering	07	29	36	--
Engineering Mathematics	07	46	53	--
Instrument Technology	--	12	12	--
Machanical Engineering	45	38	83	--
Marine Engineering	18	11	29	--

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

S.No.	Department	National	International	No. of publication
1.	Anthropology	-	International	02
2.	Economics	National	-	02
3.	English	National	-	01
4.	Hindi	National	-	05
5.	HRM	National	-	02
6.	Journalism&MassCommunications	National	-	04
7.	Philosophy	-	International	02
8.	Physical Education	National	-	03

9.	Social Work	National	-	03
10.	Sociology	National	-	02
11.	Biochemistry	National	-	01
12.	Biotechnology	-	International	01
13.	Geology	National	-	01
14.	Human Genetics	National	-	01
15.	Nuclear Physics	National	-	02
16.	Psychology & Parapsychology	National	-	10
17.	Architecture	-	International	01
18.	Civil Engineering	National	-	06
19.	Computer Science & Systems Engg	National	International	2+21=23
20.	Electronics & Communication Engineering	-	International	13
21.	Electrical Engineering	National	International	8+16
22.	Engineering Maths	-	International	01
23.	Metallurgical Engineering	National	International	13+11
24.	Dr. B.R. Ambedkar College of LAW	National	-	04

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Prof. M. Jagannadha Rao Dept.of Geology	An Invention Model that explains the Genesis of Bay of Bengal and Arabian Sea	NRDC/IPFC/VSP/PA/031/2018	2018
Prof. M. V. R. Raju Dept.of Psychology & ParaPsychology	2	--	2018
Prof. S.V. Naidu, Chemical Engineering	Applied 2019	--	--
Dr.Ch.A.I.Raju Chemical Engineering	Applied	201841025482	2018
Prof.Y.Srinivasa Rao Instrument Technology Department	Patent applied	20174011994S	
Prof. B.V. Appa Rao Marine Engineering	Patent application no. TEMP/E-1/14773/2017-CHE	Patent file no. 201741014482	2018

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
Work and Life Balance Among Schools Teachers	Prof. K. John	Asian Journal of Management	2018	--	Andhra University	--
Improving the Status of Women in	Prof. K. John	Research Guru: Online Journal of	2018	--	Andhra University	--

India: Contribution of Dr. B.R. Ambedkar		Multidisciplinary Subjects				
A Study on Emerging Patterns of Employment Global and Regional Trends	Prof. K. John	International Journal of Economic Research (IJMR) - Scopus	2018	--	Andhra University	--
Impact of Globalization on Industrial Relations	Prof. K. John	International Journal of Economic Research (IJMR) – Scopus	2018	--	Andhra University	--
Concept of Social Economy and Its Relevance to India	Prof. K. John	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	--	Andhra University	--
Social Economy of Weaker Sections (SC, ST, OBC, Differently Able and Minorities)	Prof. K. John	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	--	Andhra University	--
Effects of HRM Practices on Healthcare Employees’ Job Satisfaction in Benishangul Gumuz Regional State (BGRS), Ethiopia	Prof. K. John	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	--	Andhra University	--
HRM Practices for improving employees’ retention in Health Institutions, Benishangul Gumuz Regional State (BGRS), Ethiopia	Prof. K. John	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	--	Andhra University	--

The Relationship between HRM practices and Employees' retention in Benishangul Gumuz Regional State (BGRS), Ethiopia	Prof. K. John	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	--	Andhra University	--
Hitherto Unreported Lentinus species of Tribal Area of Visakhapatnam	Dr.S.Geetha	International Journal of Engineering Research and Application	2018	--	Andhra University	--
Gas Chromatography Mass Spectrometry Analysis of Volatile Compounds From Termitomyces heimii	Dr.S.Geetha	International Journal of Recent Scientific Research	2019	--	Andhra University	--
Diversity of Endophytic Fungi Associated with Tephrosia Purpurae from Eastern Ghats and the Coast of Bay of Bengal, India	Dr. P. Rajaramesh Kumar	International Journal of Innovative Science and Research Technology	2018	--	Andhra University	--
Diversity of Endophytic Fungi Associated with Tephrosia Purpurae from Eastern Ghats and the Coast of Bay of Bengal, India	Dr. K. Sunanda Kumari	International Journal of Innovative Science and Research Technology	2018	--	Andhra University	--
Fabrication of thin ¹³⁰ Te target foils for sub-barrier fusion studies	P.V. Madhusudhana Rao	Nuclear Instrumentation Methods in Physics Research A: Accelerators, Spectrometers, Detectors	2018-19	--	Department of Physics, Andhra University, Visakhapatnam, 530 003, India	--

Synthesis and Characterization of Metal Oxide-Doped Metal Oxide Nanoparticles and its Thermal Properties	P. V. Lakshmi Narayana	Journal of Nano science and Technology, Vol. No.5, Issue No.4, P.P.769-772	2018-19	--	Department of Physics, Andhra University, Visakhapatnam	--
Two-neutron transfer in $^7\text{Be} + ^9\text{Be}$ collisions	S. Appannababu	Phys. Rev. C 99, 064617 (2019)	2018-19	--	Department of Nuclear Physics, Andhra University, Visakhapatnam 530 003, India	--
Elastic scattering of the $^{12}\text{B} + ^{58}\text{Ni}$ system at near-barrier energies	S. Appannababu	Phys. Rev. C 99, 064613 (2019)	2018-19	--	Instituto de Física, Universidade de São Paulo, Rua do Matão, 1371, São Paulo 05508-090, São Paulo, Brazil	--
Fission like events in the $^{14}\text{N} + ^{181}\text{Ta}$ system	S. Appannababu	Phys. Rev. C 99, 034617 (2019)	2018-19	--	Departamento de Física Nuclear, Instituto de Física, Universidade de Sao Paulo, Código de Endereçamento Postal 05508 090, Brazil	--
Two-neutron transfer in the $^6\text{He} + ^{120}\text{Sn}$ reaction	S. Appannababu	Phys. Rev. C 99, 014601 (2019)	2018-19	--	Instituto de Física, Universidade de São Paulo, 05508-090, São Paulo, Brazil	--
Structural Studies of Sm/Zr Substituted Mg-Mn Ferrites	A. D. P. Rao	Chemical Science Transactions. Vol.8(2), PP.146-159	2018-19	--	Department of Physics, Andhra University, Visakhapatnam	--
Dielectric Properties of Sm/Zr Substituted Mg-Mn Ferrites	A. D. P. Rao	i-manager's Journal on Material Science, Vol.6(4), P.P.11-32	2018-19	--	Department of Physics, Andhra University, Visakhapatnam	--
A Chemometric Speciation Study of the	D.Nirmala Devi, P.Shyamala and A.	IOSR Journal of Applied Chemistry	March. 2018	--	Andhra University	--

Binary Ditopic Terephthalic Acid Dihydrazide and Divalent Metal Ion Systems in aqueous Medium.	satyanarayana	(IOSR-JAC)				
Formulation of Risk Management Plan for British Colonial Built Heritages in Visakhapatnam Coastal City in the wake of Hudhud Cyclone of 2014	Prof. G. Viswanadha Kumar	INTACH JOURNAL OF Heritage Studies	2018	--	Andhra University	--
Geometric features that describe reference frames in forming intuitive landmarks during spatial navigation	Pasala, Sudhir Kumar; Khamassi, Mehdi; Pammimi, VSC	COGNITIVE PROCESSING	2018	-	Andhra Univ, AU Coll Engn Autonomous, Dept Architecture, Waltair, Andhra Prades, India	-
Built environment and diabetes	Pasala, Sudhir Kumar)[3] ; Rao, AA (Rao, Allam Appa)[2] ; Sridhar, GR (Sridhar, G. R.	INTERNATIONAL JOURNAL OF DIABETES IN DEVELOPING COUNTRIES	2010	2.4	Andhra Univ, Coll Engn Autonomous, Dept Architecture, Visakhapatnam, Andhra Pradesh, India	24
Synthesis, characterization and performance analysis of multi-walled carbon nanotubes supported platinum catalyst for proton	Shaik Shadulla, K. Satish Raj & S. V. Naidu	Indian Chemical Engineer	2018	H Index 7	Department of Chemical engineering, AU CE(A), Andhra University	--

exchange membrane fuel cells						
Flow Field Orientation Effect on Performance of a Proton Exchange Membrane Fuel Cell using Nanocatalyst Support	Shaik Shadulla, K. Satish Raj & S. V. Naidu	Journal of Alternative and Renewable Energy Sources	2018	6.19	Department of Chemical engineering,AU CE(A), Andhra University	--
A comparative study on the thermal performance of water in a circular tube with twisted tapes, perforated twisted tapes and perforated twisted tapes with alternative axis	Sneha Ponnada, T. Subrahmanya, S.V. Naidu,	International Journal of Thermal Sciences	2019	4.00	Department of Chemical engineering,AU CE(A), Andhra University	--
A comparative study on heat transfer and friction factor characteristics of silicon carbide-water nanofluids in a circular tube fitted”,	Sneha Ponnada, T. Subrahmanya, S.V. Naidu,	Chemical Engineering Transactions	2018	H Index 29	Department of Chemical engineering,AU CE(A), Andhra University	--
An experimental investigation on heat transfer and friction factor of silicon carbide/water nanofluids in a circular tube”,	Sneha Ponnada, T. Subrahmanya, S.V. Naidu,	Energy Procedia	2018	1.3	Department of Chemical engineering, UCE(A), Andhra University	--
Use of plant biomass for removal of malachite green from aqueous solution and	P.Pallavi, Pulipati King and Y.Prasanna Kumar	RASAYAN J.Chem	2018	1.11	Department of Chemical engineering,AU CE(A), Andhra University	--

optimization using ventral composite design(CCD)						
Investigation on biosorption of Cd(II) onto Gelidiella acerosa(brown algae):Optimization using RSM and ANN and Mechanistic studies.	John D.Bulla, Sumalatha K, Pulipati King, Prasanna K.Yekula	Desalination and water treatment,	2018	H index - 45	Department of Chemical engineering, UCE(A), Andhra University	--
Equilibrium Isotherm, Kinetic Modelling and Characterization studies of Cadmium adsorption in an aqueous solution by activated carbon from Bauhinia purpurea leaves.	H.Joga Rao, Pulipati King	RASAYAN J.Chem,	2018	1.11	Department of Chemical engineering, UCE(A), Andhra University	--
Optimization of Cu(II) biosorption onto Sea Urchin test using Response surface methodology and Artificial neural networks.	D.John Babu, Pulipati King and Y.Prasanna Kumar	International journal of Environmental science and Technology	2018	2.031	Department of Chemical engineering, UCE(A), Andhra University	--
Application of Response surface methodology for optimization of cadmium adsorption in an aqueous solution by activated carbon prepared from	H.Joga Rao, Pulipati King and Y.Prasanna Kumar	RASAYAN J.Chem	2018	1.11	Department of Chemical engineering, AUCE(A), Andhra University	--

Bauhinia purpurea leaves.						
Effect of process parameters on adsorption of cadmium from aqueous solutions by activated carbon prepared from Bauhinia purpurea leaves.	H.Jogarao, Pulipati King and Y.Prasanna Kumar	Nature Environment and Pollution Technology	2019	2.236	Department of Chemical engineering, AUCE(A), Andhra University	--
Screening Of Pectinolytic Fungi And Optimization Of Process Parameters Using Guava Peel Powder As Substrate Under Solid State Fermentation	Prathibha Bezawada And Karothi Jaya Raju	International Journal of Engineering Science Invention (IJESI)	2018	IF 5.962	Department of Chemical engineering, UCE(A), Andhra University	--
Flow and heat transfer characteristics in a microchannel with asymmetric wall zeta potentials	A. Sailaja, B. Srinivas, B. Sreenivasulu, K.V. Ramesh	Lecture notes in Electrical Engineering	2018	--	Department of Chemical engineering, UCE(A), Andhra University	--
Mass transfer at the confining wall of a coiled flow inverter	G.V.S. Sarma, B.S. Subramanyam, M.S.N. Murthy, K.V. Ramesh	Heat and Mass Transfer	2019	4.73	Department of Chemical engineering, UCE(A), Andhra University	--
Maximizing the production of hydrogen and carbon nanotubes: Effect of Ni and reaction temperature	Syedvali Pinjari, Madan Kumar Kumaravelan, Venkat Chalapathirao Peddy,	International journal of hydrogen energy	2018	4.16	Department of Chemical engineering, UCE(A), Andhra University	--

	riganesh Gandham ,Jagannad harao Patruni , Sridevi Velluru , Pramod Kumar					
Biosorption of Eosin Yellow from an Aqueous Solution using Lysiloma latisiliquum seed powder: Kinetics and Isotherms,	P. Sai Pranav , Battu Sudhakar, K.V.S Karthik, V. Sridevi	International Journal of Innovative Research in Science,Engineering and Technology	2019	IF 7.089	Department of Chemical engineering, AUCE(A), Andhra University	--
Quantitative Study On Production Of Methyl Ester (Biodiesel) From Castrol Oil And Nannochloropsis Salina (Microalgae),	P.A. Satyanarayana, Aniket Das, P. Srinu, V. Sridevi, Ritesh Ranjan,	Int J Pharma Bio Sci	2019	IF 7.291	Department of Chemical engineering, AUCE(A), Andhra University	--
Design and Synthesis of Photosensitive Poly Pyrrole Poly Acrylic acid Nanoparticles	M. Chandan Kumar, V.Sridevi, D.V.S.Giris ,J.Ashok and D.Sri Vivek Dora	Int J Pharma Bio Sci	2019	IF 7.291	Department of Chemical engineering, AUCE(A), Andhra University	--
Optimization And Characterization Of Potential Phenol Degrading Bacterial Strain P3 Using Gen III Microlog Isolated From Soil Sample,	K.Punny, D.Divya Teja, K.Dayana and V. Sridevi	International Journal of Industrial Chemistry and Biotechnology	2018	1.09	Department of Chemical engineeringAU CE(A), Andhra University	--
Trans esterification of used cooking oil	Venugopal B, Satyanarayana P.A,	Materials Today Proceedings	2018	1.09	Department of Chemical engineering,AU CE(A), Andhra	--

and jatropha oil: Standardization of process parameters and comparison of fuel characteristics	Aniket Das, V.Sridevi				University	
Optimization of Castor Oil Transesterification using Central Composite Design (CCD); Chemical Composition of Fatty acids content using Gas Chromatography	P.A. Satyanarayana, V. Sridevi, Chaman Mehtha, B. Venu Gopal	Int. Journal of advanced science and Engineering	2019	IF 5.183	Department of Chemical engineering AUCE(A), Andhra University	--
Adsorption of Malachite green on to Lysiloma latisiliquum seed powder from aqueous solutions	P. Sai Pranav, B Bheemasankar reddy, Battu Sudhakar, V. Sridevi	International journal of advanced science and research	2019	5.12	Department of Chemical engineering, AU CE(A), Andhra University	--
Adsorptive removal of methylene blue through biosorption from aqueous solution using lysiloma latisiliquum seed powder	P.Ravikiran, Battu Sudhakar, P. Sai Pranav, V. Sridevi	Journal of engineering research and application	2019	H index 21	Department of Chemical engineering, AU CE(A), Andhra University	--
Maximizing the production of hydrogen and carbon nanotubes: Effect of Ni and reaction temperature	Syedvali Pinjari, Madan Kumar Kumaravelan, Venkat Chalapathirao Peddy, Sriganesh Gandham Jagannadharao	International journal of hydrogen energy	2018	4.16	Department of Chemical engineering, AU CE(A), Andhra University	--

	Patruni , Sridevi Velluru , Pramod Kumar					
Optimisation for Photocatalytic Degradation of Malathion by Box– Behnken Design	P.Neelim a Reddi, Bejawada Surendra, Punugoti Thanusha, Meena Vangalap ati	Journal of Materials Today Proceedings	2018	1.09	Department of Chemical engineering,AU CE(A), Andhra University	--
Optimization for the extraction of Bisphenol A; Response surface Methodology	S.Monica Nissy, Bezawada Surendra, K.Daniel Raju, Meena Vangalap ati	Materials Today Proceedings	2018	1.09	Department of Chemical engineering,AU CE(A), Andhra University	--
Extraction of effective phytochemical -saponin from herbal plant tribulus terristris	V.Sasikal a, Pingali Manasa, RSVB Mohan, Meena Vangalap ati	International Journal of Engineering and Technology	2018	H index- 20	Department of Chemical engineering,AU CE(A), Andhra University	--
Extraction of natural drug diosgenin from herbal plant tribulus terristris	Pingali Manasa, RSVB Mohan, V.Sasikal a, Meena Vangalap ati	International journal of application or innovation in engineering and management	2018	IF 9.315	Department ofChemical engineering,AU CE(A), Andhra University	--
Effect of quaternary ammonium salt addition to conventional biodiesel production process	Deepa Meghavth u Zakir Hussain Rakesh Kumar	International Journal of Engineering and Technology	2018-2019	H index- 20	Department of Chemical engineering,AU CE(A), Andhra University	--
Glimpses of dynamic biodiesel product pricing model	Deepa Meghavth u Zakir Hussain Rakesh Kumar	International Journal of Engineering and Technology	2018	H index- 20	Department of Chemical engineering,AU CE(A), Andhra University	--
Kinetics & thermodynami	Deepa Meghavth	International Journal of	2018	H index-	Department of Chemical	--

cs of adsorption process using spent-FCC catalyst”	u Zakir Hussain Rakesh Kumar	Engineering and Technology		20	engineering,AU CE(A), Andhra University	
Fixed bed and batch studies on biosorption of lead using Sargassum Tenerrimum powder: Characterization, Kinetics and Thermodynamics	M. Tukaram Bai, P. Venkateswarlu	Materials today: proceedings	2018	1.09	Department of Chemical engineering,AU CE(A), Andhra University	--
Object detection Using Deep	Ch. Anusha P.S. Avadhani	International Journal of Computer Applications	2018	-	Andhra University College of Engineering (A)	H index-I
Fine-Tuning Convolutional Neural Network Models for improvement of Object Detection Accuracy	Ch. Anusha P.S. Avadhani	International Journal of Engineering and Advanced Technology	2019	-	Andhra University College of Engineering (A)	--
Attack Tree Design and Analysis of Offshore Oil and Gas Process Complex SCADA System	M.V.V. Siva Prasad, P.S. Avadhani	International Journal of Computer – Applications	2019	-	Andhra University College of Engineering (A)	--
Remote Offshore Oil and Platform SCADA System Fault Tree Design and Minimal Cut Sets Analysis	M.V.V.Siva Prasad, P.S. Avadhani	International Journal of Computer Sciences and Engineering	2019	-	Andhra University College of Engineering (A)	-
Breast Cancer Prediction using Dimensionality Reduction UMAP with Machine Learning	Prof. D. Lalitha Bhaskari	Journal of Advance Research in Dynamical & Control Systems	2019		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--

Algorithms						
Development and Deployment of Wake on Lan (WOL) Handler in Network Environment	Prof.D. LalithaBhaskari	International Journal & Magazine of Engineering, Technology, Management and Research	2019		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
An Experimental Analysis on Texture Based classification Using Learning Algorithms	Prof. D. LalithaBhaskari	International Journal of Computer Sciences and Engineering(JCSE)	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
Transfer learning based classification of biomedical images using VGG16 architecture	Prof. D. LalithaBhaskari	Internal Journal of Research in Electronics and Computer Engineering(IJRECE)	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
A Synoptic Study on Sentiment Analysis algorithms and Applications	Prof. D. LalithaBhaskari	International Journal of Pure and Applied Mathematics	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
Implementation of Smart Carving based Image Recovery for Digital Forensic Applications Using Python	Prof. D. LalithaBhaskari	International Journal of Computer Application	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
A study on blockchain technology	Prof. D. LalithaBhaskari	International Journal of Engineering & Technology	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
A Novel Scalable Signature based Subspace Clustering Approach for Big Data	Prof. D. LalithaBhaskari	International Journal of Information Technology and Web Engineering (IJITWE)	2018		Department of CS&SE, AUCE(A), Andhra University, Visakhapatnam	--
Data	Prof. D.	International	2018		Department of	--

Compression Using Simulated Circular Indexing Transform(SCIT)	LalithaBhaskari	Journal Of Computer Application(IJCA)			CS&SE, AUCE(A), Andhra University, Visakhapatnam	
Intrusion Detection System For Big Data Driven Application Using Apache Spark	K. Raja Kumar. M. Kranthi Kumar	International Journal of Management , Technology And Engineering	2018		Andhra University	--
A Novel pilot based channel estimation technique using OFDM in vehicular communication	K.Raja Kumar BaduguSathama and Nagarjuna K	International Journal of Computer Networks and Wireless Communications (IJCNWC)	2019		Andhra University	--
Global Navigation satellite systems with essentials of satellite communications	Prof. G.Sasibhushana Rao	McGraw Hill	2010	73	Department of ECE, Andhra University	73
Investigation of GDOP for precise user position computation with all satellites in view and optimum four satellite configurations	Prof. G.Sasibhushana Rao	J. Ind. Geophys. Union	2009	30	Department of ECE, Andhra University	30
Mobile Cellular Communication	Prof. G.Sasibhushana Rao	Pearson	2012	29	Department of ECE, Andhra University	29
Electro Magnetic field theory and transmission lines	Prof. G.Sasibhushana Rao	Wiley India	2013	26	Department of ECE, Andhra University	26
GPS satellite and receiver instrumental biases estimation	Prof. G.Sasibhushana Rao	Journal of Earth System Science	2007	20	Department of ECE, Andhra University	20

using least squares method for accurate ionosphere modelling						
Satellite Clock Error and Orbital Solution Error Estimation for Precise navigation Applications	Prof. G.Sasibhusana Rao	Positioning Journal (Scientific-Research), SCI Journal	2014	19	Department of ECE, Andhra University	19
GPS Satellite and Receiver Instrumental Biases Estimation using SVD Algorithm	Prof. G.Sasibhusana Rao	IEEE TRANSACTIONS on AEROSPACE AND ELECTRONIC SYSTEMS (AES)	2008	18	Department of ECE, Andhra University	18
A new method of target tracking by EKF using bearing and elevation measurements for underwater environment	Prof. G.Sasibhusana Rao	ELSEVIER Journal of Robotics and Autonomous Systems	2015	17	Department of ECE, Andhra University	17
Estimation of reflectivity and shielding effectiveness of three layered laminate electromagnetic shield at X-band	Prof. G.Sasibhusana Rao	Progress In Electromagnetics Research	2010	16	Department of ECE, Andhra University	16
Performance analysis of orthogonal and biorthogonal wavelets for edge detection of X-ray images	Prof. G.Sasibhusana Rao	Procedia Computer Science	2016	141	Department of ECE, Andhra University	14
Station Placement for INWAAS – A preliminary study	Prof. G.Sasibhusana Rao	The Journal of Indian Geophysical Union	2000	13	Department of ECE, Andhra University	13

Performance analysis of collision alleviating distributed coordination function protocol in congested wireless networks—a Markov chain analysis	Prof. G.Sasibhusana Rao	IET networks	2013	12	Department of ECE, Andhra University	12
A new Dual Channel Speech Enhancement approach based on Accelerated Particle Swarm Optimization (APSO)	Prof. G.Sasibhusana Rao	International Journal of Intelligent Systems and Applications	2014	10	Department of ECE, Andhra University	10
A new approach to dual channel speech enhancement based on hybrid PSO-GSA	Prof. G.Sasibhusana Rao	International Journal of Speech Technology	2015	9	Department of ECE, Andhra University	9
Comparative analysis of wavelet thresholding techniques with wavelet-wiener filter on ECG signal	Prof. G.Sasibhusana Rao	Procedia Computer Science	--	--	Department of ECE, Andhra University	--
Analysis of reflectivity and shielding effectiveness of absorbing material—conductor laminate for electromagnetic compatibility	Prof. G.Sasibhusana Rao	Journal of Electromagnetic Analysis and Applications	2010	8	Department of ECE, Andhra University	8
Analysis of Reflectivity and Shielding Effectiveness of Absorbing	Prof. G.Sasibhusana Rao	Journal of Electromagnetic Analysis and Applications	2010	8	Department of ECE, Andhra University	8

Material – Conductor Laminate For Electromagnetic Compatibility						
An adaptive filter approach for GPS multipath error estimation and mitigation	Prof. G.Sasibhusana Rao	Microelectronics, Electromagnetics and Telecommunications	2016	6	Department of ECE, Andhra University	6
GPS signal Rician fading model for precise navigation in urban environment	Prof. G.Sasibhusana Rao	Indian Journal of Radio & Space Physics	2013	6	Department of ECE, Andhra University	6
GPS Signal Short-Term Propagation Characteristics Modeling in Urban Areas for Precise Navigation Applications	Prof. G.Sasibhusana Rao	Journal of Positioning,	2013	6	Department of ECE, Andhra University	6
Ionospheric delay estimation for improving the global positioning system position accuracy	Prof. G.Sasibhusana Rao	IETE Journal of Research	2008	6	Department of ECE, Andhra University	6
A Comparative Study on Handoff Algorithms for GSM and CDMA Cellular Networks.	Prof. G.Sasibhusana Rao	International Journal of Electrical & Computer Engineering	2017	5	Department of ECE, Andhra University	5
Printed planar circular radiating patch ultra wideband antennas	Prof. G.Sasibhusana Rao	Microsystem Technologies	2015	5	Department of ECE, Andhra University	5
Design of Biorthogonal Wavelets	Prof. G.Sasibhusana Rao	Computational Intelligence	2014	5	Department of ECE, Andhra University	5

Based on Parameterized Filter for the Analysis of X-ray Images		in Data Mining				
Development of Collision Alleviating DCF Protocol with Efficient Backoff Algorithm for Wireless Ad hoc Networks	Prof. G.Sasibhushana Rao	An International Springer Journal	2014	5	Department of ECE, Andhra University	5
“Error Analysis of satellite based global navigation system over the low latitude region”	Prof. G.Sasibhushana Rao	Journal of Current Science	2007	5	Department of ECE, Andhra University	5
Novel printed circular disc microstrip line fed monopole antennas for UWB applications	Prof. G.Sasibhushana Rao	J ACTA Electroteh	2009	5	Department of ECE, Andhra University	5
Investigation of Best Satellite–Receiver Geometry to Improve Positioning Accuracy Using GPS and IRNSS Combined Constellation over Hyderabad Region	Prof. G.Sasibhushana Rao	Wireless Personal Communications	2016	4	Department of ECE, Andhra University	4
Investigation of optimal wavelet techniques for de-noising of MRI brain abnormal image	Prof. G.Sasibhushana Rao	Procedia Computer Science	2016	4	Department of ECE, Andhra University	4
Fast fading mobile channel	Prof. G.Sasibhushana Rao	Procedia Computer Science	2016	4	Department of ECE, Andhra University	4

modeling for wireless communication						
Cross shaped slot printed UWB monopole antenna with notch function	Prof. G.Sasibhushana Rao	Microsystem Technologies	2015	4	Department of ECE, Andhra University	4
Modelling collision alleviating DCF protocol with finite retry limits	Prof. G.Sasibhushana Rao	Electronics Letters	2015	4	Department of ECE, Andhra University	4
Analysis of Throughput and Energy Efficiency in the IEEE 802.11 Wireless Local Area Networks using Constant backoff Window Algorithm	Prof. G.Sasibhushana Rao	International Journal of Computer Applications	2011	4	Department of ECE, Andhra University	4
Novel printed rectangular patch monopole antennas with slit ground plane for UWB applications	Prof. G.Sasibhushana Rao	The NEHU Journal	2010	4	Department of ECE, Andhra University	4
GPS satellite and receiver instrumental biases estimation using least squares method for accurate ionosphere modelling	Prof. G.Sasibhushana Rao	Journal of earth system science	2007	4	Department of ECE, Andhra University	4
A new approach for tracking moving objects in underwater	Prof. G.Sasibhushana Rao	Current Science	2016	3	Department of ECE, Andhra University	3

environment						
Teletraffic and blocking probability estimation of OFDMA system	Prof. G.Sasibhusana Rao	Procedia Computer Science	2016	3	Department of ECE, Andhra University	3
Modified Kalman Filter for GPS Position Estimation over the Indian Sub Continent	Prof. G.Sasibhusana Rao	Procedia Computer Science	2016	3	Department of ECE, Andhra University	3
A novel Approach for segmentation of sector scan SONAR images using adaptive thresholding	Prof. G.Sasibhusana Rao	Int. J. Inf	2012	3	Department of ECE, Andhra University	3
An Efficient Implementation of Tracking Using Kalman Filter for Underwater Robot Application	Prof. G.Sasibhusana Rao	International Journal of Computer Science, Engineering and Information	2012	3	Department of ECE, Andhra University	3
An energy efficient and Reliable Congestion Control Protocol for multicasting in mobile Adhoc networks	Prof. G.Sasibhusana Rao	International Journal of Computer Science and Information Security	2010	3	Department of ECE, Andhra University	3
A novel approach for efficiency enhancement and size miniaturization of UWB printed antennas	Prof. G.Sasibhusana Rao	Int J Eng		3	Department of ECE, Andhra University	3
SVD-based IWFA for next generation wireless MIMO communication	Prof. G.Sasibhusana Rao	ICT Express	2018	2	Department of ECE, Andhra University	2

n						
Expectation–Maximization Based Image Fusion Algorithm for Detection of Underwater Targets from SONAR Images	Prof. G.Sasibhushana Rao	Procedia Computer Science	2016	2	Department of ECE, Andhra University	2
Performance analysis of hyperbolic multilateration using circular error probability	Prof. G.Sasibhushana Rao	Procedia Computer Science	2016	2	Department of ECE, Andhra University	2
Tdoa measurement based gdp analysis for radio source localization	Prof. G.Sasibhushana Rao	Procedia Computer Science	2016	2	Department of ECE, Andhra University	2
Erlang Capacity Evaluation In Gsm And Cdma Cellular Systems	Prof. G.Sasibhushana Rao	International Journal Of Mobile Network Communications & Telematics	2012	2	Department of ECE, Andhra University	2
A Quantitive Evaluation Of Various Spatial Filters For Underwater Sonar Images Denoising Application	Prof. G.Sasibhushana Rao	Annals of the Faculty of Engineering	2012	2	Department of ECE, Andhra University	2
Unsupervised Machine Learning Algorithm for MRI Brain Image Processing	Prof. G.Sasibhushana Rao	Soft Computing for Problem Solving	2019	1	Department of ECE, Andhra University	1
Spectrum Sensing for Fading Wireless Channel Using Matched Filter	Prof. G.Sasibhushana Rao	Soft Computing for Problem Solving	2019	1	Department of ECE, Andhra University	1
Statistical Analysis of	Prof. G.Sasibhu	IJST		--	Department of ECE, Andhra	--

Underwater Acoustic Signal in the presence of Gaussian and Colored Noise	shana Rao				University	
Performance Analysis of Bandwidth Based Handoff Algorithm for 4G Heterogeneous Wireless Networks Based on WDHOP	Prof. G.Sasibhu shana Rao	ARNP Journal of Engineering and Applied Sciences	2017	1	Department of ECE, Andhra University	1
GPS Satellite and Receiver Instrumental Biases Estimation Linear Adaptive Filter Algorithm	Prof. G.Sasibhu shana Rao	Journal of Indian Geophysical Union	2005	1	Department of ECE, Andhra University	1
Interpolation of Ionospheric delay from IGP data for INWAAS	Prof. G.Sasibhu shana Rao	ICORG	2001	1	Department of ECE, Andhra University	1
Analysis of ultra-tight GPS/INS integrated system for navigation performance	Prof. G.Sasibhu shana Rao	Proceedings of IEEE conference	2007	22	Department of ECE, Andhra University	22
Optimization of GPS L1 acquisition using Radix-4 FFT	Prof. G.Sasibhu shana Rao	International Conference on Recent Trends in Information Technology	2011	7	Department of ECE, Andhra University	7
Unsupervised learning algorithm for MRI Brain Tumor segmentation	Prof. G.Sasibhu shana Rao	IEEE International Conference on Signal processing and communication	2017	5	Department of ECE, Andhra University	5
Performance evaluation of Fuzzy C	Prof. G.Sasibhu shana Rao	7th International Conference	2017	5	Department of ECE, Andhra University	5

means segmentation and Support Vector Machine classifications for MRI Brain Tumor		on Soft Computing for Problem Solving				
Application of bat algorithm in dual channel speech enhancement	Prof. G.Sasibhushana Rao	International Conference on Communication and Signal Processing	2014	5	Department of ECE, Andhra University	5
8 State rate 2/3 TCM code design for fading channel	Prof. G.Sasibhushana Rao	Annual IEEE India Conference	2008	5	Department of ECE, Andhra University	5
Erlang capacity evaluation of WCDMA systems under co-channel interference with adaptive antenna	Prof. G.Sasibhushana Rao	2nd International Conference on Recent Trends in Information	2015	4	Department of ECE, Andhra University	4
A novel approach for efficiency enhancement and size miniaturization of UWB antennas	Prof. G.Sasibhushana Rao	Applied Electromagnetics Conference	2009	4	Department of ECE, Andhra University	4
Unknown radio source localization based on a modified closed form solution using TDOA measurement technique	Prof. G.Sasibhushana Rao	International Conference on Recent Trends in Computer Science & Engineering	2016	3	Department of ECE, Andhra University	3
A Robust GPS signal Acquisition Technique using Discrete Wavelet Transform	Prof. G.Sasibhushana Rao	Elsevier International Conference on Computational Modeling and Security	2016	3	Department of ECE, Andhra University	3
Satellite Horizon Effects on	Prof. G.Sasibhushana Rao	international conference on soft	2017	2	Department of ECE, Andhra University	2

Temporal GPS Receiver Position Accuracy over Coastal Area of South India		Computing for Problem Solving				
Monostatic Radar Cross Section Estimation of Missile Shaped Object Using Physical Optics Method	Prof. G.Sasibhushana Rao	IOP Conference Series: Materials Science and Engineering	2017	2	Department of ECE, Andhra University	2
Sagnac Effect and SET Error based Pseudorange Modeling for GPS Applications	Prof. G.Sasibhushana Rao	Elsevier International Conference on Recent Trends in Computer Science	2016	2	Department of ECE, Andhra University	2
Fast Acquisition of GPS Signal using FFT Decomposition	Prof. G.Sasibhushana Rao	Elsevier International Conference on Recent Trends in Computer Science & Engineering	2016	2	Department of ECE, Andhra University	2
Robust multiclass ECG arrhythmia detection using balanced trained neural network	Prof. G.Sasibhushana Rao	International Conference on Electrical, Electronics, and Optimization	2016	2	Department of ECE, Andhra University	2
A Distributed Power Control Algorithm based on three-valued power update coefficients in CDMA mobile communication networks	Prof. G.Sasibhushana Rao	Annual IEEE India Conference	2010	2	Department of ECE, Andhra University	2
Development of a Three Layer Laminate for	Prof. G.Sasibhushana Rao	International Conference on Advances	2010	2	Department of ECE, Andhra University	2

better Electromagnetic Compatibility performance at X-band		in Information and Communication Technologies				
GPS Receiver Position Data Analysis for Accuracy Improvement	Prof. G.Sasibhushana Rao	Proceedings of the Eleventh National Conference on Communications	2005	2	Department of ECE, Andhra University	2
The innovative elliptical-cylindrical antenna array for radar diligences using SaDE optimization with hyper beam	Prof. G.Sasibhushana Rao	International Conference on Signal Processing, Communication, Power and Embedded System	2016	1	Department of ECE, Andhra University	1
Role of optimum satellite-receiver geometry in the accuracy of GPS Navigation solution-an investigation	Prof. G.Sasibhushana Rao	International Conference on Communications and Signal Processing	2015	1	Department of ECE, Andhra University	1
Power flow modeling of wind generators and study of their impact on the distribution system during different wind speeds	Prof. G.Sasibhushana Rao	International Conference on Electrical, Electronics, Signals, Communication and Optimization	2015	1	Department of ECE, Andhra University	1
Notice of Retraction Performance of fixed and variable step methods in determining unknown source position using TDOA	Prof. G.Sasibhushana Rao	International Conference on Electrical, Electronics, Signals, Communication and Optimization	2015	1	Department of ECE, Andhra University	1

techniques						
Performance evaluation of standard positioning service GPS receiver with LS and LQ estimators over southern region of Indian sub continent	Prof. G.Sasibhushana Rao	International Conference on Science Engineering and Management Research	2014	1	Department of ECE, Andhra University	1
A New CDMA Based 2.5 G Network Base Station Power Control Algorithm for Improving User Capacity	Prof. G.Sasibhushana Rao	Proceedings of the International Conference on Information Systems Design and Intelligent Applications	2011	1	Department of ECE, Andhra University	1
GPS satellite transmitted spread spectrum codes SNR modeling over the Indian subcontinent for precise positioning applications	Prof. G.Sasibhushana Rao	Annual IEEE India Conference	2011	1	Department of ECE, Andhra University	1
Performance Analysis of Linear and Nonlinear Spatial Filters for Noise Reduction in Image Processing	Prof. G.Sasibhushana Rao	International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas	2010	1	Department of ECE, Andhra University	1
Conversion of Underwater 2d Sonar Images to 3d	Prof. G.Sasibhushana Rao	National Conference on Advances in Signal Processing	2009	1	Department of ECE, Andhra University	1
Ionospheric Error Analysis of Indian WAAS	Prof. G.Sasibhushana Rao	Institute of Navigation ION GPS-2000	2000	1	Department of ECE, Andhra University	1
Design and analysis of firefly algorithm	Prof. P. Mallikarjuna rao	International	Bhubaneswar , India 28-30 March 2019	--	Andhra University	--

based PID controller for automatic load frequency control problem						
Control Of Coupled Tank Liquid Level System Using Sliding Mode Control	B.Amarendra Reddy, G. Ananda Rao, K. Anusha, B. Pavan Kumar	Helix Journal	2018	--	AU College Of Engineering	--
Design Of Sliding Mode Controller For Field Controlled DC Motor Under Parameter Uncertainties	K.Anusha, B.Amarendra Reddy, M.Ramesh	Helix Journal	2018	--	Andhra University	--
PID Controller Design For Non-Minimum Phase Time-Delay Systems Using Optimization Methods	B.Amarendra Reddy, M. Anil Kumar, K. Anusha, G. Ananda Rao	Helix Journal	2018	--	Andhra University	--
Performance of First and Second Order Sliding Mode Control Strategies For A Simple Pendulum	B.Amarendra Reddy, B.Pavan Kumar, G.Ananda Rao, K.Anusha	Helix Journal	2018	--	Andhra University	--
Computation Of Stability Regions For Third Order Systems Using Boundary Locus And Kronecker Summation Methods	B. Amarendra Reddy, M. Ramesh, Shaik Muaz	Jour of Adv Research in Dynamical & Control Systems 2018.	2018	--	Andhra University	--

3.4.6 h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Nil						
3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year : 2018-19						
No. of Faculty	International level	National level	State level	Local level		
Attended Seminars/ Workshops	62	120	26	46		
Presented papers	60	47	15	21		
Resource Persons	04	26	14	39		
3.5 Consultancy						
3.5.1 Revenue generated from Consultancy during the year						
Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)			
Dept. of Fine Arts 1 CRSP	NTPC, Simhadri	NTPC Simhadri	3,50,000/-			
Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Soundness Certificate	The Head Division M.E.M. School, Madhurawada, VSP	10,000/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s NCC Limited, VSP	9,522/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	M.Radhika& Others, VSP	66,600/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer-II, VUDA, VSP	34,322/-			
Dr. K.Rajasekhar Dept.of Civil Engineering	Structural stability certificate	Amar English Medium School, D.No. 3-98-3/1, LIC Colony,Pendurthi, VSP	10,000/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer, PIPLMC Division, VSP	23,600/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The Executive Engineer, CPWD, Visakhapatnam	37,184/-			
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The Executive Engineer, CPWD, Visakhapatnam	47,612/-			
Prof. Y.Abbulu& Prof. S.Adishesu Dept.of Civil Engineering	TPQA- Construction of "A" type School building boundary wall, staff quarters etc., for KV Tenali.	The Deputy head (Projects) Hindustan Steel works Construction Ltd., (VSP Steel Plant, VSP	102,366/-			
Prof. K.SrinivasaRao	Structural stability certificate	M/s Vaisakhi	11,800/-			

Dept.of Civil Engineering		Developers, B.Ramakrishna, Visakhapatnam	
Prof. Y.Abbulu Dept.of Civil Engineering	SPT Analysis & Recommendations	M.s Venkateswara Electricals, Visakhapatnam	26,550/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s Ketan Construction Limited, Anakapalle	13,748/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Wetting of drawing samples sewage treatment	M/s Maha Murthy Constructions, Visakhapatnam	11,800/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Wetting of drawing samples sewage treatment	M/s Hetious Engineers Constructions, Visakhapatnam	20,000/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Wetting of drawing Survey	M.s Hetious Engineers Constructions, Visakhapatnam	20,000/-
Prof. Y. Abbulu Dept.of Civil Engineering	Geotechnical Investigation Report	M/s Fame Builders, # S-8, 2nd Floor, Waltair Uplands, VSP	73,750/-
Prof. S.Adishesu Dept.of Civil Engineering	Structural stability certificate	Smt. Dibba Varalamma, D.No. 23-8-21, Gangabathilavari Street, VSP	8,000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s Simhadri Borewells, Visakhapatnam	34,440/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer, VCSD-5, CPWD, VSP	11,937/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Structural stability certificate	Holy Cross School, 10-168, Visalakshinagar, VSP-4.	10,000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Testing Reports	The Managing Partner, JHS Consulting, VSP	396,262/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s Ayyappa Infra Projects, Visakhapatnam	23778/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s Anajani Builders, D.No. 10- 50-14/6, 4th Floor, Siripuram, VSP	45,497/-
Prof. S.Adishesu Dept.of Civil Engineering	Structural Soundness Certificate	Vikas Vidyaniketan, Sheelanagar, VSP	10,000/-
Prof. S.Adishesu	Structural Soundness Certificate	Oakridge International School (OES),	10,000/-

		Tagarapuvalasa, VSP	
Dr. K.Rajasekhar Dept.of Civil Engineering	Structural stability certificate	The Commissioner, GVMC, Gajuwaka, VSP	10,000/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Soundness Certificate	S.T.Terasa's School, Baji Junction, VSP	12,000/-
Prof. Y. Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s S.V.S.Geotechnical Consultancy Services, Sri B.Anand, VSP	14,750/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	NCC Limited, VSP	42,892/-
Prof.G.V.R.SrinivasaR ao Dept.of Civil Engineering	Water Analysis	The Deputy Manager, HPCL, Visakhapatnam	358,878/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Structural stability certificate	M/s Divis Laboratories Limited, VSP	122,980/-
Dr. K.Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	BharatiyaVidyaBhav an's Public School, Salagrammapuram, VSP	10,000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Bore Testing Report	M/s SimhadriBorewells, VSP	27,034/-
Prof. Y. Abbulu Dept.of Civil Engineering	Bore Testing Report	Sri NookambikaBorewel ls&Geotech, VSP	36,875/-
Prof. K.Rambabu Dept.of Civil Engineering	Proof checking of Structural Designs& Drawing	The Principal, Raghu Engineering College, Vizianagaram	73,153/-
Prof.G.V.RamaRao Dept.of Civil Engineering	Structural Soundness Certificate	The President, Sri Rama E.M School, Bhemili, VSKP	11,500/-
Prof.G.V.RamaRao Dept.of Civil Engineering	Structural Soundness Certificate	The Principal, St. Ann's E.M. School, Bhemili, VSP	18,000/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer, P.R., VSP	121,735/-
Prof. Y.Abbulu	Bore Testing Report	M/s SimhadriBorewells, VSP	20,650/-
Prof.G.V.RamaRao Dept.of Civil Engineering	Report on V. C.C.Storm water drains	The Zonal Manager, APIIC, SEZ, Atchutapuram VSP	25,000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer, APEVIDC, Machilipatnam, VSP	11,800/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s VB Constructions, Visakhapatnam	71,390/-
Prof. Y.Abbulu Dept.of	Soil Investigation Report	M/s	11,800/-

Civil Engineering		NookambicaGeotech, Visakhapatnam	
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s VB Constructions, Visakhapatnam	14,160/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s Anglian Infra ASTRUCTU, Anakapalli	131,500/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The Executive Engineer, CPWD, Visakhapatnam	106,200/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	M/s KVR Consultancy Services, Secunderabad	171,100/-
Prof. D.S.R.Murty Dept.of Civil Engineering	Carrying out mix Design Calculating &Durability Tests wetting	L & T Visakhapatnam	40,500/-
Prof. G.V.RamaRao Dept.of Civil Engineering	Report V. C.C.Storm water drains	The Zonal Manager, APIIC, SEZ, Atchutapuram VSP	25,000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	The Executive Engineer, APEVIDC, Machilipatnam, VSP	11,800/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s VB Constructions, Visakhapatnam	47,335/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s NookambicaGeotech, Visakhapatnam	5,605/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s VB Constructions, Visakhapatnam	7,760/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The Executive Engineer, CPWD, Visakhapatnam	80,268/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	M/s KVR Consultancy Services, Secunderabad	122,117/-
Prof. D.S. R.Murty Dept.of Civil Engineering	Carrying out mix Design Calculating & Durability Tests wetting	L & T Visakhapatnam	40,500/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s MVV & MK Builders, Visakhapatnam	10,800/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s Sai Educational Institutions, VSKP	7080/-
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Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s Vijay Nirman Company (P)	23600/-

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Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Soundness Certificate	Malatamba Vidyanike tan School, P.M. Palem	12000/-
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Engineering			
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Prof. Y. Abbulu Dept.of Civil Engineering	Soil Investigation Report	The E.E. CPW, Visakhapatnam	17995/-
Prof. Y. Abbulu Dept.of Civil Engineering	Soil Investigation Report	M/s S.V.S. Geotechnical Consultancy Services, VSP	44250/-
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Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The Executive Engineer, PIPLMC Division, VSP	9440/-
Prof. Y. Abbulu Dept.of Civil Engineering	Soil Investigation Report	Sri Ch.S. Suryanarayana & Ch. Suryanarayana Sande shu, VSP	2700/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Division Drawing GVMC at Mudarsalova, VSP	M/s Land Sky Engineers Pvt. Ltd. Secunderabad	25000/-
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Prof. K. Srinivasa Rao Dept.of Civil Engineering	Field Investigation	The Executive Engineer, APMSIDC Division, VZM	25760/-
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Prof. C.N.V.S. Reddy & Dr. K.Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	The E.E. COSECS, Visakhapatnam	106200/-
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Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The E.E, CPWD, Visakhapatnam	12390/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The E.E, CPWD, Visakhapatnam	16225/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The E.E, CPWD, Visakhapatnam	12390/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The E.E, CPWD, Visakhapatnam	17700/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	The E.E, CPWD, Visakhapatnam	12390/-
Prof. Y. Abbulu Dept.of Civil Engineering	SPT Analysis	Green Park Hostels & Resorts Limited, Visakhapatnam	31020/-
Prof. K. SrinivasaRao Dept.of Civil Engineering	Fire screen drawings	S. Thartius Engineers Contractors, Visakhapatnam	10000/-
Prof. Y. Abbulu Dept.of Civil Engineering	318684, Union Bank	M/s Sraven Shipping Services Private Limited, Visakhapatnam	30090/-
Prof. Y. Abbulu Dept.of Civil Engineering	Soil Investigation Report	Sm.t N. Padmavathi&Venkat aPadamavathi Builders, Developers , Vizianagaram	5900/-
Prof. Y. Abbulu & Prof. S.Adishesu	Soil Investigation Report & Structural Design report	The Project Manager, Visakhapatnam Steel Plant, VSP	159507/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	Sri Avantika, Visakhapatnam	44840/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	UD & Disturbed Soil samples	The Executive Engineer, Public Health Division, Eluru	9440/-
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Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Geotechnical Investigation Report	M/s Mahalakshmi Infra Projects, Visakhapatnam	64900/-
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		Colony, Ayyannapeta, VZM	
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Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s A.E.E., R&B Section, Chodavaram, Visakhapatnam	5900/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Soundness Certificate	The Deputy Executive Engineer, RWS&S, Tekkali,	23600/-
Prof. K.Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Akshkra, E.M. School, Isukathota, Visakhapatnam	8000/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	The Mandal Parishad Development Officer, Mandal PrajaParishad, Sompeta	20060/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Lift wall drawings of VidyutSekha Building	M/s APEPDCL, Visakhapatnam	17700/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Additional infrastructure facilities at Junior college at Nellimarla	The Executive Engineer, SamagraSikhsa Abhisen, Viziangaram.	23600/-
Prof. Y.Abbulu Dept.of Civil Engineering	SPT Analysis & Recommendations	M/s MVV & MK Housing, Law/s Bay Colony, Visakhapatnam	35400/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s SCL Infratech Limited, Vizianagaram	9500/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Little Garden High School, Town kotha Road, New Reading room, VSP	10000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Sri ShantiniketanVidyala yam, E.M. School, Jani junction, Gopalapatnam, VSP	9000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Sri ShantiniketanVidyala yam, Naidu Thota, Vepagunta, VSP.	9000/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	Sri B. Rambabu, Executive Engineer (FAC), Special Investigation Division, Srikakulam.	18880/-

Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	The Assistant Executive Engineer (PR), PIU Sub Division, Saluru	12272/-
Prof. C.N.V.S. Reddy Dept.of Civil Engineering	Soil Investigation Report	M/s SR Construction , Anantapuram for the EE (FAC), SID, SKLM	14160/-
Prof. K.SrinivasaRao Dept.of Civil Engineering	Structural Soundness Certificate	Sri Vijetha E.M. School, Arilova, VSP-40	20000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Narayana E.M. School, PM Palem VSP	10000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Narayana E.M. School, Waltair Uplands, VSP	10000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Lotus Public School, VUDA Colony, Madhurawada, VSP	8000/-
Prof. Y.Abbulu Dept.of Civil Engineering	Soil Investigation Report	Sarada Metals & Alloys Limited, VSP	4425/-
Dr. K. Rajasekhar Dept.of Civil Engineering	UPV Test report	M/s CNR Infra Tech, Visakhapatnam	85000/-
Dr. K. Rajasekhar Dept.of Civil Engineering	Structural Soundness Certificate	Savani Heritage Conservation Pvt. Ltd, VSP	20000/-
Prof. D.LalithaBhaskari, Dept. of Computer Science & Systems Engineering	PASCAL VOC Challenge semantic Segmentation using ResUnet architecture	Exa wizards, Tokyo, JAPAN	2.5 lac
Prof.Kuda Nageswara Rao Dept. of CS & SE	Visakhapatnam Metropolitan Region Development Authority (VMRDA) A statutory Autonomous body of Govt. of A.P	S/W Development, Website Design & Development, Network Management and Maintenance	21 Lakhs Per Annum (2019-20)
Dr.R.Srinu Naik	Meters Testing	--	36,000/-
Prof. G. Jaisankar, Head & Dept.of Geoengineering Prof.V.Venkateswara Rao (Retd.)	Groundwater Investigation	VUDA, Visakhapatnam	20800
Prof. P. Jagadeeswara Rao Dept.of Geoengineering	Groundwater Investigation	M/s TATA Projects Ltd., Odisha	53460
Prof. G. Jaisankar, Head & Dept.of Geoengineering Prof.V.Venkateswara Rao (Retd.)	Geotechnical Investigation	M/s PSK-HES (JV), Visakhapatnam	179360
Prof. G. Jaisankar,	Geotechnical Investigation	M/s Air-Oil	20,650

Head & Dept.of Geoengineering Prof. V.Venkateswara Rao (Retd.)		FlaregasPvt., Ltd.,	
Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.) Dept.of Geoengineering	Geotechnical Investigation	M/s Air-Oil FlaregasPvt., Ltd.,	38940
Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.) Dept.of Geoengineering	Geotechnical Investigation	M/s PSK- Infrastructures & Projects Pvt., Ltd., TUNI	47200
Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.) Dept.of Geoengineering	Geotechnical Investigation	M/s PSK- Infrastructures & Projects Pvt., Ltd., TUNI	10620

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
CSSE	3 months certification programme on Cyber Security	Indain Armed personnel, DGR, GoI	15,000/0 per candidate	60
Marine Engineering AUCE(A)	3 months certification programme on Naval Architecture & Marine Engineering	Indain Armed personnel, DGR, GoI	15,000/0 per candidate	60
Chemical Engineering AUCE(A)	3 months certification programme on Fire & Industrial and Safety Engineering.	--	15,000/0 per candidate	40
Meteorology & Ocenography, College of Science & Technology	3months certification courses on Disaster Management	--	10,000/0 per candidate	40

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers coordinated in such activities	Number of students participated in such activities
LN-4 PROSTHETIC HAND CAMP	ROTARY CLUB	10	50
BLOOD DONATION CAMP	NTR TRUST BLOOD BANK	8	250
Training of Trainers	AU NSS Cell & RGNIYD,	8	40

programme on Employability Skills	Sriperumbudur		
National Integration Camp	J.N.T.U, Hyderabad	1	6
State NSS Awards	Govt. of Andhra Pradesh 24.09.2018 at Sri Krishna Devaraya University, Ananthapuram	2	2
Workshop on Prevention of Child Marriages	National Institute of Rural Development (NIRD), Hyderabad	1	1
National Adventure Training Camp	Ministry of Youth Affairs & Sports, Govt. of India 28.10.2018 to 06.11.2018 at Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports, Dharmashala (Himachal Pradesh)	1	10
West Zone NSS Pre-Republic Day Parade Camp	Nagpur University, Nagpur 25.11.2018 to 04.12.2018 at Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur	1	8
Orientation workshop on Child Protection Issues	Southern Regional Centre of National Institute of Public Cooperation and Child Development (NIPCCD), Bangalore	1	1
National Integration Camp	Regional Directorate of NSS, Patna	1	8
State level NSS Youth Festival	Govt. of Andhra Pradesh 13 - 14 Dec. 2018 at Acharya Nagarjuna University, Guntur	1	22
National Integration Camp	Regional Directorate of NSS, Hyderabad & Telangana University, Nizamabad 15-21 Dec. 2018 at Telangana University Campus Nizamabad.	1	8
Republic Day Parade Camp	Govt. of India, New Delhi	-	2
National Integration Camp	Ministry of Youth Affairs & Sports, Govt. of India 18-24 Jan. 2018 at Banaras Hindu University, Varanasi, Lucknow	-	3

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Essay Writing	Certificate and Medal	Statistics and Department of Andhra University	1

Elocution	Certificate and Medal	Andhra Univeristy	1
Taekwando Men	Certificate and Cash prize	Maharshi Dayanand University, Rohtak	1
Cricket (Women)	Gold	Andhra University	17
Roller Sports, Solo Dance (M)	Gold	MDU, Rohtak	1
Roller Sports, Free Style (M)	Silver	MDU, Rohtak	29
Roller Hockey (W)	Bronze	MDU, Rohtak	09
Badminton (W)	Bronze	VIT, Vellore	05
State NSS Awards	Four best State NSS Awards	Sri Krishna Devaraya University, Ananthapuram	3

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
English Communication Skills Pilot project	A.P State Council of Higher Education and British Council	Offline and Online courses for improving their vocabulary	2 Master Trainers	208 (Engineering + MBA+MCA)
APTIST	A.P State Council of Higher Education and British Council	Exam for Pilot Project	4 Invigilators	68
Swachh Bharat	Andhra University	Cleaning the surrounding	Department Heads, Faculty	All the students of Andhra University
Kargil week Rally	Andhra University and Army Officials	In remembrance of Kragil war	Deans , VC and other official bodies	200
Swachh Bharat Sewa Campaign	GVMC, Visakhapatnam	Swachh Bharat	3	43
Jnanabheri	Government of Andhra Pradesh	Knowledge Summit	2	68
Protest against Asifa's precondition	Police Department, Visakhapatnam, Andhra Pradesh	Rally	10	90
National Integration Camp	Regional Directorate of NSS, Patna	National Integration Camp	1	8
National Integration Camp at Telangana University	2018 organised by the Regional Directorate of NSS, Hyderabad in collaboration with Telangana University, Nizamabad.	National Integration Camp	1	8
National Integration	Ministry of Youth Affairs & Sports, Govt.	Pravasi Bharatiya Divas	1	3

Camp and 15 th Pravasi Bharatiya Divas from 18 th to 24 th January, 2018 at Banaras Hindu University, Varanasi, Lucknow	of India.			
National Adventure Training Camp	Atal Bihari Vajpayee Institute of Mountaineering & Allied Sports, Dharmashala (Himachal Pradesh)	Atal Bihari Vajpayee Institute	1	10
West Zone NSS Pre-Republic Day Parade Camp	Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur from 25.11.2018 to 04.12.2018.	West Zone NSS Pre-Republic Day Parade Camp	1	8
State level NSS Youth Festival	Acharya Nagarjuna University, Guntur on 13 th & 14 th December, 2018.	State level NSS Youth Festival	1	21
Republic Day Parade Camp held at New Delhi from 1 st to 30 th January, 2019.	St. Joseph's College for Women, Visakhapatnam	Republic Day Parade Camp	1	2
orientation programme on NSS Policies and Programmes	Govt. of A.P., Velagapudi	NSS Policies and Programmes One-day Orientation	2	50
Nehru Yuva Kendra, Ministry of Youth Affairs & Sports, Govt. of India	Andhra University, Visakhapatnam	District Youth Parliament	5	100
Launching of UNICEF Project	Andhra University, Visakhapatnam	Engagement of Young Volunteers under National Service Scheme in Vizianagaram district for Social and Behaviour Change	5	70
Swachh Bharat Programmes	Programmes in all the NSS Units under the jurisdiction of Andhra University	Swachh Bharat Programmes	--	500
70 th Republic Day celebrations	Andhra University organized the 70 th Republic Day	70 th Republic Day celebrations	50	200

	celebrations at Golden Jubilee Grounds, Andhra University, Visakhapatnam.			
Participation in National Integration Camp at Medak, Telangana	Participation in National Integration Camp at Medak, Telangana	National Integration Camp	1	6
The programme is about Grama Darshini	State Government	Multi Disciplinary Teams	1	8
World AIDS Day on 01.12.2018	Nodal Officer for AIDS Control, Visakhapatnam organized a Massive Rally on World AIDS Day	World AIDS Day on 01.12.2018	1	10

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
3 month certification course on CYBER Security Dept.of Computer Science & Systems Engineering	Armed personnel	DGR, Ministry of Defence, GoI	3 months
Consulting Dept.of Electrical Engineering	HCL, HPCL, L&T	INDIVIDUAL	July to April 2018-2019
Groundwater Investigation	Prof. G. Jaisankar, Head & Prof.V.Venkateswara Rao (Retd.)	VUDA, Visakhapatnam	2 days
Groundwater Investigation	Prof. P. Jagadeeswara Rao	M/s TATA Projects Ltd., Odisha	6 days
Geotechnical Investigation	Prof. G. Jaisankar, Head & Prof.V.Venkateswara Rao (Retd.)	M/s PSK-HES (JV), Visakhapatnam	8 days
Geotechnical Investigation	Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.)	M/s Air-Oil FlaregasPvt., Ltd.,	3 days
Geotechnical Investigation	Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.)	M/s Air-Oil FlaregasPvt., Ltd.,	4 days
Geotechnical Investigation	Prof. G. Jaisankar, Head & Prof. V.Venkateswara Rao (Retd.)	M/s PSK-Infrastructures & Projects Pvt., Ltd., TUNI	4 days
Geotechnical	Prof. G. Jaisankar, Head &	M/s PSK-Infrastructures	4 days

Investigation	Prof. V.Venkateswara Rao (Retd.)	& Projects Pvt., Ltd., TUNI		
3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Internship	Practical Exposure	TV9, Sakshi TV, NTV, Hindu, Statesman, Vaaji TV, Leader	Four Weeks	60 Students
Internship	PG Dip. In Yoga Therapy	Dr.MantenaSatyanarayanaRajuArogyaalayam Amaravati Road, Vijayawada. Cell : 9848966888	1 st July to 31 st July 2019	14 students
Internship	collaborated for internship, student projects and also provide placements	Global Hospitals & Research Institute, Hyderabad	2018-2019	B.Pharma Students of AU Pharmaceutical college
Internship	collaborated for internship, student projects and also provide placements	Care Hospitals, Visakhapatnam	2018-2019	B.Pharma Students of AU Pharmaceutical college
Academic Collaboration	Dissertation in M.Sc Oceanography	National Institute of Oceanography, Goa	19-12-2018 to 19-04-2019	02
Academic Collaboration	Dissertation in M.Sc. Meteorology	National Centre for Earth Science Studies (NCESS), Thiruvanthapuram	19-12-2018 to 19-04-2019	02
Academic Collaboration	Dissertation, m.Tech Atmospheric Science	Indian Institute of Tropical Meteorology (IITM), Pune	19-12-2018 to 19-04-2019	01
Academic Collaboration	Dissertation, m.Tech Atmospheric Science	Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam	19-12-2018 to 19-04-2019	03
Course Curriculum development	Case Studies & Project	K.G.H., Government Mental Health Care Hospital, Nervous & Brain Diseases Clinic, SOS Orphanism, Alcoholic De-addiction Centre, All Schools, Prema Samajam, Industries,	July to Oct 2018 and Dec to March 2019	Students, Scholars, Guest Faculty and Faculty of the department of Psychology

		Central Prison etc.		
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Ramco Cement Limited, Jaggayyapeta	September 2018-To till date	1- M.Tech Student I.J.Sravana valli
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student S. Lakshmi Sandhya Rani
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student P.N.R.L.Sud hishna
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student T.J. Sai Lakshmi Gayatri
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student Bh. Ram Bharadwaj
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student P.Noothana
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student Ch.H.Suhari ka
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Indian Institute of Chemical Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State	September 2018-To till date	1- M.Tech Student M.Phani Ratna Sudheer
Academic	Case Studies & M.Tech	Indian Institute of Chemical	September 2018-To till date	1- M.Tech Student K.

Collaboration	Project Dissertation	Technology (IICT),Tarnaka, Uppal Road,Hyderabad-500 007, Telangana State		Himaja
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Planning and Human Resource Management Division Resources Management and Public Awareness Group SPHRDD, RMG,IGCAR Kalpakkam-603102	September 2018-To till date	1- M.Tech Student M.S.K.Mahalakshmi
Academic Collaboration	Case Studies & M.Tech Project Dissertation	Awareness Group SPHRDD, RMG,IGCAR Kalpakkam-603102	September 2018-To till date	1- M.Tech Student G.Sri Poojitha
Academic Collaboration	Case Studies & M.Tech Project Dissertation	CSIR-NML Madras Centre, Chennai-603113	September 2018-To till date	1- M.Tech Student B.Abhinaya Jahnvi
Academic Collaboration	Case Studies & M.Tech Project Dissertation	CSIR-NML Madras Centre, Chennai-603113	September 2018-To till date	1- M.Tech Student Ch.Majundar
Academic Collaboration	Case Studies & M.Tech Project Dissertation	CSIR-NML Madras Centre, Chennai-603113	September 2018-To till date	1- M.Tech Student S.Abhinay
Academic Collaboration	Case Studies & M.Tech Project Dissertation	CSIR-NML Madras Centre, Chennai-603113	September 2018-To till date	1- M.Tech Student Y. Gnana Sirisha
Academic Collaboration	Case Studies & M.Tech Project Dissertation	IIT, Guwahati	September 2018-To till date	1- M.Tech Student Draksharapu Rammohan
Collaborative research	Study on adequacy of and/or modification for the existing effluent treatment plant	Brandix Apparel City, Visakhapatnam	2018-19	1
Academic Collaboration	Internship	BSNL	1 st May to 30 th June	B.Tech
Academic Collaboration	Internship	All India Radio	1 st May to 30 th June	B.Tech
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	BODASRU NGI LALITH SAI SRIRAM
Academic Collaboration	Internship	HPCL	13-05-2019 TO 30-05-2019	BUDIDA TEJASWI

Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	CHEEPURU PALLI CHAITANYA SAI VAMSI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	GARAPATI JAHNAVI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	GORLE AVINASH RAHUL
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	GULLIPALLI GOUTHAMI
Academic Collaboration	Internship	HPCL	13-05-2019 TO 30-05-2019	K PRASANTHI
Academic Collaboration	Internship	BHEL, VSKP	01-05-2019 TO 1-06-2019	KAKARLA PUDI SIVACHANDRA
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	KAKI NAGARJUNA
Academic Collaboration	Internship	GAIL	26-12-2018 TO 10-01-2019	MANDULA RACHANA
Academic Collaboration	Internship	PLC, SCADA	01-05-2019 TO 16-05-2019	MODUGURAM MOHAN RAO
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	NALLABILLI SWATHI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	SHAIK SHARUK
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	SIMHADATI HARISH KUMAR
Academic Collaboration	Internship	APGENCO	18-05-2018 TO 31-05-2018	SURI SAI LAKSHMI SARASWATHI
Academic Collaboration	Internship	HPCL	13-05-2019 TO 30/05/2019	VIYYAPU BHAVYASRI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	YELURI ANUSHA
Academic Collaboration	Internship	ELECTRICAL REPAIR SHOP	29-04-2019 TO 11-05-2019	ATLA PADMAJA

Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	BUDI GANESH
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	ANALA SAI KUMAR
Academic Collaboration	Internship	GAIL	28-12-2018 TO 09-01-2019	ANUSHA GURUGUBELLI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	HAREESH PRAGADA
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	MONOHAR KOLA
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	NALABRO LU MOSES ABHISHEK
Academic Collaboration	Internship	MI AND AI	23-06-2019 TO 30-06-2019	P.YASWANTH KUMAR
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	POORNA MUKUND PAMPANI
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	SAI DURGA SATYA PRASAD MATTA
Academic Collaboration	Internship	PLC, SCADA	31-12-2018 TO 12-01-2019	1
Academic Collaboration	Internship	National Remote Sensing Agency-Hyderabad (ISRO)	One year	2
Academic Collaboration	Internship	Indian Institute of Remote Sensing – Dehradun (ISRO)	One year	2
Academic Collaboration	Internship	National Institute of Rural Development-Hyderabad	One year	1
Academic Collaboration	Internship for B.Tech Students Project Works	National Remote Sensing Agency-Hyderabad (ISRO)	6 Months	2
Internship	B.Tech Students Project Works	Indian Institute of Remote Sensing – Dehradun (ISRO)	6 Months	2
Internship	B.Tech Students Project Works	National Institute of Rural Development-Hyderabad	6 Months	1
Academic Collaboration	B.Tech Students Project Works	Vizag Steel Plant Hindustan Shipyard Limited	6months	5
Academic	B.Tech Students	Benchmark Solutions	6months	5

Collaboration	Project Works			
Academic Collaboration	B.Tech Students Project Works	Datapro	6months	5
Academic Collaboration	B.Tech Students Project Works	AUCEW	6months	4
Academic Collaboration	B.Tech Students Project Works	Millineum Software Solutions	6months	6
Academic Collaboration	B.Tech Students Project Works	Millineum Software Solutions	6months	4
Academic Collaboration	B.Tech Students	Technosoft Solutions	6months	5
Academic Collaboration	Project Works	Technosoft Solutions	6months	3
Academic Collaboration	Project Works	AUCEW	6months	4
Academic Collaboration	Project Works	Millineum Software Solutions	6months	5
Academic Collaboration	Project Works	Technosoft Solutions	6months	5
Academic Collaboration	Project Works	Technosoft Solutions	6months	4
Academic Collaboration	Project Works	Benchmark Solutions	6months	5

3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Wachemo University, Ethiopia, North East Africa and Andhra University	01-01-2018	To encourage academic & Research Coloration between two Universities	Exchange of Teaching & Non-Teaching personal, Students, Development of Courses academic programs , Scholarship & Fellowship for Ph.D. Students, Scientific & Technological Research Matters
HPCL (Hindustan Petroleum Corporation Limited) and Andhra University	27-03-2018	Renovation and provision of Lab Furniture and Equipment of Physical Chemistry Lab at School of Chemistry,	Purchase of Lab Furniture / Construction / Renovation of Physical Chemistry Lab, with financial assistance supported by HPCL

		Andhra University, Visakhapatnam	
Millennium University, Blantyre, Malawi and Andhra University, Visakhapatnam	02-07-2018	Staff Development of curriculum revision & Development Research Publications of Andhra University	Academic Staff Development student exchange of Andhra University up to five years with effect from 02-07-2018
Centre for Economics & Social Studies and Andhra University, Visakhapatnam	30-07-2018	Regarding the execution of RUSA works in the Andhra University campus	Regarding the execution of RUSA works in the Andhra University campus
Andhra Pradesh Education Welfare Infrastructure Development Corporation (APEWIDC), Andhra Pradesh & Andhra University, Visakhapatnam	04-09-2018	For execution of civil works in Andhra University campus, Visakhapatnam	With financial assistant supported by Rashtriya Uchchar Shiksha Abhiyan (RUSA), Andhra Pradesh
Indian Coast Guard and Andhra University, Visakhapatnam	01-11-2018	For award of P.G. Degree to Indian Coast Guard Officers, New Delhi	Towards academic and technical advancement progression of Indian Coast Guard Officers under the Ministry of Defence, New Delhi
Indian Coast Guard and Andhra University, Visakhapatnam	01-11-2018	For award of Doctoral Research to Indian Navy officers, New Delhi	Academic Collaboration between Indian Coast Guard officers under the Ministry of Defence, New Delhi and Andhra University
Indian Coast Guard and Andhra University, Visakhapatnam	01-11-2018	For award of U.G/P.G/Diploma Degree to Indian Coast Guard enrolled personal	Academic Collaboration between Indian Coast Guard personal under the ministry of Defence and Andhra University
Kendriya Sainik Board, Department of Ex- Servicemen Welfare (ESW), Ministry of Defence (MoD) and Andhra University, Visakhapatnam	01-11-2018	For award of Graduation Degree to Ex-Serviceman Welfare (ESW), under Ministry of Defence, New Delhi	To provide higher Educational and Technical qualification to Indian armed courses, Navy under Ministry of Defence, New Delhi
National Institute of Disaster Management Ministry of Home Affairs Government of India, New Delhi and Andhra University, Visakhapatnam	01-11-2018	For awarding academic and Professional training on / offline Degrees by Diplomas / Certificates Jointly	Creating a multi-disciplinary Centre of Excellence in Disaster Mitigation & Management at Andhra University, Visakhapatnam
Promoting cooperation in academics, collaborative research, and Faculty-Student exchange programs of Lincoln University	15-02-2019	For herein represented by Dr. Amiya Bhaumik, in his capacity as CEO & Vice-Chancellor of LINCOLN University	Herein represented by Dr. Amiya Bhaumik, in his capacity as CEO & Vice- Chancellor of LINCOLN University College

College		College	
the Indian Air Force Educational & Cultural Society and Andhra University,	20-02-2019	For admission in Undergraduate Courses for the wards of IAF personnel.	For this Memorandum of Understanding (hereinafter referred to as "MOU") is signed this Thursday the 21 st day of February of Two Thousand Nineteen at New Delhi.
Indian Navy and Andhra University.	20-02-2019	For Doctoral Research by Indian Navy Officers	The Indian Navy (hereinafter referred to as "First Party") of the one part and the Andhra University (hereinafter referred to as "Second Party") of the other part.
Indian Navy and Andhra University.	20-02-2019	For providing Higher Education Facilities for Naval Personnel	The Indian Navy (hereinafter referred to as "First Party") of the one part and the Andhra University (hereinafter referred to as "Second Party") of the other part.
Indian Navy and Andhra University.	20-02-2019	For lateral Entry of Indian Navy Cadets of National Defence Academy and Indian Naval Academy to Andhra University Engineering Colleges.	The Indian Navy (hereinafter referred to as "First Party") of the one part and the Andhra University (hereinafter referred to as "Second Party") of the other part.
Indian Navy and Andhra University.	20-02-2019	For M.Tech. Programmes by Indian Navy Officers	The Indian Navy (hereinafter referred to as "first Party") of the one part and The Andhra University (hereinafter referred to as "Second Party") of the other part.
The Ministry of Youth Affairs & Sports, Government of India.	09-03-2019	For Andhra University Visakhapatnam (hereinafter referred to as "approved Empanelled Training Institution (ETI)" located at Visakhapatnam, Hyderabad for imparting training to the programme officers of NSS from the State of Andhra Pradesh.	The Andhra University, Visakhapatnam (approved ETI) shall offer a schedule of orientation training programmes for the programme officers of NSS from the State of Andhra Pradesh
Grant of P.G. Diploma to Officers Posted Under NCC Directorate (AP & T)	15-03-2019	For Andhra University, Visakhapatnam & NCC Dte (AP & T) Secunderabad on 25 Feb 2019 and discussion held between DDG and Hon'ble VC, Andhra University, Visakhapatnam	Andhra University, Visakhapatnam & NCC Dte (AP & T) Secunderabad on 25 Feb 2019 and discussion held between DDG and Hon'ble VC, Andhra University, Visakhapatnam

Rashtriya Ispat Nigam Limited Visakhapatnam Steel Plant, Visakhapatnam	18-05-2019	For Andhra University is a State University, established under Madras Act No.II of 1926 and is governed by Andhra Pradesh Universities Act, 1991 (Act No.4 of 1991), located in Visakhapatnam	For Andhra University is a State University, established under Madras Act No.II of 1926 and is governed by Andhra Pradesh Universities Act, 1991 (Act No.4 of 1991), located in Visakhapatnam
Campus Management International Private Limited	28-05-2019	For Andhra University and educational institution formed under Madras Act No. II of 1926 and is governed by Andhra University ACT, 1991 (Act No. 4 of 1991, having its office at Waltair junction, AU North Campus, Visakhapatnam, A.P.	For Andhra University and educational institution formed under Madras Act No. II of 1926 and is governed by Andhra University ACT, 1991 (Act No. 4 of 1991, having its office at Waltair junction, AU North Campus, Visakhapatnam, A.P.
Blekinge Institute of Technology herein duly represented by Prof. Mats Viberg (Vice-Chancellor)	24-06-2019	For Andhra University herein duly represented by Dr. G. Nageswara Rao (Vice-Chancellor) Blekinge Institute of Technology and Andhra University (hereinafter "the parties" / "institutions").	For Andhra University herein duly represented by Dr. G. Nageswara Rao (Vice-Chancellor) Blekinge Institute of Technology and Andhra University (hereinafter "the parties" / "institutions").
Andhra University (AU) and Institute of Development Studies, Andhra Pradesh (IDS, AP)	29-06-2019	For Andhra University was established in 1926 to provide education and research in all the areas of human endeavor and has been fulfilling its mandate very creditably over the past several decades and its graduates are helping the nation in multiple ways	For Andhra University was established in 1926 to provide education and research in all the areas of human endeavor and has been fulfilling its mandate very creditably over the past several decades and its graduates are helping the nation in multiple ways

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
83,11,53,072/-	68,64,86,308/-(apart from salaries)

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
------------	----------	-------------

Campus area	531.0 Acres	--
Class rooms	150	06
Laboratories	139	01
Seminar Halls	36	03
Classrooms with LCD facilities	57	05
Classrooms with Wi-Fi/ LAN	Wifi is available for the campus as a whole	Wifi is available for the campus as a whole
Seminar halls with ICT facilities	24	--
Video Centre	03	--
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	44 Lakhs	57 Lakhs
Value of the equipment purchased during the year (Rs. in Lakhs)	19.9 Lakhs	55.16
Others	Two storeyed buiding	New Classroom complex for CSE & IT, New Sports hostel, New health centre

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL 2.0	Partial	2.0.0.14	2016

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	4837	15,50,000-00	6427	15,50,000-00	11264	31,00,000-00
Reference Books	198	2,00,000-00	225	2,00,000-00	423	4,00,000-00
e-Books	90,04,000	2,13,800-00	--	--	90,04,000	2,13,800-00
Journals	200	59,13,976-90	13	14,39,509-00	213	73,53,485-90
e-Journals	5445	Central Funding	47	Central Funding	5492	Central Funding
Digital Database	4	Central Funding	0	Central Funding	4	Central Funding
CD & Video	-	-	-	-	-	-
Library automation	71		0		71	
Weeding (Hard & Soft)	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Prof. K.Visweswara Rao	Gerontological social work which consists of 40 mudules	MOOCS	2018-19

Steps are taken to increase faculty participation for developing e-content

4.3 IT Infrastructure added for 2018-2019

4.3.1 Technology Upgradation (overall)

	Total Com	Comp uter	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band	Other s

	puters	Labs						width (MGBPS)	
Existing	2570	76	yes	05	04	25	69	1GBPS	10
Added	150	10	yes	--	--	00	01	--	LA
Total	2720	90	yes	05	04	25	70	1GBPS	BS

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

1 GBPS connectivity and BSNL network bandwidth of 200mbps is available

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NO	

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
32,99,67,500	35,97,27,857	53,95,48,000	47,14,25,220

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Every year, resources are allocated both for maintenance and development depending on the requirement of Departments on a priority basis to ensure that the programmes offered by them are successful. Whenever a new equipment is bought, a stock register is maintained duly signed by the head of the department or laboratory incharge.

Any new book or equipment is purchased for library, the honorary library in charge will maintain the stock as and when needed. Every department is provided a sufficient contingency amounts for the smooth maintenance of the labs, classrooms etc. The Head of the department upon utilization should provide the bills for the contingency amount spent so as to get the next year amount released by the authorities.

Andhra university has a separate purchase committee both at department as well as university level to monitor the needs and requirements with respect to purchase of new equipment.

For equipment sanctioned under research projects, separate UGC and R&D cell are available.

The utilization certificate is to be produced at the end of the project.

<http://www.andhrauniversity.edu.in/administration-wing/randd>

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Jnanabhumi Post Metric Scholarship	91	Rs. 4,72,975-00
	AP Social welfare Department	243	1,28,14,000
Financial support from other sources			
a) National	JRF	75	28,000/-
	MANF	02	28,000/-
	SRF	09	28,000/-
	PDF	24	48,000/-
	RJNF	48	28,000/-

	NFST	04	28,000/-
	NFHE	03	28,000/-
	NFOBC	05	28,000/-
	NFS	02	28,000/-
	AICTE –GPAT	85	1,26,48,000
	AICTE	177	21,94,800-00
b) International	--	--	--

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Counselling and Guidance	July, 20th 2018-19	30	ITDA, AnSI and Others
Soft Skills	August-2018	22	All Principals Office of AU
Yoga Meditation	September-2019	25	Department
1. Effective Communication Skills	February 25 – 28, 2019	70	--
2. Individual Supervisory conferences – mentoring students on Subject Knowledge	Throughout the Academic Year 2018-19	All final year and 3 rd year students of UG and 2 nd year students in PG	All faculty from all the departments
3. Personal Counseling is given by Teachers to students for overcoming Individual and Career related problems	Throughout the Academic Year 2018-19	All final year and 3 rd year students of UG and 2 nd year students in PG	All faculty from all the departments
Soft Skills	2018-19	All final year and 3 rd year students of UG and 2 nd year students in PG	In House
Meditation	20-22 Aug 2018	20	Pyramid Spiritual Society movement India.
Skill Development Training Programme	16-07-2019	30	APSSDC and COE, Skill Development, AUCE(A)
Yoga & Meditation	August to November 2018	40	Dept. of Yoga & Consciousness, A.U
Personal Counseling, Career Counseling and Mentoring, Yoga and Meditation part of Curriculam.	From the month of July Every Year.	30	----
Art of Living -Yoga	29 th -31 st October, 2018	40	Dept. of Architecture, AUCE
Passive Techniques in buildings	26 th -30 th June, 2018	40	Centre for Science & Environment (CSE)-India
Amaravati Design Fest (ADF) -Workshop and Hands on Brick Architecture Dome-Skill development Programme	Feb 1 st -3 rd , 2019	20	IIID-Andhra Pradesh State Chapter at Vijayawada
Campus Recruitment	Department	All final year and	Conduira Education & Training

Training	conducted for the academic years 2017-18 & 2018-19	3 rd year students of UG and 2 nd year students in PG	Services Private Limited, Visakhapatnam
Soft skills development	Every academic year	All final year and 3 rd year students of UG and 2 nd year students in PG	Andhra university

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2018-19	Career Counselling and Guidance	30	30	2	2
2018	Carrier Guidance Programme	118	118	50	35
2019	MFA Entrance	3	3	7	3
2018-19	Coaching for UGC-NET /SET	05	70	05	25
2019	Google Initiative	60	60	25	25
2019	UGC Net	12		02	
2018-19	Campus Recruitment Training	300	35		35

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year :

AU has established its Women grievance & redressal Cell in 1997 with a senior most Women professor in the campus as its Convener. In 2015 Internal Complaints Cell was established to address gender sensitivity related issues. Every year at the beginning of the academic courses the cell organizes seminars/ workshops to educate students among the topic like Gender sensitivity, sexual harassment along with anti ragging committee in the campus.

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal
1) ICC & Womens Grievance and redressal cell	NIL	1 month
2) Anti Ragging Committee		

5.2 Student Progression					
5.2.1 Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
GVK BIO, Hyderabad	10	2	Dr Reddy's Labs	6	3
Actimus Bio Pharma	7	6	GVK Bio Sciences Pvt Ltd	8	2
Dr. Reddy's labs, Hyderabad	20	6	Chegg International Ltd	4	1
Syngene Internationals Ltd	5	3	Chegg International Ltd	2	1
Divis Labs	10	9	Chegg International Ltd	3	1
ITC Pvt Ltd	6	2	Handloom and Textiles	01	01
Kanoria labs Pvt Ltd	5	2	Principal Junior Civil Judge Court, Visakhapatnam	01	01
MSN LABS Pvt Ltd	10	4	Judicial Dept, VSP	01	01
AVRA LABS	15	2	Data Not Available		
Vasudha Pharma	10	1			
Akash Educational Instituitons	10	1			
Tirumala Junior College	5	3			
Sri Prakash Educational Institutions	15	2			
Sri Chaitanaya Educational Institutions	40	15			
Bhashyam Public Schools	30	12			
KKR Gowtham Schools	15	2			
Aurabindo Pharmaceuticals	50	15			
Vishnu Chemicals	10	2			
Inductive Quotient Analysis Ltd	2	1			
Tirumala Junior College	20	7			
Aditya Degree Colleges	50	4			
Sri Chaitanya Techno Schools	70	45			
Bhashyam Public Schools	80	40			
KKR Gowtham Schools	35	14			
Sri Prakash Educational Institutions	30	4			
Vivekananda Schools	25	7			
Inductive Quotient Analysis Ltd	5	2			
Dr. Reddy's labs,	3	1			

Hyderabad		
Cp Aqua India Pvt Ltd	1	1
Santha Biotech Pvt Ltd	5	1
OMICS International Pvt Ltd	2	1
Bhashyam Public Schools	15	8
Aditya Degree Colleges	5	1
Inductive Quotient Analysis Ltd	2	1
Dr. Reddy's labs, Hyderabad	10	3
OMICS Internationals Pvt Ltd	5	1
Inductive Quotient Analysis Ltd	6	1
Santha Biotech Pvt Ltd	5	1
Avanthi Feeds Ltd	3	1
Bharath Blue Aqua Pvt ltd	10	3
Sandhya Aqua Feeds	36	11
Bhashyam Public Schools	20	11
Aurabindo Pharmaceuticals	20	8
Divis Labs, Hyderabad	25	7
Vimta labs, Hyderabad	10	2
Pfizer Company	8	4
Inductive Quotient Analysis Ltd	3	1
Akash Educational Institutions	25	4
Tirumala Junior College	15	3
Vivekanada Schools	20	5
Sri Chaitanya Educational Institutions	35	19
Bhashyam Public Schools	35	10
Sri prakash Educational Institutions	25	4
Inductive Quotient Analysis Ltd	20	5
Divis Labs Ltd	18	2
OMICS Internationals Pvt Ltd	1	1
Navaionics Pvt Ltd	20	2
Laser & Turbo infotech pvt Ltd	15	1
Navaionics Pvt Ltd	20	7
Laser & Turbo infotech pvt Ltd	30	3
Navionics Pvt Ltd	25	2
Navaionics Pvt ltd	15	2
NCML	30	8

Sri chaitanya Educational institutions	30	19
KKR Gowtham Schools	15	10
Sri Prakash Educational Institutions	15	7
Tirumala Junior College	10	4
Vivekanada Schools	25	4
Aditya Degree Colleges	20	1
CP AQUA INDIA PVT LTD	30	22
Avanthi Feeds Ltd	6	1
Bharath Blue Aqua	10	6
Aries Aqua Pvt Ltd	25	7
Sandhya Aqua Feeds	35	20
Akash Educational Instituitons	25	5
Tirumala Junior Colleges	15	3
Sri Chaitnya Educational Institutions	30	21
Bhashyam Public Schools	35	18
KKR Gowtham Schools	20	6
Sri Prakash Educational Institutions	35	5
IB Groups pvt Ltd	25	4
bharath blue aqua Ltd	15	7
OMICS International pvt Ltd	15	8
Bhashyam Public Schools	13	8
CP AQUA INDIA PVT LTD	2	1
Bharat blue aqua Ltd	5	2
OMICS International pvt Ltd	3	2
Dr. Reddy's labs, Hyderabad	8	2
Syngene Biocon Pvt Ltd	20	7
Kanoria Labs Pvt Ltd	8	2
Divis Labs Ltd	10	3
Actimus Bio Pharma	5	1
Sri Vivekananda Schools	15	4
Bashyam Public Schools	15	4
Sri Chaitanya Educational institutions	20	10
Sri Prakash Educational Institutions	10	4
Vishnu Chemicals	10	3
GVK BIO, Hyderabad	40	29
Dr. Reddy's labs, Hyderabad	20	6

Syngene Biocon Pvt Ltd	50	11
Divis Labs Ltd	80	34
MSN LABS Pvt Ltd	35	14
OMICS International pvt Ltd	3	1
AVRA LABS	35	2
Tirumala Junior College	14	5
Sri Chaitanya Educational institutions	20	7
Bhashyam Educational institutions	25	10
Sri Prakash Educational institutions	10	2
KKR Gowtham Schools	10	1
Aurabindo Pharamaceuticals Ltd	90	28
CP AQUA INDIA PVT LTD	40	17
Avanthi Feeds Pvt Ltd	40	28
Newspark pvt Ltd	30	12
IB Feeds Ltd	15	6
Aries Aqua Pvt Ltd	10	3
Nagahanuman Fish packers Ltd	15	4
Nekkanti Sea Foods	8	2
Divis Labs Pvt Ltd	5	1
ITC Company Pvt Ltd	8	2
Aurabindo Pharmaceuticals	20	9
Vishnu Chemicals	7	1
Sri Prakash Educational Institutions	15	5
Sri Prakash Educational Institutions	20	4
CP AQUA INDIA PVT LTD	18	11
OMICS International pvt Ltd	1	1
Laser & Turbo Infotech Pvt Ltd	20	6
Laser & Turbo infotech pvt ltd	10	3
College of Pharmaceutical Sciences	75	39
AD3i	5	3
Cormandal	8	6
CSOT	20	16
Deccan Chemicals	8	6
FACE	15	13
FTD	5	3
GVKBIO	5	5
HCL	3	1
INFOSYS	180	156
INCTURE	15	9

ITC	2	1
MATHWORKS	4	2
MOBIES	6	3
RAAM GROUP	4	2
RELIANCE INDUSTRIES	6	3
TATA CHEMICALS	4	2
TCS	100	70
UNITED ONLINE	2	1
VALUE LABS	4	2
WIPRO	104	52

5.2.2 Student progression to higher education in percentage during the year : 2018-19

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018	30	B.Ed, Bachelors Degree	Arts, Science & Engineering	Andhra University, Central University	M.Ed, M.Phil, Ph.D
2018-2019	03	Fine Arts, A.U. College of Arts & Commerce	Fine Arts	Faculty of Fine Arts, M.S. University, Baroda	MVA
2018-2019	01	P.G	Dept. of Yoga	Dept. of Yoga, A.U	Ph.D.
2018-19	01	DST INSPIRE	Applied Mathematic	ANDHRA UNIVERSITY	Ph.D Full time.
2018	06	M.Sc., Botany M.Sc., Agricultural Biotechnology	Botany	Botany Dept. AU	Ph.D.
2018-2019	14	M.Sc. / M.Sc. (Tech) / M.Sc.(Integrated)	Science College	Dept. of Geology, AU	Ph.D.
2018	01	M.Sc. Marine Biotechnology	Marine Living Resources	Andhra University	Ph.D
2018	02	M.Sc. Physics	Physics	Andhra University, Kalapakkam	Ph.D, Ph.D.
2017	16	B. Architecture	Architecture	ARIZONA STATE UNIVERSITY	Master of Science in Construction Management
				UNIVERSITY OF IDAHO	Masters in Architecture
				JAWAHARLAL NEHRU ARCHITECTURE AND	M.Tech - Planning (MURP)

				FINE ARTS UNIVERSITY	
				UNIVERSITY OF OKLAHOMA	M.Arch (Landscape Architecture)
				SUSHANT SCHOOL OF ART AND ARCHITECTURE - ANSAL UNIVERSITY	M.Arch (Landscape Architecture)
				ACHARYA BANGALORE UNIVERSITY	MBA - PGDM
				GITAM SCHOOL OF ARCHITECTURE - GITAM UNIVERSITY	M.Arch (Sustainable Architecture)
				RICS SBE - AMITY UNIVERSITY	MBA - Construction Project and Management
2018	07	B. Architecture	Architecture	Illinois institute of technology, Chicago	M.Arch
				Arizona state university, Arizona	M.Arch
				University of Illinois Urbana- Champaign	M.Arch
				nit Bhopal	M.Arch
				CEPT, Ahmedabad	M.Arch
				Clemson university Clemson, South carolina	M.Arch
2019	02	B.Architecture	Architecture	UK	M.Arch
2018-19	05	B.Tech. (Chemical Engineering)	Chemical Engineering, AUCE(A)	Chemical Engineering, AUCE(A)	M.Tech. (Chemical Engineering)
2018-19	02	B.Tech. (Chemical Engineering)	Chemical Engineering, AUCE(A)	Chemical Engineering, AUCE(A)	M.Tech. (Mineral Process Engineering)

2018-19	02	B.Tech. (Chemical Engineering)	Chemical Engineering, AUCE(A)	Chemical Engineering, AUCE(A)	M.Tech. (Industrial Pollution Control Engineering)
2019	21	B.Tech (Civil Engineering)	Civil Engineering	IIT Bhubaneswar, IIT Kharagpur, IIT Bombay, NIT Suratkal, NIT Warangal, NIT Tirucharapalli	M.Tech in various specialisations
2019	06	B.Tech (Civil Engineering with Environmental Engineering Elective)	Civil Engineering	IIT Bhubaneswar, IIT Kharagpur, IIT Bombay, NIT Suratkal, NIT Warangal, NIT Tirucharapalli	M.Tech in various specialisations
2018-19	13	B.Tech	ECE	University of Dayton, Ohio	Computer science with data analytics (M.S)
2018-19		B.Tech	ECE	University of Texas, Dallas	Computer science with data analytics (M.S)
2018-19		B.Tech	ECE	University of Texas, Dallas	Computer science with data analytics (M.S)
2018-19		B.Tech	ECE	Arizona state university	Computer science with data analytics (M.S)
2018-19		B.Tech	ECE	Central queens land university, Melbourne	Information technology (M.S)
2018-19		B.Tech	ECE	Asia pacific institute of management Delhi	PGDM General
2018-19		B.Tech	ECE	Amrita school of engineering , Coimbatore	Embedded systems, M.Tech
2018-19		B.Tech	ECE	Andhra university	M.Tech

				college of engineering	
2018-19		B.Tech	ECE	Andhra university college of engineering	M.Tech
2018-19		B.Tech	ECE	Andhra university college of engineering	M.Tech
2018-19		B.Tech	ECE	Andhra university college of engineering	M.Tech
2018-19		B.Tech	ECE	Andhra university college of engineering	M.Tech
2018-19		B.Tech	ECE	Andhra university college of engineering	M.Tech
2018	14	B.Tech	EE	Andhra university college of engineering	B.Tech
2018	Andhra University	(Degrees awarded from A.U)	CSSTEAP affiliated to UNO	M.Tech. Remote Sensing and GIS	M.Tech. Remote Sensing and GIS
2019	14	B.Tech	INSTRUMENT TECHNOLOGY	NIT	M.Tech
2019	03	B.Tech	INSTRUMENT TECHNOLOGY	CAT	MBA
2019	02	B.Tech	INSTRUMENT TECHNOLOGY	GRE	--
2018-19	4	AU	Metallurgical engineering	IIM, IIT	MBA, M.Tech
2019	06	B.Tech (CSSE)	CSSE	IIM, IIT, Texas and Missouri University	MS, MBA
2019	4	B.Tech	Mechanical	--	M.Tech
2019	1	B.Tech	Mechanical	IIM	MBA

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/qualifying	Registration number/roll number for the exam
NET	05	--
SET	--	Data Not available
SLET	--	
GATE	11	
GMAT	--	
CAT	12	
GRE	47	

TOFEL	16	
Civil Services	--	
State Government Services	14	--
Any Other		--

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Roller Sports, Solo Dance (M)	All India IUT	Ch.Sreeram
Cricket (Women)	All India IUT	N.Mounika
Cricket (Women)	All India IUT	M.Harika Yadav
Cricket (Women)	All India IUT	N.Roja
Cricket (Women)	All India IUT	Swati Singh
Cricket (Women)	All India IUT	N.Sunitha
Cricket (Women)	All India IUT	K.Jyothi
Cricket (Women)	All India IUT	S.Divya
Cricket (Women)	All India IUT	T.Mallika
Cricket (Women)	All India IUT	V.Sai Tulya Teja Sri
Cricket (Women)	All India IUT	K.Naganjali
Cricket (Women)	All India IUT	Fathima Samreen
Cricket (Women)	All India IUT	J.Durga Bhavani
Cricket (Women)	All India IUT	K.Devika
Cricket (Women)	All India IUT	G.Sireesha
Cricket (Women)	All India IUT	G.Jyothi
Cricket (Women)	All India IUT	G.Chandra Lekha
Roller Sports, Free Style (M)	All India IUT	Ch.Sreeram
Roller Sports, Free Style (W)	All India IUT	Rukhaiah Farheen Shaik
Roller Sports, Road Race (M)	All India IUT	V.Kalyan
Karate (M)	All India IUT	M.H.B.Mohammed
Body Building (M)	All India IUT	K.Srinu
Targetball (M)	All India IUT	K.Venkata Ramana
Targetball (M)	All India IUT	A.Rambabu
Targetball (M)	All India IUT	Ch.Dileep
Targetball (M)	All India IUT	G.Pavan Kumar
Targetball (M)	All India IUT	G.Sandeep
Targetball (M)	All India IUT	L.Revath Kumar
Targetball (M)	All India IUT	A.Gangulu
Targetball (M)	All India IUT	U.Nagaraju
Targetball (M)	All India IUT	P.Sumanth
Targetball (M)	All India IUT	G.Trinadha
Targetball (M)	All India IUT	P.Vinay
Targetball (M)	All India IUT	G. Gangadhar
Targetball (W)	All India IUT	Vadamodula Sandhya
Targetball (W)	All India IUT	Govada Pravallika
Targetball (W)	All India IUT	Nowpada Nalini Devi
Targetball (W)	All India IUT	Palisetty Sravani
Targetball (W)	All India IUT	Thadivalasa Lakshmi
Targetball (W)	All India IUT	G.Ragha Madhavi
Targetball (W)	All India IUT	Y.Bharathi Reddy
Targetball (W)	All India IUT	S.Manasa
Targetball (W)	All India IUT	Turram Ambika Devi

Targetball (W)	All India IUT	G.Devika
Targetball (W)	All India IUT	K.Yushma
Targetball (W)	All India IUT	K. Chandini
Roller Hockey (W)	All India IUT	C.J.Sai Madhuri
Roller Hockey (W)	All India IUT	S.Asha
Roller Hockey (W)	All India IUT	U.Sravya
Roller Hockey (W)	All India IUT	Preethi Patnaik
Roller Hockey (W)	All India IUT	M.Gowthami
Roller Hockey (W)	All India IUT	K.Navya
Roller Hockey (W)	All India IUT	Y.Rama Devi
Roller Hockey (W)	All India IUT	K.Sai Bhuvana
Roller Hockey (W)	All India IUT	Y.Baby
Badminton (W)	All India IUT	G. Lakshmi
Badminton (W)	All India IUT	A. Hema Dhruthi
Badminton (W)	All India IUT	K. Preethi
Badminton (W)	All India IUT	M.Archana
Badminton (W)	All India IUT	K.Sharmila

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019	GOLD MEDAL	National	--	DS- Grouping Competition	--	D.MANISHA
2019	GOLD MEDAL	National	--	Health and Hygiene Exam	--	B.ALEKHYA
2019	GOLD MEDAL	National	Kick Boxing	--	--	V.HEMA
2019	Gold	National	Sports	Solo Classical dance performance	--	R.SNEHITHA
2018-19	Gold	All India Inter-Univ.		--	--	Ch.Sreeram
2018-19	Gold	All India Inter-Univ.	Sports	--	--	N.Mounika
2018-19	Gold	All India Inter-Univ.	Sports	--	--	M.Harika Yadav
2018-19	Gold	All India Inter-Univ.	Sports	--	--	N.Roja
2018-19	Gold	All India Inter-Univ.	Sports	--	--	Swati Singh
2018-19	Gold	All India Inter-Univ.	Sports	--	--	N.Sunitha
2018-19	Gold	All India Inter-Univ.	Sports	--	--	K.Jyothi
2018-19	Gold	All India Inter-Univ.	Sports	--	--	S.Divya
2018-19	Gold	All India Inter-Univ.	Sports	--	--	T.Mallika
2018-19	Gold	All India Inter-Univ.	Sports	--	--	V.Sai Tulya Teja Sri

2018-19	Gold	All India Inter-Univ.	Sports	--	--	K.Naganjali
2018-19	Gold	All India Inter-Univ.	Sports	--	--	Fathima Samreen
2018-19	Gold	All India Inter-Univ.	Sports	--	--	J.Durga Bhavani
2018-19	Gold	All India Inter-Univ.	Sports	--	--	K.Devika
2018-19	Gold	All India Inter-Univ.	Sports	--	--	G.Sireesha
2018-19	Gold	All India Inter-Univ.	Sports	--	--	G.Jyothi
2018-19	Gold	All India Inter-Univ.	Sports	--	--	G.Chandra Lekha
2018-19	Silver	All India Inter-Univ.	Sports	--	--	Ch.Sreeram
2018-19	Silver	All India Inter-Univ.	Sports	--	--	R.Farheen Shaik
2018-19	Silver	All India Inter-Univ.	Sports	--	--	V.Kalyan
2018-19	Silver	All India Inter-Univ.	Sports	--	--	M.H.B.Mohammed
2018-19	Silver	All India Inter-Univ.	Sports	--	--	K.Srinu
2018-19	Silver	All India Inter-Univ.	Sports	--	--	K.Venkata Ramana
2018-19	Silver	All India Inter-Univ.	Sports	--	--	A.Rambabu
2018-19	Silver	All India Inter-Univ.	Sports	--	--	Ch.Dileep
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G.Pavan Kumar
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G.Sandeep
2018-19	Silver	All India Inter-Univ.	Sports	--	--	L.Revanth Kumar
2018-19	Silver	All India Inter-Univ.	Sports	--	--	A.Gangulu
2018-19	Silver	All India Inter-Univ.	Sports	--	--	U.Nagaraju
2018-19	Silver	All India Inter-Univ.	Sports	--	--	P.Sumanth
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G.Trinadha
2018-19	Silver	All India Inter-Univ.	Sports	--	--	P.Vinay
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G. Gangadhar
2018-19	Silver	All India Inter-Univ.	Sports	--	--	V. Sandhya
2018-19	Silver	All India Inter-Univ.	Sports	--	--	Govada Pravallika
2018-19	Silver	All India Inter-Univ.	Sports	--	--	N. Nalini Devi
2018-19	Silver	All India Inter-Univ.	Sports	--	--	Palisetty Sravani
2018-19	Silver	All India Inter-Univ.	Sports	--	--	T.Lakshmi
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G.Ragha Madhavi
2018-19	Silver	All India Inter-Univ.	Sports	--	--	Y.Bharathi Reddy
2018-19	Silver	All India Inter-Univ.	Sports	--	--	S.Manasa
2018-19	Silver	All India Inter-Univ.	Sports	--	--	T.Ambika Devi
2018-19	Silver	All India Inter-Univ.	Sports	--	--	G.Devika
2018-19	Silver	All India Inter-Univ.	Sports	--	--	K.Yushma
2018-19	Silver	All India Inter-Univ.	Sports	--	--	K. Chandini
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	C.J.Sai Madhuri
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	S.Asha
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	U.Sravya
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	Preethi Patnaik
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	M.Gowthami
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	K.Navya
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	Y.Rama Devi
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	K.Sai Bhuvana
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	Y.Baby
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	G. Lakshmi
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	A. Hema Dhruthi
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	K. Preethi

2018-19	Bronze	All India Inter-Univ.	Sports	--	--	M.Archana
2018-19	Bronze	All India Inter-Univ.	Sports	--	--	K.Sharmila

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words):

Students are the backbone of any university and they play a major role in the progress of the university/college/department.

At department level class representatives (CR's) are elected at the starting of the academic year to act as point of contact between department and their classmates. They are responsible for student interaction and involvement in day to day activities. At college level, student clubs are promoted for the overall development of the students outside classroom environment. Andhra University has 4 student clubs which are actively participating in seminars, conferences, cultural fests etc. At university level student union bodies are active and they participate in technical discussions and overall development of the university. Every Board of studies in each and every department has a student member (alumni) to participate in the discussions. IQAC advisory committee has three student representatives to involve themselves in the development of the university.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes, institution has been registered. Andhra University, a citadel of Higher Education in this part of Country, was established in 1926, with a visionary of intellect and par excellence **Sir C. R. Reddy** as Founder Vice-Chancellor. You will be glad to know that Andhra University has completed 93 years of establishment (estd. 1926) and forging ahead towards Centenary achieving excellence in different verticals. As you can appreciate, AU has been playing key role in imparting quality education and knowledge in different disciplines since its inception and after bifurcation of the State of Andhra Pradesh, it has emerged as the oldest and largest University in the State of Andhra Pradesh. Many of its Alumni have been holding coveted positions across the globe.

Andhra University produced umpteen number of eminent personalities who occupied coveted positions in India and abroad. The AU Alumni are able to make a mark in different walks of life who include Civil Servants, CEOs, Industrialists, scientists, researchers, academicians, politicians, Judges, academic administrators, social workers, poets, novelists, artists, sports persons, adventurers, defense personnel, economists, bankers, software experts and so on. Recognising the legacy of this great seat of higher learning of international repute, Honble Vice President of India **Shri M. Venkaiah Naidu** renowned industrialist and Founder Chairman, AAA **Dr. G. M. Rao** have been extending all out support to strengthen the AU Alumni Association to ensure that the Andhra University's flag fly high globally.

As you are well aware, Alumni Network of any University plays a key role in brand building of its alma mater nationally and internationally. Towards this end, to give fillip to its activities, the Andhra University Alumni Association (AAA) has now on its Executive Committee, **Dr. G. M. Rao**, Group Chairman, GMR Group as its Founder Chairman. During 2018-2019 for AAA, the famous industrialist Shri Ratan Tata has graced the occasion as chief guest.

5.3.2 No. of registered Alumni:

The total profiles of alumni is 15281 records.

5.3.3 Alumni contribution during the year (in Rupees) : 2018-19

7 lakh 3 thousand rupees.

5.3.4 Meetings/activities organized by Alumni Association :

1. The Executive Committee meeting usually held on 2nd week of every month.
2. Every year annual alumni meet organized in 2nd week of December.

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) :

The University encourages decentralization and autonomy of the departments with respect to the departmental activities. The Head of the Department conducts the departmental committee meeting in every month and discuss regarding the academic and administrative matters of the department. The

Chairman, PG Board of Studies holds local board of studies meeting and takes decision regarding curriculum design, evaluation schedules and other related matters. The department research committee meets once in every month and discusses research activities and development of the department. The departments are supported with annual budget which the Head of the department in consultation with the DC utilizes for departmental activities.

The Principals of campus colleges conduct periodic review meetings with the Heads of the departments to ensure that the departments are functioning effectively. All decisions taken at the department level is informed to the Vice-Chancellor through Registrar/ Principal/concerned Dean. The IQAC conducts two internal quality audits to identify the non-confirmative items with respect to processes and procedure, and to initiate corrective actions.

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial: Partial

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Curriculum Development : University Organized workshops at department level involving experts from industry/research organizations.

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

Teaching and Learning : During the academic year 2018-189 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. Student seminars, assignments, projects, field work and internships are part of the curriculum in majority of the programs. The students are provided with academic guides for interaction beyond classrooms. The advanced learners and research students take partnership in research projects with the faculty members. The meritorious students are recognized and awarded special prizes. The student feedback on performance of teachers is collected and analyzed regularly and based on that measures are taken to improve quality of teaching learning process.

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

- Differential approaches to support slow learners and advanced learners
- Effective implementation of academic schedule and teaching plans
- Focus on experiential learning and participative learning
- Involving experts from industry and other research and academic institutions
- Extensive use of ICT in teaching and learning beyond classrooms
- Prevalence of student centric learning environment
- Mentor and Mentee relationship
- Continuous evaluation process and transparency in evaluation methods
- Student participation in organizing academic programs

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

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
- Enhanced Security features for certificate generation, both online and offline.

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.
- Creating awareness among research students and community on SCOPUS indexing and other parameters like h-index etc.
- Encouraging staff and students to publish only in reputed and peer reviewed journals

Library, ICT and Physical Infrastructure / Instrumentation: Dr. V.S. Krishna Library is the central library of Andhra University with two branch libraries i.e., (i) Engineering College Library, (ii) Law College Library working under its control.

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 optimum interaction among the users a seminar/group discussion room is provided. At a time 500 users can be seated in the library. The library is kept open on all days in the year including Sundays, except on national holidays and on days declared as holiday by the University. The library works in three shifts.

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 65,000 volumes and 96 Computer Systems are available in the Engineering College Library. 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 16,617 volumes.

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.

Manuscript Collection:

The library possesses a collection of 2663 rare and valuable manuscripts made of palm as well as leaf paper and original copy of the Constitution of India, signed by Members of the then Parliament.

Internet Browsing Centre:

An Internet Browsing Centre with seventy one (71) Computers, works from 8.00 a.m. to 10.00 p.m. for the benefit of students, research scholars and staff.

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

Industry Interaction / Collaboration: Andhra University is having interaction and collaboration with reputed research organizations, industries and institutions in India and abroad. It has 74 MOUs with these organizations until now. Andhra University is also having several interdisciplinary and multidisciplinary projects in collaboration with other reputed organizations. Andhra University is conducting Twinning Programmes in collaboration with Foreign Universities/Institutions. Andhra University is providing consultancy services to several industries and organizations. During the academic year 2018-19, 09 MoU's are signed under academic and industry collaboration with various organizations.

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

6.2.2 : Implementation of e-governance in areas of operations:

❖ Planning and Development : In progress

❖ Administration : Partially

❖ Finance and Accounts : TALLY software is used in the concerned departments.

❖ Student Admission and Support: Student admission/ counselling are done online. A separate office and a nodal officer are appointed by the authorities for smooth conduct of the admissions. All UG and PG admissions are made online

❖ Examination : Pre and post examinations are made online. Enhanced security features for original degrees.

OMR technology introduced to reduce the time taken to declare the results.

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. K. Ramesh Babu	National Conference on Yoga Accreditation 6 th March 2019, Bengaluru	Director NAAC	Rs. 4000/-
2019	K.Prahladh	Workshop	GSITI	
2019	Dr. P. Janakiram	World Brackishwater aquaculture conference (BRAQCON 2019) at CIBA Chennai during 22-25 January 2019	Andhra University	Rs 10,000/-
2018	Prof . K. Samatha	National Conference on Novel Materials for Device Application at Sri Venkateswara University, Tirupati.		Rs. 1500/-
2018	Prof . K. Samatha	State level seminar, at Government College, Rajahmundry		Rs. 100/-
2019	Prof . K. Samatha	National Conference on Recent Advances in Materials and Molecules, at Sri Padmavati Mahila Visvavidhyalam, Tirupati		Rs. 1500/-
2019	Prof . K. Samatha	National Seminar on Advances in Materials and Environmental Sciences, at D.N.R. College, Bhimavaram.		Rs. 400/-
2019	Prof . K. Samatha	International Conference on Advanced Functional Materials and Devices, at NIT, Warangal		Rs. 3000/-
2019	Prof . K. Samatha	Two National Workshop on Physics of Materials and Molecules, at Kakatiya University, Warangal		Rs. 800/-
2019	Prof. M. V. R. Raju	5-Day Workshop on Mental Health in Effective Social Work and Peace Building. International Institute of Peace and Development Studies (IIPDS)	International Institute of Peace and Development Studies (IIPDS)	TA/DA(They send Flight Tickets and paid Registration Fees)
2019	Prof.V.Meena	106th Indian Science Congress	Lovely Professional	Rs. 50,000/-

		- 2019	University, Jalandhar, Punjab	Under TEQIP-III
2019	Dr.G.V.S.Sarma	(ICMPC-2019)	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad	Rs. 12,000/- Under TEQIP-III
2019	Dr.M.Tukaram Bai	(ICMPC-2019)	Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Hyderabad	Rs. 12,000/- Under TEQIP-III
2019	Prof.T.V.Praveen	International conference on AICTE Digital pedagogies during April 1-2, 2019 at New Delhi.	TEQIP Phase III	Rs. 30,492
2018	Dr. I.Siva Parvathi	GIAN sponsored course on Seismic Performance Assessment of Structures through Numerical and Hybrid Simulations” at IIT Hyderabad, 2 nd July to 12 th July, 2018	TEQIP Phase III	Rs. 28,068
2018	Prof.C.N.V.Satyanarayana Reddy	presenting paper at “Indian Geotechnical Conference 2018” at Bengaluru Chapter and Indian Institute of Science, Bengaluru, 13 th December to 15 th December, 2018	TEQIP Phase III	Rs. 25,080
2018	Prof.G.V.Krishna Rao	14 th FICCI Higher Education Summit 2018	TEQIP- III	17,435/-
2018	Prof.K.Srinivasa Rao	Vssc, Trivandrum	TEQIP	25000/-

6.3.2 Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2019	--	Professional Development Programme	31-01-2019 to 02-02-2019	--	02
2019	Inter Disciplinary Refresher course	--	11-03-2019-30-03-2019	1	--
2019	--	Soft Skills	31-1-2019 to 02-02-2019	--	01
2018	Nai Talim Experiential Learning and Work Education	Nai Talim Experiential Learning and Work Education	24-11-18 to 30-11-18	10	--

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year		
Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Naitalim Faculty Development Programme, MGNCRE	08	11-12-2018 to 17-12-2018
Shivaprasad Singh ke upanyason mein Chitrit Nari	01	2014-2018
Capacity Building	01	05 th -06 th June 2019
Participated in the instructional school for teachers on “Analysis and PDEs”, held at IISC, Bangalore	01	May 6 th -18 th , 2019.
Attended orientation course held at UGC-HRD Centre, Andhra University, Visakhapatnam during	01	6 th february- 5 th january, 2019.
Attended workshop on “LinearAlgebra and Multivariate calculus for science and engineering teachers(LAMCSET)” held at VNIT, Nagpur	01	1 st - 5 th january, 2019.
Smart Life Sciences at PR Govt. Degree College, Kakinada	01	19-09-2018
Short term course on research methodology	01	16-07-2018 to 13-07-2018
Science Academies’ Refresher Course on “Biotechnology techniques in Biodiversity conservation”	01	10 th to 24 th September, 2018
<i>UGC sponsored Short Term Course</i>	01	16-07-2018 to 22-07-2018
Short Term Course on “Applications of Computer Science” No: UGC-HRDC/STC/CA/367/2018-19, AU, ASC. Dt: 08 th to14 th October 2018.	02	8 th October 2018 to 14 th October 2018
UGC-Human Resource Development Centre AU	01	JULY 16 TH 2018
'Capacity Building for Effective Environment Impact Assessment Appraisal' Administrative Staff College of India (ASCI), Hyderabad Sponsored by MoEF&CC	01	04-02-2019 to 15-02-2019
GIAN course on" Seismic Performance of Structure Through Numerical and Hybrid Simulations"	01	02-07-18 to 12-07-18 10 days
Training Programme on "Earthquake Risk Mitigation and Management" by National Institute of Disaster Management, New Delhi	01	08-10-18 to 12-10-18 5days
Training Programme on "Earthquake Risk Mitigation and Management" by National Institute of Disaster Management, New Delhi	01	08-10-18 to 12-10-18 5days
Inter-disciplinary Refresher Course on Environmental Sciences	01	11-03-2019 to 30-03-2019 20 days
International conference on AICTE Digital pedagogies	01	April 1-2, 2019 at New Delhi.
Indian Geotechnical Conference 2018” at Bengaluru Chapter and Indian Institute of Science, Bengaluru	01	13 th December to 15 th December, 2018
Orientation workshop on Student Learning Assessment (SLA) under TEQIP Phase – III	01	5 th March 2019
Residential Training Programme on “Knowledge Management for Organizational Effectiveness” by Jaipur Productivity Centre, Jaipur under TEQIP Phase-III	01	13 th to 17 th May, 2019
3week -Inter Disciplinary Refresher Course in Environmental Science at UGC - Human Resource Development Centre, Andhra University	01	11 th March to

3week -Inter Disciplinary Refresher Course in Environmental Science at UGC - Human Resource Development Centre, Andhra University	01	11 th March to
3week -Inter Disciplinary Refresher Course in Environmental Science at UGC - Human Resource Development Centre, Andhra University	01	11 th March to
3week -Inter Disciplinary Refresher Course in Environmental Science at UGC - Human Resource Development Centre, Andhra University	01	11 th March to
Inter Disciplinary Refresher Course on Environmental Science	01	11-03-2019 – 31-03-2019
FDP on Big Data Computing – NPTEL MOOCS (8 weeks Course)	01	Feb-April – 2019
FDP on Blockchain Architecture Design and Use Cases – NPTEL MOOCS (12 weeks Course)	01	Jan- April 2019
UGC HUMAN RESOURCE Refresher course	01	11-03-2019-30-03-2019
AUHRD	03	July
Faculty development	01	01-11-18
CEP Program	01	18/23-02-19
Vibration monitoring techniques for machinery faulty diagnosis	01	18/19-03-19
Faculty development	01	02-11-18
Machine learning and IoT (MLIoT) Andhra university, visakhapatnam	03	03-08 dec2018

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching(existing)		Non-teaching(existing)	
Permanent	Fulltime	Permanen nt	Fulltime
290	349	1418	2514

6.3.5 Welfare schemes for

Teaching	Yes. Cooperative societies, health centres, life insurance schemes, staff quarters, leaves, CPF
Non teaching	Yes. Cooperative societies, health centres, life insurance schemes, staff quarters, leaves, CPF
Students	Yes.health,library, sports, e-learning facilites

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

(with in 100 words each) **Yes.** A separate Finance officer is appointed to take care of the finances. There are 8 account sections which deal with various aspects of the finance. The finance department and the concerned sections coordinate for getting the accounts audited. The A.G. Audit officials also visit the University and verify the accounts. The suggestions, if any given by them will be followed.

There is a yearly audit by the local fund audit department located in the University. In respect of block grant, a quarterly Utilization certification is obtained from them, after auditing relevant records. The University finance department coordinates with the State Audit. In respect of objections, on receiving the information from the audit department, the objections will be sent to the concerned establishments/disbursing officers, with a request to submit the replies.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals		Funds/ Grants received in Rs.	Purpose	
Endowment Chairs- 8		81,400	To conduct endowment lectures	
Private Fellowships & Scholarships - 68		1,57,944	Fellowships & Scholarships for meritorious students	
Medals - 129		2,26,050	Medals	
Prizes - 315		3,75,888	Prizes	
Endowments - 51		2,10,080	Other endowments	
Endowed Lectures - 37		12,37,662	Endowed lectures	
6.4.2 Total corpus fund generated : Around 100 crores				
6.5 Internal Quality Assurance System				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	No	YES	AU Senior Professors
Administrative	Yes	TUV SUD	Yes	Internal ISO Auditors of AU
6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)				
Andhra University encourages its affiliated colleges to go for Autonomy based on their performance. It provides all support to get autonomous status from UGC and other statutory bodies. There are 14 Autonomous colleges associated with Andhra University.				
6.5.3 Activities and support from the Parent – Teacher Association (at least three)				
<ul style="list-style-type: none"> ➤ The parents are periodically apprised about the department activities through students and mails. ➤ The feedback back from parents various academic and non academic activities are collected and analyzed. ➤ The orientation programmes are organized in each college for which the parents are also invited at the starting of the academic year. ➤ The University belies and maintains a holistic relationship between teachers and parents which 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. 				
6.5.4 Development programmes for support staff (at least three)				
<ul style="list-style-type: none"> ➤ All the Technical, Administrative Supporting staff were given training and awareness on ISO 9001:2015 Certification. ➤ A few Supporting staff from various departments of the University were identified and given Best Employee Awards during Independence Day celebrations and Republic Day. ➤ The administration has taken measures to improve the salary of the non teaching staff by changing the eligible non teaching working under daily wage to MMTS scheme. 				

6.5.5 Post Accreditation initiative(s) (mention at least three):

- Andhra University was accredited by NAAC 'A' grade with 3.60/4.00 CGPA in 2016 for a period of Seven years (upto 2023) and AU is continuously striving to achieve and maintain its standards.
- AU has successfully implemented ISO 9001:2015 certification and is one of the first general universities to implement it.
- Started 3 months Certification programmes for Indian Armed personnel on Cyber Security, Fire & Safety, Disaster management, Yoga and Consiousness as a part of MoU between AU and DGR, Government of India.
- International students intake has been increased and necessary measures are taken for a comfortable stay and study for the foreign students by eablishing a separate office for International students.
- Several MoU's have been initiated under Industry academia interaction for the betterment of Students.
- Improved the equipment of existing Health centres and established new health centres for the benefit of AU fraternity with the help of its strong Alumni.
- AU was identified as Category I institute by MHRD, GoI
- AU with its graded autonomy has strengthened its academic relations internationally and nationally.
- Au with its present achievements was shortlisted for Institute of Eminence (IOE) among the top 15 institutes in India.
- AU is participating in all the rankings and is proving its calibre. In NIRF it has improved from 36th rank to 29th rank in OVERALL category.

6.5.6

- a. Submission of Data for AISHE portal : (Yes /No) YES
- b. Participation in NIRF : (Yes /No) YES, AU secured 16th rank in University category and 29th rank under Overall category.
- c. ISO Certification : (Yes /No) YES, AU is 9001:2015 certified
- d. NBA or any other quality audit : (Yes /No) YES, AU Engineering courses are NBA accredited and AU is NAAC accredited

6.5.7 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from- ----to-----)	Number of participants
2018	Internal auditors training programme for ISO 9001:2015 certification	July 6 th to July 7 th	July 6 th to July 7 th (20 hrs training programme)	21
2018	Awareness programme on ISO 9001:2015 to all the officers and administrators of AU	01/08/2018	2hrs (3:00pm to 5:00pm)	80
2018	ISO Internal audits schedule and awareness on external ISO audit	4/8/2018	1 hour (4:00pm to 5:00pm)	20
2018	ISO 9001:2015 External audit by TUV SUD	30/08/2018 and 31/08/2018	9:00Am to 4:00pm , two days	All the departments of AU and Top Management
2018	NIRF 2019 preparation	3/10/2018	4:00pm to 5:30pm	7
2018	Annual report preparation	2/11/2018	4:00pm to	19

			5:30pm	
2019	Internal Auditors meet	28/08/2019	4:00pm to 5:00pm	20

*Due to elections during May 2019 AU has been one of the election centres and many of the staff members were on election duty, so from 20th March 2019 to 7th June 2019 no activity was done during the above period in IQAC.

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year): Andhra University has Dr.Durgabai Deshmukh Centre for Women's Studies, under which the following gender equity programmes are conducted every year

Title of the programme	Period (from-to)	Participants	
		Female	Male
1) Round Table Conference organized by NSS with collaboration of DDD CWS,AU on 'Sexual Violence against Girl Children' on the occasion of National Girl Child Day on at 10.30 am.	24 th January, 2019	19	7
2) Status of Women in India- Role of State and Community	31 st October,2018.	67	51
3) Gender Awareness programme on Acts and Laws relating to violence against women	March 2018	56	70
4) International Women's Day Celebrations and coordinated symposium on " Cross cultural practices'	8 th March 2018.	52	12

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

(Percentage of power requirement of the University met by the renewable energy sources)

Andhra University has 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

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	30
Provision for lift	Yes	30
Ramp/ Rails	Yes	30
Braille Software/facilities	--	--
Rest Rooms	Yes	30
Scribes for examination	Yes	12

Special skill development for differently abled students	Yes	30
Any other similar facility	1) Free transportation 2) The administration has provided tabs for their online study and to facilitate access to e- resources. 2) Encouraging them towards paraolympic events.	30 30 06

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2018-19	1	1	2 Days	State level Planning, Training and Review Meeting at Anantapuramu	Andhra Pradesh State NSS Action Plan for the year 2018-19	30
	1	18	100 hours	Swachh Bharat Summer Internship Programme	Clean and Green, Plastic free environment	900
	1	1	3 Days	Training of Trainers programme on Employability Skills	TOT Programme on Employability Skills	48
	1	1	1 Day	Seminar on Resonating Change: Transforming Systems and Communities through Development Communication	Seminar on Development Communication	3
	1	1	1 Day	One day meeting on Engaging NSS volunteers for Adolescent Empowerment Programme in Visakhapatnam District	Adolescent empowerment	22
	1	284	1 Day	World Environment Day	Clean and Green, Plastic free	28,400

				environment, awareness rallies	
1	284	1 Day	International Day of Yoga	Practice of Yoga Asanas and awareness rallies	12,200
1	22	1 Day	International Day against Drug Abuse and Illicit Trafficking	Against drug abuse awareness rallies and run	450
1	1	1 Day	UNICEF one day Review Meeting with Principals	Adolescents Empowerment issues and challenges	49
1	28	2 Days	UNICEF Orientation Training Programme for NSS Programme Officers	Adolescents Empowerment issues and challenges	48
1	60	1 Day	WORLD POPULATION DAY	Awareness rallies on the ill effects of Population	2,000
1	20	1 Day	Gnana Bheri Programme	Educational improvement Programme	1,200
1	1	7 Days	National Integration Camp at Hyderabad	To build National Integration	7
1	55	7 Days	Helping the Flood victims	Collection of Used Cloths, relief material, relief fund	2,250
1	1	1 Day	State NSS Awards	Receiving the State Awards	4
1	1	1 Day	Electoral Rolls Rally	To bring awareness rally on electoral reforms to the student communities	385
1	52	7 Days	Celebration of Daan Utsav (October 2 – 8)	To promote initiative of donations	7,000
1	122	15 Days	Observance of Swachhta Hi Seva 208 (SHS)	Issues of safe drinking water and sanitation	11,050
1	1	1Day	NSS Day Celebrations	Rallies, awards ceremony, competition on dance, singing and etc.	28,400
1	1	2 Days	Two days workshop on Prevention of Child Marriages at	Prevention of Child marriages	5

			NIRD, Hyderabad		
1	1	1 Day	Pre-Republic Day Camp Selections	Selection of Volunteers	132
1	1	1 Day	District and University level NSS Awards Ceremony	Awards ceremony	256
1	1	10 Days	National Adventure Training Camp at Dharmashala, Himachal Pradesh	Adventure Training	11
1	1	1 Day	Voters Registration and Electoral Process awareness meeting at Velagapudi	Training	1
1	1	10 Days	West Zone NSS Pre-Republic Day Parade Camp at Nagpur	Selection for Republic Day Parade	9
1	1	3 Days	Orientation workshop for NSS Coordinators on Child Protection Issues at Bangalore	Child Protection Issues	2
1	1	1 Day	World Children's Day	Child Rights	300
1	205	1 Day	World AIDS Day	Prevention of AIDS	
1	138	5 Days	Multi Disciplinary Teams (MDTs)	Pledges, Plantation, Organizing Grama Sabhas	944
1	1	7 Days	National Integration Camp at Ranchi, Jharkhand	National Integration	9
1	274	1 Day	One day University level NSS Programme Officers' Meeting	Review on NSS Activities	274
1	206	8 Days	Youth Festivals	Competition on Cultural Programmes	20,178
1	13	2 Days	State Level NSS Youth Festival	Competition on Cultural Programmes	22
1	1	7 Days	National Integration Camp at Nizamabad	National Integration	9
1	1	30 Days	Republic Day Parade Camp at	Participated in Republic Day	2

			New Delhi	Parade	
1	1	1 Day	Orientation for Janma Bhoomi Maa Vooru (JBMV) Programme	Community Development issues	1702
1	1	7 Days	National Integration Camp at Lucknow	National Integration	3
1	267	1 Days	National Voters Day	Voters Registration	18,247
1	75	1 Day	Orientation programme for NSS Programme Officers	Orientation on NSS Activities	50
1	1	1 Day	District Youth Parliament	Mock presentation on Various Development issues	100
1	284	1 Day	70 th Republic Day Celebrations	Celebration of Republic Day	28,157
1	1	2 Days	National Seminar on Youth and Civic Engagement: Perspectives and Prospects	Participation of Youth in Community Development activities	300
1	1	1 Day	Workshop on Youth and Community Engagement and Promotion of Routine Immunization	Workshop on Routine Immunization	230
1	1	1 Day	Launched of Unicef Project in Vizianagaram	Project on Poshan Abhiyan	97
1	179	7 Days	Special Camping Programmes	Clean & Green, awareness Rallies, Plastic free, Swachh Bharth	8950
1	1,42,156 saplings	1 day each unit	Plantation	Sapling were planted	21253
1	14,000 Units	1 Day each Unit	Blood Donation	Donate blood	18,124
1	56,420 Children	2 Days	Pulse Polio Immunisation Programme	Polio Vaccine	21,178

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
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Professional Ethics And Human Values	With Effect from 2015-2016 admitted batches, Text books : 1) Engineering Ethics, PHI by Govindarajan 2) Professional Ethics, Oxford University Press, by Subramanian	As part of improving Human Values, in 2015 the administration has initiated and introduced Professional Ethics and Human Values at UG level as a subject in the curriculum as a credit course having 2 credits. At the end of the semester final exam for 100 marks is conducted.
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7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Conducted awareness and sensitization programmes	2 days	112

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- 1) Steps were taken to make campus plastic free. The administration has taken strict measures to see that the campus is free of plastic carry bags and plastic cups.
- 2) Waste water diverted towards plantation
- 3) All hostels are equipped with eco friendly carry bags
- 4) All university Canteens are made plastic free i.e no plastic cups and plastic plates are allowed inside the campus
- 5) Swatchh Bharath is observed in the campus
- 6) Conducting awareness programmes for university community and society along with NGO's on eco friendly products and processes.
- 7) Observed World Environment Day

7.2 Best Practices

Describe at least two institutional best practices
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

1. Design and execution of Quality Management System in the University
2. Formation of multi-disciplinary research teams
3. Certification of ISO 9001:2015
4. Continuation of Market driven and innovative New courses
5. Provision of Health Insurance for Students
6. Modernization of Dr.V.S. Krishna Library
7. Mandated 80 hours sports for students

Apart from the above 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
- Organised Blood Donation Camps
- Check dams are constructed in some areas to protect ground water and to improve water harvesting.
- University Administration has initiated measures and is trying hard to transform into a paperless office.
- Mass Plantation programmes are organized in collaboration with voluntary organizations.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words

Andhra University is contributing significantly through research in humanities, science and technology, engineering and management. Andhra University has identified the need for world class research and as one of its best practise has formulated multi-disciplinary research teams with the following as the objectives:

- i) To promote quality research in the University
- ii) To develop modern research infrastructure in the University
- iii) To attract projects from funding agencies and industry
- iv) To develop networking with industry and research organizations to carry out research of National importance
- v) To promote research culture on multi-disciplinary platform

8. Future Plans of action for next academic year (500 words)

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

- Fostering global competency among students through increasing collaboration with international reputed organization and introducing more twining programmes.
- Centralized computational laboratories are to be modernized with latest software.
- Departmental libraries are to be strengthened.
- Value based education system is reviewed and promoted further.
- To strengthen its research facilities and promote a healthy research atmosphere.
- To transform into a paperless office
- To improve our international rankings

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

