



# **SELF STUDY REPORT**

**FOR**

**4<sup>th</sup> CYCLE OF ACCREDITATION**

**ANDHRA UNIVERSITY**

**ANDHRA UNIVERSITY, KARAKACHETTU POLAMAMBA ROAD, WALTAIR  
530003**

**[www.andhrauniversity.edu.in](http://www.andhrauniversity.edu.in)**

**SSR SUBMITTED DATE: 15-06-2023**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**June 2023**

# 1. EXECUTIVE SUMMARY

## 1.1 INTRODUCTION

Andhra University was established in 1926 by the Madras University Act to serve the entire linguistic region of Andhra as a residential teaching-cum-affiliating multi-disciplinary university. The institution has Sir C.R. Reddy as its founder Vice-Chancellor and Dr.Sarvepalli Radhakrishnan as the second Vice-Chancellor. A sprawling campus of 425 acres dotted with 205 buildings, vast open spaces, a brilliant ecosystem with its rich biodiversity and magnificent Kailasa Hill as the backdrop with mystic blue of the Bay of Bengal in its front constitute a unique environment in a city such as Visakhapatnam.

Andhra University has delivered high quality education to contribute to the national education mission and in many ways, it has been a part in the framework to strengthen the country as a nation, and successful alumni, research outcome of this university were the social model for unity of the society and a factor for growth and development of India. The university has the distinction of having five Shanti Swarup Bhatnagar Awardees, two PadmaVibhushan Awardees, one PadmaBhushan Awardee, five PadmaSri Awardees with the recent addition of two in 2023, amongst its alumni.

Nobel laureate Sir C.V. Raman was closely associated with laying research foundations in Physics, and Prof. C.R.Rao, world renowned statistician, Dr. Neeli Bendapudi, President of Penn State University, Shri M Venkaiah Naidu, former Vice President of India, Dr G.M.Rao, Chairman GMR group, Justice Jasti Chalamaswar, former Judge, Hon. Supreme Court of India, were among the proud alumnus of AU.

		
<b>Sir.C.V.Raman</b>	<b>Prof.C.R. Rao</b>	<b>Neeli Bendipudi</b>
		
<b>M.Venkaihnaidu</b>	<b>Dr.G.M.Rao</b>	<b>Justice Chalamaswar</b>

The University has distinguished itself by starting many programs which are innovative and first of their kind in higher education system of India. The University offers 178 programmes through 58 academic departments at UG, PG, and Ph.D level. It has 16 research Centers and one among the 10 universities in the country for support under “Rashtriya Uchhatar Siksha Abhiyan (RUSA).

Crafted by its legacy of excellence, the university has made another distinction by way of establishing collaboration in allied fields with Tri Forces under an MoU with DGR, GOI. The 97 years of glorious journey, recognizing its quality pursuits, the University was graded by NAAC at “A” with a CGPA of 3.60 in the previous cycle during 2017, and also obtained ISO 9001:2015 certification. Quantum leaps for University’s aspirations for excellence during the assessment period :

- Infrastructural surge (80 Cr)
- Establishment of (16) Research Chairs from Industry and Corporates.
- AU-RINL (bioArbor) Medical Genetics Centre, AU-AVANTHI COE for Marine Skill development, AU-Saint LUKES Dolby Studio, AU-NASSCOM COE for IOT, AU\_ROSYS COE for Drone Technology.
- AU-Ramkey (Element) Pharma Incubation & Product Testing Centre, AU Startup (a-Hub) and Incubation Centre, and Algorithm an AU Digital Zone with 25 smart class rooms.
- Four (4) new sports grounds and one AU-Mahabhodi International Buddhist Meditation Centre.

## Vision

### **Create New Frontiers of Knowledge in Quest for Development of the Humane and Just Society.**

Since its establishment in 1926, Andhra University follows its noble vision and mission as inscribed in the logo, “*ThejasvinaVadhitamastu* ”, which means, “May the Divine Light Illuminate Our Studies”. Ever since its inception in 1926 Andhra University has an impeccable record of catering to educational needs and addressing the sociological problems of the region. The University is relentless in its efforts in maintaining standards in teaching and research, ensuring proper character building and development among the students, encouraging community developmental programmes, nurturing leadership and patriotism in young men and women and imbibing a sense of responsibility to become good citizens of the country.

Towards the achievement of vision of the University, the following strategic goals are set:

- To encourage creation and dissemination of knowledge;
- To strive for advancement of Science and Technology by undertaking research in frontier areas;
- To promote study in areas of contemporary relevance and societal importance;
- Impart training in specialized areas that bear direct relationship to industrial establishments;
- To make special provision for the spread of Higher Education through non-formal education;
- To envisage programs for women and to the marginalized and help them join the mainstream;
- To project each of the University departments as a research Centre focused on national priorities and social needs; and
- To collaborate with other stakeholders of Higher Education and impact knowledge required to acquire gainful occupation.

The vision of the university is inextricably linked to its teaching, learning, research, consultancy, processes, industrial and societal interactions and community outreach activities.

## **Mission**

- 1) To Stimulate the academic for promotion of quality of teaching, learning and research.
- 2) To undertake quality related research studies, consultancy and training programmes.
- 3) To foster global competencies among students and to inculcate value system in them.
- 4) To promote the use of state-of-the-art technology and quest for excellence.

The mission also emphasizes that the role of university is not just confined to imparting knowledge alone but to shoulder the responsibility of inculcating the desirable value system among the students. The mission of Andhra University is to leverage global knowledge networks to help India and International Community in developing human resources capable of leading creative developments by upholding intellectual traditions and human values. Keeping in pace with the global needs and challenge, the University has always subjected itself for continuous self-evaluation for maintaining standards and to reach set targets in order to ensure quality in Higher Education. The University achieves its mission through a well-defined quality policy which reads as :

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

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

The quality policy is articulated by extensive participation and involvement of the top management of Andhra University. The policy is relevant to the organization's goals and commits to meet the expectations and needs of the stakeholders on quality education through reinforcing culture of excellence in all processes of higher learning. A strategic plan is developed for 10 years from 2017 to 2027. The mission is achieved by focusing the parameters such as Multidisciplinary and Inter-disciplinary Teaching and research, Student amenities, Achieving social impact, Teaching & research collaborations with global universities, skill development, Innovation, incubation and startups, technology transfer, employability, and Indian value system.

In tune with NEP 2020, Andhra University refreshed its purpose especially over the past 2 years, while aiming at generating human resources, aligning them to be socially relevant, industry-ready, and globally connected.

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- This is one of the first Universities in India with a legacy of excellence and a deep commitment for knowledge generation. It has embarked upon implementation aspects of NEP 2020, prioritizing sub

themes with initiatives to promote Gender parity, Flexibility and mobility, Indian Knowledge system, Research, Innovation, Technology integration, employability, and Internationalization, which indicates its strong commitment for multidisciplinary modal, and make India the Viswa Guru.

- AU has highly qualified, experienced faculty members who are committed and competent.
- AU has nearly 425 acre walled campus in the heart of Visakhapatnam, the city of destiny, and also hosting two major institutes namely IIM Vizag and Indian Institute of Petroleum & Energy (IIPE) on its campus for over 9 years.
- State-of-the-art research and teaching infrastructure has been developed through systematic budgetary planning and continuous investment from several sources.
- The University has international students from 49 countries such as Mauritius, Nepal, Africa, Iran, Afghanistan and have international student hostels. This helps to identify diverse ideas and create a multiculturalism atmosphere.
- AU has sixteen (16) Industry endowed/sponsored chairs.
- The university has well established academic and administrative system and governance.
- AU is a safe and secure campus for everyone with rich bio diversity. It has a wide range of academic programs with vivid, contemporary and state-of-the-art curriculum.
- Core values of social equity and social justice along with high quality educational practices at both UG and PG level.
- Qualitative research outcome and impressive growth in h-index is the strength of AU. Good student amenities and Startup facilities are developed across the campus in all verticals.
- The collaborative culture as reflected by the numerous collaborative research and teaching program's and more specifically, a tradition of excellence over a wide spectrum of disciplines is ingrained into the unique seat of AU right from inception by its founding Vice Chancellors.
- Dream Wall at the AU campus inspire youth to aspire big.

### **Institutional Weakness**

Andhra University is fully aware of its weaknesses in terms of carrying out Strategic Plans and achieving the Quality Mandate. SWOC analysis revealed the following.

- Being a 97-year-old university, ageing structure of AU, require heavy maintenance.
- AU is a state University governed by AP State Universities Act. The State Government has a strong role to play in the development and decision making of the University. The University depends on state government for approval and implementation of various regulations as pronounced by different central regulatory bodies. There has always been a time lag in implementation of such schemes and regulations.
- Despite being located by the side of sea coast, there is a missing push on full utilization of maritime resources and lack of truly trans-disciplinary programs and projects, to cater to areas related to coastal biodiversity, marine litter management, coastal disaster management and assessment of social dependency in vulnerable coastal areas.
- Inability to increase the critical mass of students despite huge demand ratio due to inadequate teachers/technical staff/physical infrastructure.
- Inability to enhance alumni activities from arts college campus and its departments.
- More truly Interdisciplinary programs to be designed
- Teachers' contribution to programs like NPTEL and SWAYAM is low despite efforts.

### **Institutional Opportunity**

- AP Government is all set to transform Visakhapatnam into a knowledge economy zone and Andhra University with its legacy of academic programs, established start-up eco-system in multiple verticals, Industry connect with research base, can be a catalyst in the Government's initiatives, transforming youth into a dependable 'Skill Pool' with enhanced competencies.
- Good scope to Upgrade all existing programs and courses to suit in line with NEP 2020 since the Policy has opened new avenues for expansion in multidisciplinary areas.
- There is a substantial scope for interactive research in collaboration with other national institutions and public sector industries capitalizing the location advantage.
- Possibility of joining hands with overseas universities to offer Twinning, Dual degree program's etc., in Teaching & Research. Amidst popularity of the campus, its easy access to highways/airport/sea-port/IT Parks with less traffic density, Andhra university is poised as a global education leader with congenial research eco-system.
- More potential to capitalize on the land available in the heart of the city at the disposal of the university to establish bio-tech/pharma/STPI parks.
- Scope for launching many online courses, ODL programs.
- Opportunity to reach Tribal Habitats and Promotion of rural women entrepreneurship to empower Tribal women folk in tribal areas like Araku, Paderu.
- IPR chair on the campus and its support for Patents and Commercialization of Prototypes/Patents.
- Capitalize the opportunity of extensive support by GoI for incubation centers

## **Institutional Challenge**

Amidst paradigm shifts in technology, to deliver truly transformative outcomes, Andhra University is continually striving to achieve its goals. It has identified its challenges.

- AU has a large student base and transforming to blended mode with any time anywhere kind necessitates creation of huge digital infrastructure.
- Attracting international faculty due to stringent regulations, and inability to compete with the promotional and branding strategies of private Universities to attract and increase the number of international students.
- Societal and student perception as sole means for a Job, is hampering educational progression and especially the students shift in priority, more towards professional and technical courses.
- Less Diversity of students from other states of the country due to constraints in admission policy of state funded universities. Also delayed admissions of students into PG courses due to common entrance cum admissions in recent times hamper calendar of academic activities.
- Stakeholders/Governments shift in perception and focus on annual numerical achievement vs. overall qualitative judgement.
- Despite decreasing Governmental support for focused investment in State-of-the-Art laboratory with sophisticated equipment and facilities, AU struggles to meet such ends through CSR, Alumni initiatives in the interest of higher academic goals.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Andhra University offers 178 (UG, Integrated, PG and Ph.D.) programs through its 58 departments apart from School of Distance Education programs. Outcome based education (OBE) is at the heart of all programs in the University.

The needs of the various sectors of the society are being answered through these programs and they have well defined POs, PSOs and COs on par with global standards. The University has followed CBCS from the academic year 2015-2016. In 2021, it modified the curriculum of all programs in tune with the NEP-2020 policy. The underlying ideal of this University is to disseminate advanced knowledge in an interdisciplinary framework.

The CBCS allows students to acquire holistic perspective and supports their talents and capabilities giving them scope to understand socio economic issues of the country. Curriculum Revision Workshops are organized along with peer review involving faculty/alumni/industry professionals /parents/R&D, vetted by Department Council, and final approval by Academic Senate. Efficiency, and democratic practices are ensured through confidential students' feedback on curriculum, covering content, contemporary relevance, timely completion, and delivery, alongside teacher performance. Annual academic audit in each department helps in evaluation of academic/research/extension.

The evaluation process consists of Continuous Assessment and End Semester Assessment. Research methodology and techno-entrepreneurship are incorporated in the curriculum to imbibe innovation and entrepreneurship culture among students.

A laudable 94% curricular revision was implemented in the last five years, with introduction of new programmes and courses in skills of multi nature and enhancement of the avenues towards employability and entrepreneurship of the student fraternity. A total of 1751 courses have been introduced across all the programs during the five year period. These new programs are designed to meet the contemporary needs of the society from time to time and relevant to professional ethics & human values, environment and sustainability.

Through various skill development centres, industry & research organizations, the university has kept the avenues open to its students who accessed around 262 value-added courses during this five-year period. About 30% of students have enrolled themselves for these courses and the impact is well pronounced in their campus selections and students opting for self-employment.

The University has taken up the measures to include field projects/research projects/internships during their study as part of the curriculum. All the programs have project work/internship/field project in the curriculum.

By adopting NEP – 2020, promoting skill-based courses, outcome-based education and analysis of feedback, the curriculum of AU has set a benchmark for many higher education offering institutes.

IQAC of the University has collected and analyzed feedback from all stakeholders of the institution, and the observations are considered for revising the structure of the programs.

### **Teaching-learning and Evaluation**

The admission policy is strictly according to the Constitutional provision for reservations for all the programmes and admissions are done through a centralized online counselling process based on the common entrance examination conducted at State Level by regulatory body. The high demand ratio for a vast spectrum

of UG, PG programmes stands testimony to the loftiest priority accorded to Teaching, Learning and Evaluation by University.

Most of the PG and Ph.D. programmes have project work/internship/practical training/Field/Society benefitted projects with industry and R&D Labs exposure. AU has good student- teacher ratio of 18:1 ensures effective teaching-learning process. The mentor-mentee system that has been in practice in the institution since 2015 has benefitted the students enormously. It has helped both the quick learners and the slow learners by equipping them with the skills required in completing the program and for the overall personality development through participation and through peer learning.

The University has a mechanism for offering remedial courses for slow learners, especially for students from rural and marginalized backgrounds. Remedial courses are offered to those deficient in the English language.

The transparent system of continuous assessment also allows students to track their progress during the semester and improve their performance through constant interaction with the teacher. In addition, supplementary examinations ensure that students are given enough opportunities to improve their grades.

The Institution uses ICT enabled tools including Smart interactive boards, LCD projectors, Video conferencing, Public Address system, Document Camera and several online tools for more engaging and effective teaching and learning process.

The pandemic necessitated online teaching-learning process and teachers as well as students were trained on the utilization of online tools such as Zoom, Google Meet, Microsoft Teams, and digital library. By strictly following the curriculum and academic calendar during the pandemic, with the use of these online tools, the University turned an adversity into an opportunity.

University has qualified faculty members with diverse specialization. And they have an average teaching experience of 36 years, and 87 % of the 538 faculty members have doctoral degrees.

Teachers regularly participate in seminars, and orientation and refresher courses.

IT Integrated automatic examination management system is in place and the publication of end semester results are done on an average of 21 days. To maintain transparency in the evaluation process, re-evaluation is made available to the students and they are also encouraged to get DigiLocker facility.

### **Research, Innovations and Extension**

AU has a well-defined policy for the promotion of a research, innovation and entrepreneurship ecosystem. Most of the departments are recognized by funding agencies such as UGC-SAP, DST-FIST, DST- SEED, DBT. The Institution provides seed money to the faculty to strengthen basic research. Well-defined research promotion policy is effectively implemented. Around **16** (sixteen) Industry Endowed professor chairs including 2 international sponsored chairs have been created during the assessment period. The campus has sixteen research centers such as AERC, Center for studies in Bay of Bengal, PRC.

Around 550 JRF, SRF, PDA have enrolled during the last five years. Facilities such as Central Instrumentation Centre, Animal House/Green House, Museum, Media Laboratory/studios, Research/Statistical Databases, mootcourt, Theatre and Art gallery are available. 77.97% departments have been recognized by national and



international agencies.

Interdepartmental and interdisciplinary research projects are widely undertaken. During the assessment period, a TDR-HUB is established and the University got financial assistance for carrying out 369 research projects worth Rs. 20,985.79 lakhs.

A dream wall is created on the campus to inspire youth towards innovation. AN integrated Startup eco system is established in the campus of Andhra University. An “AU-NASSCOM Centre of Excellence for IOT and Machine Intelligence”, has been established to promote innovation/incubation in IOT and Machine Intelligence domain with an outlay of INR 30 Cr. in 7,000 sq.ft. space. It has successfully incubated around 45 startups with 35 student Interns and 63 Use Case were taken up for prototype development by AU\_NASSCOM.

RINL-AU-STPI industry 4.0 Innovation center has been established and started functional in Rastriya ISPAT NIGAM Ltd premises.

Workshops/seminars are organized on research methodology, intellectual copyrights, entrepreneurships and skill development. Around 89 faculty members have received awards for their contributions towards research during the assessment period. The University has implemented plagiarism software check and developed code of ethics for research which is monitored by research advisory and other institutional ethics committees. 66 faculty members have received national and international awards and university has in turn felicitated them with incentives. University Published 81 patents out of which 14 are awarded, 3 are Copyrights, 1 Technology transfer and 67 patents are in publication stage.

Every year on an average 425 Ph.D. Degrees are awarded. E-content was developed by faculty members and hosted through e-PG – Pathshala, CEC, SWAYAM, APSCH and AU-LMS. The citation index is 7.62 (Scopus + web of Sciences) and the average h- Index is 45.5 during the assessment period. The University has effectively implemented its consultancy policy and carried out consultancy works to a tune of Rs 2321 lakhs.

103 Functional MoUs are inked with national and International organizations. On an average 506 collaborative activities are completed with various organizations during the assessment period.

The University has undertaken 239 extension activities and on an average 59.07% students participated during the assessment period. The N.S.S., N.C.C. and UBA units of the Andhra University are very active and taken up a number of programs of public interest. 16 awards are received by NSS personnel.

### **Infrastructure and Learning Resources**

Andhra University made substantial investment on creating infrastructure and Learning Resources to promote academic excellence and research. The university is covered with flora and fauna over 425 acres of land located in the heart of Visakhapatnam city.

The university has ecofriendly and great ambience having state of art infrastructure for teaching, learning, cultural activities, sports, yoga and other facilities.

At present, 58 departments along with School of Distance Education, 16 specialized research centres, 428 Class Rooms and Seminar Halls (352 ICT enabled classrooms, 76 seminar halls), state -of the-art of computer and GIS laboratories on campus will give the students ample learning opportunities as it is critically related to the

University's objective.

The University Library possesses a rich collection of e-books, e-journals, and physical editions of books and journals. The library has a digitization facility and fully automated with Integrated Library Management System (ILMS) and SOUL software to utilize the library's journals and special arrangements are provided for differently abled students. A separate unit of books in Braille has been developed for visually challenged students.

The library digitized content of around 2.34 lakh ancient palm leaves and uploaded them onto a cloud server. The university has ICT enabled physical facilities, lecture capturing system and software for editing. University has state of the art GIS laboratory and Drone Tech centre.

AU has a well-defined IT policy with budget provision for augmentation, maintenance and up-gradation of IT and Wi-Fi facility

The university has AU\_LUKES Media Centre, modern Audio visual Centre with facilities for Audio-Video recording, mixing and linear and non-linear editing.

24/7 WiFi campuses with OFC Backbone network (10GBPS) and more than 2 GBPS Internet connectivity is available on campus.

Efficient transport system, safe drinking water RO plants, sports facilities, strong energy and water management systems, differently abled and gender-equity ecosystem, startup and incubation centers, adequate hostel facilities for students including international students, multi-cuisine canteens, healthcare and hospital facilities, vigilant security systems make the campus versatile.

All the infrastructure is well maintained.

## **Student Support and Progression**

Andhra University has the unique distinction of creating an optimum student-friendly ambience on campus: scholarships and freeships to majority of PG students, fellowships to PhD/PDFs, higher rate of employment, transparent and efficient grievance redressal mechanism, due student's representation in academic bodies, vibrant alumni associations and wide avenues for co-curricular activities.

The university encourages students in personality development, skill development, employability and progression to higher education through a strong support system which includes Placement and Career Counselling Cell, Skill Development Centres, Office of Dean Student Affairs, Office of Dean Foreign Students, Physical Education Department, Students' Societies, Women Grievance Redressal Committee, Anti-Ragging Committee and a registered AU Alumni Association headed by GMR group Chairman GM Rao.

On an average more than 62.82% students are getting scholarships from AP Government and various organizations including AU alumni association and 75.12% of students are benefited by career counseling and guidance for competitive examinations. University organized wide array of programmes for capacity development and skill enhancement in soft skills, Language and communication skills, life skills (Yoga,

physical fitness, health and hygiene) and also awareness trends in technology.

The student's grievance redressal cell, Internal Complaints Cell, SC/ST Complaint Cell and Anti-Ragging Committee/Squad, function efficiently on the University. On an average 42.96% of students are qualified in various state/national examinations including NET/SLET/GATE/Civil Services/IES/judicial services/Administrative Services, bringing many laurels to the University.

34.08% students progressed to higher education while 75.99% of the outgoing students obtaining placements during this assessment period.

A total of 194 students won awards/medals for outstanding performance in sports/cultural activities at inter-university/state/national/international events. University organized a substantial number of cultural events/sports competitions during the assessment period.

The "Andhra University Alumni Association (AAA)" with a galaxy of luminaries, support in diverse areas of activities like academic collaboration, Hostel Constructions, mentoring, instituting endowments and scholarships, and providing financial support for developmental needs. Total Alumni contribution for period of assessment in five years is more than 2.5 Crore in the assessment period.

A participative democratic academic ambience is ensured through students' representation in many statutory/non-statutory bodies including BOS, Grievance Committee, Hostel Monitoring Committee, Hostels' Committee and Canteen Advisory Committee.

University has three commendable student unions namely united Student club, GITA, KALAW, provide platforms for academic/artistic/sports endeavors, career guidance, skill- upgradation, other arts and cultural events.

## **Governance, Leadership and Management**

Since its establishment in 1926, Andhra University follows its noble vision and mission as inscribed in the logo, "*ThejasvinaVadhitamastu* ", which means, " May the Divine Light Illuminate Our Studies".

The University management believes in decentralization and participative management and leadership. It takes policy decisions through its statutory bodies viz., Academic Council for academic matters, Finance Committee for fund management, and Building Committee for infrastructure development. The Executive Council is the apex body of the University to consider and approve the decisions taken by other statutory bodies and act on policy matters. Decentralized and participative administration at all levels is the force behind the success of 97 years old university. The organizational structure of the University clearly establishes the hierarchical roles, ensures smooth and effective functioning of the University through teaching and non-teaching staff.

The leadership team consists of the Vice-Chancellor and Rector, and the Registrar. All academic matters, such as conduct of entrance examinations, semester exams, and results declaration are handled by the Office of the Controller of Examinations in close cooperation with all the departments, colleges. Apart from Acts, Statutes, Ordinances and Regulations, University' policies on Research/Consultancy/Gender/Innovation and Student Start-up along with Green Charter guides all the academic/administrative activities.

Andhra University has a well-defined strategic plan for 2017 to 2027 and it is being implemented successfully in all areas. e-Governance is implemented in all areas of planning and development, administration, finance, examination, student admission and support.

Andhra University strictly adheres to all the promotional and welfare measures for all its teaching, non-teaching staff with appropriate self-appraisal system. It encourages its staff by providing financial assistance to attend and conduct National/International conferences, Workshops, seminars etc. Apart from UGC/Government funding University mobilizes revenue through, admission and examination fees, consultancy projects, CSR funding, affiliations, Alumni funding and the internal and external audits are ensured for optimum utilization as per statute and policies of University.

IQAC is instrumental in implementing several Quality measures through internalization of quality culture and adopting best practices like Green Campus, Energy and Environment audits, Academic audits annually, ISO 9001:2015 Internal and External Surveillance audits, Collection of Feedback from stakeholders and follow up action, Industry Institute Connect (IIC), Appraising Staff and research scholars on Research related issues, Implementation of NEP 2020 and Online performance appraisal for teachers which resulted to get good rankings in NIRF, THE WUR, QS rankings, India Today, WEEK etc and other accreditations.

### **Institutional Values and Best Practices**

The AU campus has a conducive environment for gender equity which is reflected in the composition of students and staff. There is no gender discrimination and equal opportunities are given to men and women. The University has also taken steps to ensure the welfare of a transgender student who took admission recently.

The University has established the Durgabai Deshmukh centre for women's studies and they regularly conduct gender sensitisation programmes to promote cooperation between male and female students.

AU has rest rooms in all departments / offices for women. The cc cameras are fixed in several places on campus to ensure women's safety and security. There is a day care center established in AU.

The university is utilizing alternative sources of energy and conservation such as solar energy, biogas plant, wheeling to grid and sensor-based energy conservation. The university has policy for all types of waste management which is effectively implemented. The water conservation facilities like rain water harvesting, borewells and bunds, open well recharge, Construction of tanks and bunds, waste water recycling and effective water distribution system.

Initiatives are taken to make the campus ecofriendly and green. The university has restricted entry of automobiles, ban on use of plastic pedestrian friendly paths, land scaping with trees and plants, and one battery powered vehicle. The University conducts the green audit, gender audit, energy audit etc. using external agencies and implement the opportunities for improvement.

Andhra University is a strong facilitator for the differently abled people across the campus. The elevators/ supported walk paths, separately equipped restrooms are available. Providing writing assistance, audio visual learning equipment are some of the initiatives.

Andhra University follows equity above equality in its functionaries. The University is fully aware that education cannot be limited to classroom instructions alone. Besides the studies, the University feels that it is

the moral responsibility to groom the students for becoming responsible citizens and contribute to the progress and development of the nation.

The University has been striving its best to inculcate among its students, ethics and human values. The University trains its students to be academically brilliant, professionally excellent, and more than anything, be responsible citizens of the country.

Among its several best practices the University has been able to successfully integrate all the innovation Centers in the University under a single umbrella called Andhra University Incubation Hub (? hub) to ensure synergy in order to achieve a vibrant “Innovation and Entrepreneurship” culture, foster innovation and creativity through entrepreneurship and employability.

Yet another best practice in Andhra University is further strengthening of “AU Holistic wellness ecosystem”, by way of integrating Sports, Yoga & Meditation, and Mental Health Counseling centers, as a unique congruent Indian Knowledge Initiative on campus, that facilitates further promotion of physical, social, mental and spiritual wellness of youth for holistic personality development.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	ANDHRA UNIVERSITY
Address	Andhra University, karakachettu Polamamba Road, Waltair
City	Visakhapatnam
State	Andhra Pradesh
Pin	530003
Website	<a href="http://www.andhrauniversity.edu.in">www.andhrauniversity.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Pvgd Prasad Reddy	0891-2844222	9393112979	-	vicechancellor@andhrauniversity.edu.in
IQAC / CIQA coordinator	Dhavala Lalitha Bhaskari	0891-2844818	9885438922	-	lalithabhaskari@yahoo.co.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	26-04-1926
Status Prior to Establishment, If applicable	

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC	26-04-1926	<a href="#">View Document</a>
12B of UGC	26-04-1926	<a href="#">View Document</a>

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Andhra University, karakachettu Polamamba Road, Waltair	Urban	423.12	5417989	UG, PG, Professional Courses(UG and PG), Integrated, Phd		

## 2.2 ACADEMIC INFORMATION

### Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Education/Teachers Training	0	60	60
Medicine & Surgery/Ayurveda/Unani/Homeopathy/Health & Allied Sciences/Paramedical/Sciences	2	18	20
Rehabilitation Sciences	0	1	1
Business Administration/Commerce/Management/Finance	1	10	11
Engineering/Technology/Architecture/Design	3	5	8
Universal/Common to All Disciplines	20	179	199
Law	0	6	6

#### Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	305
Colleges Under 2(f)	10
Colleges Under 2(f) and 12B	26
NAAC Accredited Colleges	20
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	7
Colleges with Postgraduate Departments	42
Colleges with Research Departments	24
University Recognized Research Institutes/Centers	33

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes
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SRA program	Document
PCI	<a href="#">107742_5807_6_1670650949.pdf</a>
BCI	<a href="#">107742_5807_8_1670655782.pdf</a>
AICTE	<a href="#">107742_5807_1_1672990416.pdf</a>
NCTE	<a href="#">107742_5807_4_1678164740.pdf</a>
COA	<a href="#">107742_5807_18_1678187983.pdf</a>
RCI	<a href="#">107742_5807_19_1677848483.pdf</a>
DEB-UGC	<a href="#">107742_5807_21_1677935156.pdf</a>

### Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	285				103				362			
Recruited	124	39	0	163	44	34	0	78	20	9	0	29
Yet to Recruit	122				25				333			
On Contract	33	7	0	40	0	0	0	0	134	94	0	228

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				3251
Recruited	890	230	0	1120
Yet to Recruit				2131
On Contract	766	194	0	960

Technical Staff				
	Male	Female	Others	Total
Sanctioned				561
Recruited	155	11	0	166
Yet to Recruit				395
On Contract	19	5	0	24

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	124	39	0	42	33	0	13	9	0	260
M.Phil.	0	0	0	1	0	0	3	0	0	4
PG	0	0	0	1	1	0	4	0	0	6
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	31	7	0	0	0	0	93	61	0	192
M.Phil.	2	0	0	0	0	0	2	4	0	8
PG	0	0	0	0	0	0	34	34	0	68
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

**Distinguished Academicians Appointed As**

	Male	Female	Others	Total
Emeritus Professor	3	0	0	3
Adjunct Professor	30	7	0	37
Visiting Professor	0	0	0	0

**Chairs Instituted by the University**

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	AU COLLEGE OF ENGINEERING AND AU COLLEGE OF SCIENCE AND TECHNOLOGY	RINL CHAIR	RINL
2	NASSCOM GOVERNMENT OF A.P. AND ANDHRA UNIVERSITY	IoT CENTER OF EXCELLENCE	NASSCOM
3	Ms LEE PHARMA LIMITED HYDERABAD	LEE PHARMA CHAIR PROFESSOR	LEE PHARMA
4	MS SYMBIOSYS TECHNOLOGIES VISAKHAPATNAM	SYMBIOSYS TECHNOLOGIES CHAIR PROFESSOR	SYMBIOSYS TECHNOLOGIES
5	MS MAP AVENUES VISAKHAPATNAM	Smt. SHEIK SYDOON MASUMA BEGUM CHAIR PROFESSOR	MAP AVENUES
6	Mr JAMES STEPHEN	DR B.R. AMBEDKAR CHAIR PROFESSOR	DR.B.R.AMBEDKAR CHAIR
7	PROF. H. PURUSHOTHAM	DPIIT IPR CHAIR	DPIIT IPR

**Provide the Following Details of Students Enrolled in the University During the Current Academic Year**

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1698	59	0	51	1808
	Female	1816	56	0	55	1927
	Others	0	0	0	0	0
PG	Male	2537	27	9	25	2598
	Female	2891	43	9	27	2970
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	27	0	0	0	27
	Female	23	0	0	0	23
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	252	5	0	46	303
	Female	204	6	0	20	230
	Others	0	0	0	0	0
Diploma	Male	158	0	0	0	158
	Female	66	0	0	0	66
	Others	0	0	0	0	0
Certificate / Awareness	Male	99	0	0	0	99
	Female	52	0	0	0	52
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	Yes
Total Number of Integrated Programme	2

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	267	0	0	0	267
Female	185	0	0	0	185
Others	0	0	0	0	0

**Details of UGC Human Resource Development Centre, If applicable**

Year of Establishment	09-04-1985
Number of UGC Orientation Programmes	2
Number of UGC Refresher Course	3
Number of University's own Programmes	2
Total Number of Programmes Conducted (last five years)	43

**Accreditation Details**

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	A	86.05	<a href="#">Cycle1.pdf</a>
Cycle 2	Accreditation	A	3.64	<a href="#">Cycle2-rep_compressed.pdf</a>
Cycle 3	Accreditation	A	3.6	<a href="#">Cycle 3-rep.pdf</a>

**2.3 EVALUATIVE REPORT OF THE DEPARTMENTS**

Department Name	Upload Report
Anthropology	<a href="#">View Document</a>
Applied Mathematics	<a href="#">View Document</a>
Architecture	<a href="#">View Document</a>
Biochemistry	<a href="#">View Document</a>
Biotechnology	<a href="#">View Document</a>

Botany	<a href="#">View Document</a>
Chemical Engineering	<a href="#">View Document</a>
Chemistry	<a href="#">View Document</a>
Civil Engineering	<a href="#">View Document</a>
Commerce And Management Studies	<a href="#">View Document</a>
Computer Science And Systems Engineering	<a href="#">View Document</a>
Economics	<a href="#">View Document</a>
Education	<a href="#">View Document</a>
Electrical Engineering	<a href="#">View Document</a>
Electronics And Communication Engineering	<a href="#">View Document</a>
Engineering Chemistry	<a href="#">View Document</a>
English	<a href="#">View Document</a>
Environmental Science Engineering And Management	<a href="#">View Document</a>
Environmental Sciences	<a href="#">View Document</a>
Fine Arts	<a href="#">View Document</a>
Food Nutrition And Dietetics	<a href="#">View Document</a>
Geo Engineering	<a href="#">View Document</a>
Geography	<a href="#">View Document</a>
Geology	<a href="#">View Document</a>
Geophysics	<a href="#">View Document</a>
Hindi	<a href="#">View Document</a>
History And Archaeology	<a href="#">View Document</a>
Human Genetics	<a href="#">View Document</a>
Humanities And Social Sciences	<a href="#">View Document</a>
Information Technology And Computer Applications	<a href="#">View Document</a>
Instrument Technology	<a href="#">View Document</a>
Journalism And Mass Communication	<a href="#">View Document</a>
Law	<a href="#">View Document</a>

Library And Information Science	<a href="#">View Document</a>
Marine Engineering	<a href="#">View Document</a>
Marine Living Resources	<a href="#">View Document</a>
Mathematics	<a href="#">View Document</a>
Mechanical Engineering	<a href="#">View Document</a>
Metallurgical Engineering	<a href="#">View Document</a>
Meteorology And Oceanography	<a href="#">View Document</a>
Microbiology	<a href="#">View Document</a>
Music And Dance	<a href="#">View Document</a>
Nuclear Physics	<a href="#">View Document</a>
Pharmaceutical Sciences	<a href="#">View Document</a>
Philosophy And Religious Studies	<a href="#">View Document</a>
Physical Education And Sports Sciences	<a href="#">View Document</a>
Physics	<a href="#">View Document</a>
Political Science And Public Administration	<a href="#">View Document</a>
Psychology And Parapsychology	<a href="#">View Document</a>
Sanskrit	<a href="#">View Document</a>
School Of Distance Education	<a href="#">View Document</a>
School Of International Business	<a href="#">View Document</a>
Social Work	<a href="#">View Document</a>
Sociology	<a href="#">View Document</a>
Statistics	<a href="#">View Document</a>
Telugu	<a href="#">View Document</a>
Theatre Arts	<a href="#">View Document</a>
Yoga And Consciousness	<a href="#">View Document</a>
Zoology	<a href="#">View Document</a>

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Andhra University (AU) being the seat of higher
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learning right from its inception in the year 1926 has been maintaining innovation and research as its core strength in designing and developing curriculum besides ensuring the contemporary employability of the students. The university is offering interdisciplinary/integrated academic programmes with the adoption of CBCS/Electives/Specialization and also Add-on Certificates/Value Added Courses. The students have the option to choose from Core/Professional Electives and Open /Interdisciplinary Electives that are offered with a credit transfer. AU has established the Research & Development Cell, Centre for Industrial and Scientific Consultancy Cell. The office of the International Students' Affairs promotes interdisciplinary teaching-learning and research, based on student requirements from almost 58 countries pursuing varied courses at AU. Andhra Pradesh State Council for Higher Education (APSCHE) has identified AU as one of the top Five Multidisciplinary Education Research University (MERU) during 2020-2021 in the state of A.P. In recent rankings by THE WEEK Hansa Research Survey for 2022, AU has secured 9th Position in Multidisciplinary category at national level. AU Trans Disciplinary Research Hub (AU-TDR-HUB) is established to encourage trans-disciplinary research. The key initiatives are to adopt an interdisciplinary and multidisciplinary approach by identifying eligible and talented persons from Industry and academia outside AU and recognize them as eligible Research Guides through implementation of policy of Extramural category for providing Ph.D. Guidance as per UGC Norms. The University offers a variety of inter/multidisciplinary courses at UG and PG levels, including Molecular Genetics, Bio-Technology, and Marine Bio-Technology, among others. These courses provide students with a wider range of educational options. Andhra University in India has been recognized as one of the top 14 research institutions and has created a central facility for researchers in materials sciences, nanotechnology, physics, pharmacy, and other fields. The university has also been selected for four M.Tech. Programs sponsored by the Centre for Space Sciences and Technology Education in the Asia Pacific. The University has the unique distinction of being the seat for 15 Advanced Research Centres and at present the

	<p>Centre for Agro Economic Research, Delta Studies Institute, Studies on Bay of Bengal, Environment, Sustainable development and Climate Change(CESCC), NMR Research Centre, The Centre for Nano-Technology, Centre for Defence studies, Cyber Security &amp; AI-ML, and Data Analytics are a few to mention that are engaged in executing advanced research in multi-disciplinary areas with a specific focus to address issues pertinent to the needs of the contemporary society. AU's interdisciplinary approach under CBCS creates challenges, but they are being addressed through the gradual implementation of NEP-2020. This approach has led to success in commercializing a patent for a portable biosensor for Type 2 Diabetes through a technology license agreement with M/s. Akshaya Infotech, thanks to the administration's efforts towards a multidisciplinary approach as per NEP-20 guidelines.</p>
2. Academic bank of credits (ABC):	<p>Andhra University is eligible to enroll for Academic Bank of Credit(ABC) introduced by Higher Education. UGC has issued Regulations, 2021 for Establishment and Operation of Academic Banks of Credits (ABC) in Higher Education dated 28th July 2021 has accorded for Adoption of Academic Bank of Credit from the academic year 2021-22. Andhra University has registered itself under NAD and in ABC called as 'AU: Academic Bank of Credits (AU-ABC). The Director, AU Computer Centre is the nodal officer for ABC and NAD. Accordingly, AU is encouraging its students for inter alia, Course registration, course requirements, acceptance for interdisciplinary and multidisciplinary courses, credits to be offered to such courses, credit transfers and acceptance from other approved Higher Education Institutions, nature of grades to be awarded etc. AU is providing facility to students to choose their learning path to attain a Degree or Diploma or Post-Graduate Diploma or academic qualification, working on the principle of multiple entry/exit as well as any-time, any-where, and any-level learning. AU is enabling its students to integrate study from multiple disciplines of higher learning, leading to the desired learning outcomes including enhanced creativity, innovation, higher-order thinking and critical analysis. Adoption of ABC provides significant autonomy to students to choose from a basket of courses for an academic programme of</p>

	<p>study, flexibility in curriculum, novel and engaging course options across several higher education disciplines and or institutions. For effective implementation of AU-ABC, each academic department is offering programme-wise dynamics and made mandatory the students should complete courses in any MOOCS platform and get credit transfer for the award of respective degree. AU is providing student counselling and guidance to students to open an Academic Bank Account concerning the details of utilization of the services of ABC in terms of Credit Definition, Accumulation, Transfer and Redemption as well as in respect of the Opening, Closure and Validation of Academic Bank Accounts of Students with the support of Andhra University computer centre. As on date 71622 ABC accounts have been created. Students are encouraged to create ABC accounts and the university authorities are enforcing steps to create ABC accounts.</p>
3. Skill development:	<p>Andhra University is committed to improving the employability and entrepreneurial potential of students in tune with the thrust areas identified by the Governments. AU intends to catalyze startup culture and build a strong and inclusive ecosystem for innovation and entrepreneurship in India. As part of the RUSA initiative and policy of the Government, Andhra University established Entrepreneurship and Skill Development Centre, having collaborations with Software Technology Parks of India, NASSCOM, etc. '?? hub' Incubation Centre is located in the University Campus housing 56 start-ups as of now. It is the first of its kind among State Universities in India. Andhra University is also establishing a Food and Drug Testing Laboratory in collaboration with Visakha Pharma City to cater to the research and analytical needs of the pharma industry as well as to help the entrepreneurs involved in the export of marine products to different countries. This will be also a center for training students on skills required for the pharma industry, wherein students receive first-hand training on the use of sophisticated analytical equipment and regulatory processes to be followed in the pharma industry. There are many industries in the Coastal Districts of Andhra Pradesh involved in the business of fish and prawn culture and processing meant for exports. Avanti Feeds started a Skill Development</p>

Centre in the Department of Marine Living Resources and imparts training to the rural youth of Coastal Districts in fish and prawn culture and their processing. It also provides technical support for enthusiastic entrepreneurs. Andhra University in association with Andhra Pradesh State Skill Development Corporation (APSSDC) and SIEMENS Centre Of Excellence is established to bridge gap between Industry and academia by providing skilled engineers as requested by industry. So, by this training industry needs of spend much time and money on employee to make employee as skilled and to use. They can use directly by the industry after our training in Andhra University COE. The project has been launched on 7th March, 2018 and it is made fully operational. 6962 students have been trained till date. Andhra University has established '? hub' (a section 8 company) with a vision to be a vibrant and sustainable India's largest integrated multidisciplinary Incubation & Innovation Ecosystem of 2.0 Lakh sq. ft. by bringing multi sector based Incubation Centers, Annex Centers, and Student Ideation Centers. Andhra University Incubation Council (? hub) provides an environment to translate knowledge and innovation into the creation of successful entrepreneurs that shall help in contributing to the local economy and employment generation. Andhra University Incubation Council (? hub) creates an ecosystem that foster and support entrepreneurship amongst the students and local community leading to the creation of wealth and jobs. ? Hub set a goal to be one of India's largest integrated multi-disciplinary Incubation & Innovation Ecosystem by the year 2025. 72 startups are working in Andhra University at present.

4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):

Incredible India has a long tradition, philosophical and cultural history from thousands of years ago. Across the world, millions of people believed in and practiced Indian culture, especially in the arts, literature, yoga and meditation, philosophy, music, and textiles. The identity and belongingness of a country and an individual are mainly dependent on maintaining and preserving traditional Knowledge, culture and languages. Promoting Indian languages is only possible if they are utilized consistently for teaching and learning. The Indian languages have not received the required attention and care they deserve,

with the country losing over 220 languages in only the last 50 years. 197 Indian languages have been designated as "endangered" by UNESCO. Several unscripted languages are critically endangered. Efforts are made being made to preserve and promote all Indian languages, including classical, tribal, and endangered languages. Required Technology, public participation, and digital repositories are considered critical in these endeavours and AU is striving hard to revive some of these languages. AU has digitalised over 2.00 lakh talapatra leaves and kept the depository open to public by hosting all digitalised talapatras in the university website. Andhra University reflects the core values of the knowledge system (teaching in Indian language and culture, using online courses). AU's vision and mission centre on innovation, entrepreneurship, and skill development by integrating Indian Ancient Science and Ethos, reflective of its synergy with AU's initiatives and Action Plan vis-à-vis objectives of the implementation of NEP-2020. The AU has launched a variety of innovative academic programs and certificate courses including Indian Classical Music, Dance, Dramatics, Painting, Sculpture, Applied/Graphic/Visual Arts, Sound engineering, Archaeology, Ancient History, Linguistics, Design, Photography to cater to the needs of society, industry, and government. It caters to students' needs for languages like Linguistics- Japanese, French, Spanish and German by diploma courses and separate departments for Sanskrit, Telugu, Hindi, and English. The University respects values the attributes of tolerance and harmony, considering dress, food, habits, customs, caste, dialects, religion, and culture, and sensitizes students and staff towards cultural, regional, linguistic, communal, and socioeconomic diversities. CBCS has opened up opportunities to learn new and rare subjects, foreign languages, and Indian culture as a part of the curriculum. AU encourages students and teachers to actively engage in academic programs, activities, and events related to constitutional obligations: values, rights, duties, and responsibilities of citizens. Through its scholarships, fellowships, Gold Medals, and public felicitation and appreciation functions, AU values cultural excellence and promotes it in all aspects of university life. A Professor from the English Department was awarded the Nari-Puraskar by the

	<p>President of India for her work in developing tribal languages and coding. Other departments like History &amp; Archaeology, Geology, and Fine Arts also hold programs to preserve heritage culture and educate students on its legacy.</p>
5. Focus on Outcome based education (OBE):	<p>The Vision, Mission of the Institution and Department and Program Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Graduate attributes (GAs), Course Outcomes (COs), Learning Outcomes (LOs) of each programme in the Institution are aligned on the same path to achieve the creation of responsible citizens with a well-defined focus on their future and well-endowed with appropriate and required skill sets, which are very much useful to the society with utmost proper ethics and values.</p> <p>National Board of Accreditation has accredited most of the UG and PG engineering programmes under Tier-I and Andhra University is well expertise in implementing the process of OBE as per the National Educational Policy (NEP). Andhra University started to implement Outcome Based Education (OBE) in Teaching- Learning process from the Academic Year 2015-16 with modified and well refined curriculum by considering knowledge, wisdom, skills and attitude of the graduates after graduation. Outcome-Based Education ensuring that the outgoing students are well equipped with skills and effective knowledge to pursue their careers in their future endeavors. In addition, the National Board of Accreditation has accredited six engineering programmes under Tier-I. The COs are assessed as per the Revised Bloom's Taxonomy level and then, POs and PSOs are evaluated for ensuring the better learning levels with COs, POs and PSOs. The Course Outcomes are then mapped onto Program Outcomes (POs) and Program Specific Outcomes (PSOs). Course end Survey is taken from the students at the end of the course, which helps to refine the COs further. The rubrics are framed for each activity to measure the learning level of the students. Based on the assessment strategy and attainment levels of POs and PSOs, there will be a continuous improvement in the courses of the curriculum in the programme. Various formative and summative assessment tools for all the courses are identified to measure the performance of students. A correlation is established between COs, POs and</p>

	<p>PSOs on a scale 1 (Low) to 3 (High). Course Objectives and Outcomes are pedagogically designed and mapped using a mixture of Direct and Indirect methods considering elements of Employability, Entrepreneurship, Skill Development, relevant to Local, National, Regional, Global needs, Gender, Environment and Sustainability, Human Values, and Professional Ethics. Andhra University being MERU imparts multidisciplinary, interdisciplinary, trans-, cross-, intradisciplinary, professional, value-based, lifelong education, striving to achieve excellence in academics and research through capable faculty and students. IQAC has conducted good number of FDPs, STTPs, Seminars and workshops for faculty members to train them in designing OBE concepts and syllabi for their programs to meet the national objectives of NEP – 2020. To promote global competitiveness and ease student/graduate mobility, the institution aspires to preserve national standards and international comparability of learning results and academic norms. The Institute enables prospective students, parents, employers and other stakeholders to understand the nature and level of learning outcomes.</p>
6. Distance education/online education:	<p>School of Distance Education, an organ of Andhra University, established in 1972, has been one of the pioneering institutions in the field of Higher Education. It has been striving to extend the reach of higher education to different sections of the society located in divergent geographical areas, particularly in the State of Andhra Pradesh. As a compensation for missing on campus instruction, the learners admitted into these courses receive Self Learning Materials (SLM) to supplement the text books and other suggested references and guidance through personal contact program structured by a peer faculty within and outside the university. In 1972 B.A., and B.Com., Degree courses with some select specializations were offered with the approval of the U.G.C. The School of Distance Education was given ex-post facto recognition by the Distance Education Council, New Delhi for all the courses that are being offered by the School of Distance Education w.e.f. 1995 basing on the recommendations of a committee comprising of members from AICTE, UGC and DEC. By way of implementation and adoption of several procedures and by the introduction of modern equipment to strengthen the student support services,</p>

the School has achieved remarkable progress and reached the take-off stage during the academic year 1982-83. Students of this School study the same syllabi and are governed by the same regulations as that of the regular students of Andhra University. The Degree awarded is also the same. University developed a user friendly Learner Management System (LMS), through which learners can access their profile, internal assignments and examination information, can interact with faculty and coordinators using chat box, etc. Learners can also access the digital self learning materials through LMS. Online payment system for all activities such as, admissions, examinations, etc., by the learners has been introduced by School of Distance Education during the year 2020-21. Admissions will be done twice in a year ie., Academic Year (AY) batch (July to June of next year) and Calendar Year (CY) batch (January to December) for all programs. Through the Learner Portal, they can get complete information through regular updates in the form of messages apart from the information sent through whatsapp groups and individual mobile numbers. University will reach the learners by placing the complete information on its web page and informed all the learners to visit the web page regularly. To fulfill the goal of reach the unreached, a special program is designed for prisoners to continue their studies and can settle in respectable life when comes out of the jail. Personal Contact Programs and exams will be conducted in the Visakhapatnam Jail premises along with the regular ODL learners.

### **Institutional Initiatives for Electoral Literacy**

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Andhra University has an Electoral Literacy Club (ELC) which has been functioning during the last many years and bringing awareness among the student community both on campus and its affiliated colleges about the Electoral System in India, its importance, voting rights and responsibilities in democracy.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs	Yes. The students' coordinators and coordinating faculty members are appointed by the University and the ELCs are functioning effectively and they are



are representative in character?	organizing programs on 25th January every year to mark National Voter's Day.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The Andhra University ELCs in association with NSS Cell of Andhra University conducted various innovative programs with the support of students and District Administration to encourage student community who attain the age of 18 years eligible to enroll as voter are motivated to franchise their votes during elections. The students who are NSS volunteers visit to nearby communities and participate in awareness rallies by holding placards, pamphlets, banners. These awareness campaigns enhance participation of public for franchising their votes during elections. The students also share messages of the Election Commission, District Election Office through social media pertains to voting rights, new voter's registration, ethical voting, franchising their votes. The District administration under leadership of District Collector organize meeting on National Voter's Day on 25th January every year and our students participate in those meetings and Our Vice-Chancellor take initiative for reading pledge and the District officials, students follow to pronounce the pledge along with Vice-Chancellor. The District Administration request University authorities every year to deploy students for awareness rallies. The university officials and students respond positively to participate enthusiastically in awareness campaigns and rallies. The student volunteers and NSS volunteers extend help to the District Election authorities during elections by helping the elderly voters, facilitate supplying drinking water, formation of queues and guiding the voters to identify their polling booths, etc.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The University through the Department of Political Science and Public Administration, CSSEIP and NSS cell of Andhra University has been conducting a lot of Electoral surveys and awareness drives, student contests on the eve of National Voters Day. The Faculty as well as the students of the department handle and participate in various surveys, Seminars, Guest lectures on various democratic themes related electoral reforms, voting rights, importance of voting, ethical voting, and people's participation in electoral process and awareness drives.

<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The University regularly conducts awareness programs to educate students who are above 18 years who are yet to be enrolled as voters. ELCs work tirelessly to motivate students to get registered as voters. The University observes National Voter's Day every year on 25th January and highlights the themes of that particular year given by the Election Commission of India and put all efforts to sensitize youth not only for enrolment but also for their participation in franchising their vote.</p>
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## Extended Profile

### 1 Program

#### 1.1

##### Number of programs offered year-wise for last five years

2021-22	2020-21	2019-20	2018-19	2017-18
178	182	241	244	246
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

##### Number of departments offering academic programmes

**Response: 59**

### 2 Students

#### 2.1

##### Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
9805	10592	11076	10541	10199
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

##### Number of outgoing / final year students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3345	3186	2836	2787	2750
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.3****Number of students appeared in the University examination year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
9708	10338	10058	9823	10005
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.4****Number of revaluation applications year-wise during the last 5 years**

2021-22	2020-21	2019-20	2018-19	2017-18
49	105	94	104	45

**3 Teachers****3.1****Number of courses in all programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3572	3529	3718	3722	3684
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.2****Number of full time teachers year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
538	538	538	538	538
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.3**

**Number of sanctioned posts year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
750	750	750	750	750
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**4 Institution****4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2778840	2795522	3552235	3189391	3359368
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**4.2****Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2047	1918	2665	2388	2768
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**4.3****Total number of classrooms and seminar halls****Response: 428****4.4****Total number of computers in the campus for academic purpose****Response: 2704**

**4.5****Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
5470.71	7304.88	5286.38	3030.84	4315.33

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

**1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.**

**Response:**

Andhra University strives constantly to sustain and enhance its quality in teaching, research, extension and outreach activities. The University has been offering 178 programmes through 58 academic departments at UG, PG, and Ph.D level apart from School of Distance Education programs. This conglomeration caters to the specific needs of the country. AU has modified courses of all programs as per NEP 2020 focusing on Interdisciplinary and multidisciplinary areas with internal and external electives along with MOOCs courses through Swayam and NPTEL have been a part of several programs during the assessment period. Keeping UGC guidelines in mind, curricula are designed by framing:

Programme outcomes (POs)

Programme specific outcomes (PSOs)

Course outcomes (COs)

The POs and PSOs remain the guiding principles in curriculum design and with these in mind the COs and academic layering leads to the development of curriculum in tune with industry requirements and social limitations. ( <https://www.andhrauniversity.edu.in/course-syllabus.html> )

Applied programs like Applied Mathematics, Statistic, Microbiology, Biotechnology, Bio-Chemistry, Human Genetics focus upon employability, skill development and entrepreneurship. Professional programs in Special Education, Journalism, Engineering, Business Management, Pharmacy and Law focuses upon professional requirements of corporates, NGOs and industries.

During the current assessment period the University has introduced new programs that have significant impact on the latest technological, health, hygiene, environmental and other societal issues such as Environmental Engineering, Information technology, International Business and Food Technology(from 2022-2023) with Multi Entry , Multi Exit Options.

As a whole, the university revises the curriculum at regular intervals. While developing a specific program, the local demands of the region are taken care of. While framing the objectives of the courses, the needs of various disciplines at national and global level are taken into consideration. The significant stakeholders become a part of the concerned boards. By adopting the Choice Based Credit system, Outcome Based Education and NEP 2020, all the programs possess well-defined Program Outcomes, Program Specific Outcomes, and Course Outcomes.. The main function of the BoS is to examine the needs of the stakeholders and to induct the same in the syllabi of the respective program and to thereby enhance the academic contribution to the society. There are programs relevant to the local needs being offered by the department of Sociology, Telugu, Music & Dance, Psychology, Pharmacy, Politics & Public administration etc,. Many of the engineering programs are designed to cater requirements of the local & global industrial and entrepreneurial requirements. Few centers of excellence like, Centre for Nano Technology, American Corner, Japanese Corner, Centre for Bay of Bengal have become major research

partners for national research labs. The University offers a wide range of programs for defense personnel serving Army, Navy and Air Force.

The curriculum are designed in such a way that the student gets professional proficiency in the subject through the teaching and training. Basic and advanced skills training in labs, industrial visits, fieldwork, and student exchange programs, are some of the initiatives taken for making the student professionally competent.

The curriculum is designed by integrating teaching – learning through the usage of computers and ICTs. Value-added component of ICT is included for equipping the student to compete at global level. IPR Chair from GoI, and Chair Professors endowed through Industries act as bridge between University-Industry Connect there by the students are well prepared for employability in the market.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 94

#### 1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 235

#### 1.1.2.2 Number of all Programmes offered by the institution during the last five years.

Response: 250

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years



**Response: 91.04**

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3380	3332	3321	3304	3245

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.**

**Response: 47.04**

**1.2.1.1 How many new courses were introduced within the last five years.**

Response: 1751

**1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.**

Response: 3722

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course**

system has been implemented (Data for the latest completed academic year).

**Response:** 99.44

#### 1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 177

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

**Response:**

Realizing the importance of certain cross-cutting issues such as gender, environment and sustainability, human values and professional ethics, Andhra University gives special emphasis to these issues in the various courses that are offered across academic departments. This is evident by the following:

- 1.The University has a mandate of granting Bachelor's degree to any student, if and only if the student clears a course in "Environmental Science which essentially ensures that the student has gone through issues of environment conservation, sustainability and human values associated with Indian culture.
- 2.The University has introduced a new B.Tech program in Environmental Engg, besides offering M.Sc course in Env Science through Environmental Science department. The students are nationally and internationally placed.
3. The University has established Dr DurgaBhai Deshmuk Centre for Women's Studies with an objective to educate the peers of the university and the region of the state in the dimension of gender equality.
4. University has setup a special "Center for environment sustainable development and climate change", and this cell offers consultancy and generates policy documents.
5. Professional Ethics and Universal Human Values course has been introduced in all UG programs of engineering. The Research Methodology course contains one unit out of five contains on ethics and values. Journalism department teaches a subject on Media Ethics.
6. Human values and Professional ethics find an important place into the curriculum. Law, Journalism, Philosophy and Psychology departments have special deliberations on issues of Gender and Ethics.
7. Department of Economics, Education, Social Work and Sociology have incorporated papers on Gender in their course curriculum.
8. A course on "Green Chemistry" is introduced in UG engineering programs which enables the student to get first-hand knowledge on the sustainable goals of an environment as per the directives laid down by NEP 2020.

( [https://andhrauniversity.edu.in/naac/criteria1/1.3/1.3.1\\_1682690100\\_5807.pdf](https://andhrauniversity.edu.in/naac/criteria1/1.3/1.3.1_1682690100_5807.pdf) )

In line with the sustainable developmental goals, the university has switched from conventional energy consumption mode to renewable energy utilization mode by establishing a 1.134 kW solar power project on the unused rooftops of the university buildings. This has not only brought down the stress on the conventional power lines but also created 35% saving in the energy bills of the university. This has created a closed loop of saving by utilizing the saved money for other works of the power department. The constructions of water harvesting pits in the campus help to divert rain water to under-ground result in increased the ground water table.

The vision and mission of the university is also inclined towards human values, social commitment and ethics, and these elements are inculcated in the value system of the university community.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

**Response:** 262

#### 1.3.2.1 How many new value-added courses are added within the last five years.

**Response:** 262

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

**Response:** 30.3

#### 1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
4639	2509	3466	2604	2498

**1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).****Response:** 39.79**1.3.4.1 Number of students undertaking field projects or research projects or internships.****Response:** 3901

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**1.4 Feedback System****1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni****Response:** A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

**1.4.2 Feedback processes of the institution may be classified as follows:****Response:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>



## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 692

##### 2.1.1.1 Number of seats available year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
3961	3897	5220	4726	4899

File Description	Document
Demand Ratio (Average of Last five years) based on Data Template upload the document	<a href="#">View Document</a>
• Any additional information	<a href="#">View Document</a>

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

**Response:** 90.09

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1824	1767	2442	2161	2410

File Description	Document
Average percentage of seats filled against seats reserved (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.2 Catering to Student Diversity

#### 2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

**Response:**

Andhra University admits students through a state level structured admission process into its various courses of the University through a Policy. Students thus admitted shall commence their entry with an Induction Program organized at the college level and the Heads of the respective departments, wherein the newly admitted students along with their parents/guardians participate to get familiarized with the University. As several students are admitted every year with different backgrounds, special classes are arranged to improve their communication skills, basic knowledge in computers.

The University as a system has a clear realization that students would have different learning abilities and is sensitive to the need to address this situation at different levels. The department identifies slow and advanced learners based on the performance of the students in formative and summative assessment at the end of the first semester by their respective teachers.

The Head of the Department maintains the list of the candidates under the two categories. The advanced learners are encouraged to attend workshops, interface with specialists in the field, while the slow learners are provided support and remedial teaching by JRFs/ research scholars. The progress of these two categories of the students is monitored semester-wise. Handouts are given to slow learners and their performance is checked regularly. Informal interaction of the students with the faculty beyond regular class hours is very much in practice for the development of the students in all aspects. Counseling System through mentor mentee system is also active. The faculty members/mentors concerned interact with the advanced learners to identify their competencies and special interest to develop plans for their involvement and participation in various challenging programmes. The Learning groups are formed with advanced learners as team leaders to complete projects works. The advanced learners are encouraged to acquire advanced skills in the subject through various online platforms and completion of additional MOOCs Courses. Sincere efforts will be made for the average learners to become advanced learners by participating in student project competition, quiz programs along with the advanced learners. Some of the the special programmes organized at the department level to address the differential requirements of the students are as follows:

- Participation in research projects
- Special assignments
- Involving in the consultancy projects
- Assigning responsibilities of organization of student managed events
- Student mentoring
- Stress and psychological counseling
- On-line learning support - NPTEL/SWAYAM MOOC courses
- Remedial classes
- Personality development programmes
- Pre-placement training
- Placement support
- Programmes on communication skills
- Participation in Conferences, workshops, Seminars, Symposiums, Hackthons and presenting articles and display models
- Career Guidance & Higher studies (CSIR, NET, GATE, CAT, GMAT, GRE, IELTS etc.)
- Honors/Majors and Minors
- Toppers List and Giving Monetary benefit
- Student Achievements accomplished with Awards, Prizes & Merit Scholarships

- Chance to participate Curricular, Co-curricular, Extra-curricular Activities etc.

The students are also encouraged and trained to write competitive examinations conducted by both state and central governments such as GATE/NET for admission into higher courses leading to PG/PhD.

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)

**Response:** 18:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

**Response:**

The entire teaching-learning system of Andhra University is student-centric. The teaching methods include lectures, interactive sessions, problem-based learning through case resolution, lab demonstrations, field visits, project-based learning, evidence based and clinical presentations.

In addition the outreach activities like special camps under NSS, and Outdoor activities community welfare, blood donation camps would provide unique opportunities to the students for group living, collective experience and constant experience with the community.

**Experiential Learning:** The faculties of Science, Engg, Technology, predominantly involve students in lab practical's, as an experiential learning. The courses like Botany, Zoology, Geology, Geophysics, Social work, Sociology, Bio-Technology, Microbiology, Marine Living Resources, etc., utilizes field visits to have exposure to realistic domains. The Department of Chemistry, College of Pharmaceutical Sciences involves their students in practical assignments with industry.

The faculties of Arts involve the students in field surveys, study tours, etc. The students of Commerce and Management, Journalism and Mass Communication and Human Resource and Management will gain hands-on experience during internship. The departments such as Education, Library Science, Social Work, Sociology and Economics arrange activities with students for experimental learning through project works.



**Participatory learning:** The students take the lead for conducting various activities in the departments, which gives them experience in organization, and helps develop leadership skills. They take active part in organizing various activities like seminars, moot courts, exhibitions, cultural programs. The College of Law conducts Moot Courts regularly.

**Problem solving methodologies:** The Departments follow problem-solving methodologies by challenging students with assignments on a regular basis to check their level of understanding on the subject. Dissertation work is made mandatory for one full semester in all professional courses in final semester, and it provides a great learning experience.

**Self-directed learning:** Students are provided with e-learning resources to have 24/7 access. The Skill development programs and the use of ICT in teaching-learning further strengthened the concept of participative learning. Students are provided with ample opportunities to ventilate their ideas and to carry out experiments of their own. The focus of the teaching-learning process is to develop skills and competencies among the students and to make them self-independent.

The Departments adopt the mentor-mentee system to cater to the implicit needs of the students, to provide individualized attention and assist students on all fronts. Value-added courses research methodology and intellectual property rights are made mandatory for all students.

Most of the departments have student clubs for organizing numerous curricular, co-curricular and extracurricular activities in addition to the extension activities. Various forums like career counselling cell, Placement Cell and Science associations, literary associations would help the students to gain critical thinking and practical knowledge.

Invited lectures by the experts and industry professionals, open Ph.D. viva-voce, symposia, workshops and seminars on the issues of contemporary relevance are routinely held to augment students' knowledge and keep them aware about global academic and research advancement.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

#### Response:

The individual departments of the University have ICT enabled classrooms. Majority of them have smart classrooms. The ICT enabled teaching includes, LCD/LED projectors, interactive digital projection board, e-learning resources as well as Wi-Fi access to institutional intranet and the vast Dr.V.S. Krishan Library and INFLIBNET resources that come with them. The university also has the virtual a classroom facility that enables specialists of the field to lecture from a remote location in India or abroad.

The departments use massive online open courses (MOOCs) developed by the MHRD, New Delhi through NPTEL and Swayam.gov.in portals. Teachers encourage students to use the MIT open courseware, IGNOU e-content, APSCHE LMS, Infilbnet and other similar platforms to access additional resources along with the suggested text books and reference materials.

The University has taken Google Work Space License for Education, Teaching and Learning and is made available for all the classes and teachers of the University. Andhra University domain (andhrauniversity.edu.in) ids are created for both students and teachers. The daily students and faculty attendance is made mandatory through facial recognition app. University also conducts MOOCs courses in its LMS platform in collaboration with Talent Edge. A media centre is established in the campus with facilities on E-Content Development, Dolby Studio for audio and video mixing.

Andhra University in coordination with APSCHE (State Council of Higher Education) has also facilitated the students and staff to enroll for MICROSOFT UPSKILLING Programmes. These programmes are as a part of value added and skill enhancement programmes. Several faculty of AU have conducted National and International Conferences online as part of blended learning (Integrating online and Offline Teaching) is implemented for all programs. Minimum two MOOCs courses are made mandatory for all programmes offered on campus. The library is having e-resources such as subscription to e-journals and e-books. The library is having a separate reading center with 80 computers for exclusive e-Learning. The Library is fully automated using soul 3.0 software for issue and return of books. The library is computerized so that the students can access the E-Learning resources with 24/7 WIFI facility where ever he is in the campus. The ancient Palm Leaves are digitalized and placed in university website the students, faculty and scholars can access them online.

During the submission of Project work, students learn to use Plagiarism tools like TURNITIN. Plagiarism testing is made available for scholars and faculty to verify similarity content in thesis and research papers. Centralized computer facilities are available in the campus. The university conducts periodic programmes on use of ICT for students and faculty to update their knowledge towards ICT utilization for teaching and learning.

The university has a computer centre namely AUCC with a director and staff to monitor and maintain the ICT facilities in the campus.

Periodic Online interactive programs with experts are conducted to faculty and students. During the covid period university have conducted all classes through online the conferences and workshops in the campus and post covid19 they being conducted in blended mode in the campus. Additionally, Student Centric Pedagogic Methods provide an inventory of learning methods to the students /scholars, such as flipped learning/ ICT enriched learning/ on-line learning/ blended learning/ virtual learning which are practiced in right earnest on campus to impart quality learning.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

**2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )****Response:** 19:1**2.3.3.1 Number of mentors ?????????????? ???????****Response:** 518

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

**2.4 Teacher Profile and Quality****2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 71.73

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years****Response:** 87.4**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
452	461	467	478	493

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

**Response:** 12.33

##### 2.4.3.1 Total experience of full-time teachers

Response: 6632

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

**Response:** 12.45

##### 2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
16	12	17	11	11

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Average number of days from the date of last semester-end/ year- end examination till the

**declaration of results year-wise during the last five years****Response:** 14.12**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
13.33	15.78	11.66	14.94	14.88

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years****Response:** 0.79**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
49	105	94	104	45

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution****Response:**

The university has been continuously carrying out reforms in its examination procedure through integration of IT in all the procedures and processes of the examination system and adopting semester patterns of examination with continuous evaluation system for all the departments. Panel of examiners for every

subject is compiled prior to the examination on collecting the information from the departments, considering eligibility norms of the University.

Andhra University has a computerized examination management system and students have to enroll through online by filling a form with departmental login and password paying the through online. The hall tickets are generated automatically. Personalized empty answer scripts are generated for examination with barcode/OMR for each student. The attendance of the students is entered in the through online. Post conduct of examination the bundles of the answer scripts are sent to the controller of examinations where the OMR data of each answer script is scanned and stored in databases. The personalized information of the student is teared from the answer script, the bundles of the answer scripts are randomized and sent for evaluation by the subject experts. The subject experts give the marks on OMR sheet and return them back to CEMS for processing, and the OMR data is scanned automatically and results are processed by software. Once the results are processed the reports are generated automatically. The heads of the departments will enter the midterm examination marks, project work evaluation, practical examination marks and viva voiceexamination marks through online. Once the results are approved by concerned authorities of the University and they are notified and hosted in website of Andhra University.

Students can download web marks statements and get security coded mark memos from concerned section. Students are given an opportunity to apply for revaluation. The photocopy of the answered booklet can also be sought for verification by student. They are also given opportunity of challenge evaluation if they not satisfied with the valuation result. It is made mandatory that all exam results must be published with in 25 days of the last day of examination.

The setting of question papers for the internal examinations is carried out by faculty members and the setting of question papers for end-semester examinations is carried out by qualified experts from other institutions. The Degree/certificates are printed with security features like watermark, students photo, etc., to prevent manipulations.

There is an online and offline examination redressal system where dean of examination is responsible in solving the grievances within a specific period of time. The students have to study 2 MOOCS courses in their program by choosing online platforms and credits obtained through online examination will be added for their calculation of CGPA. The mandatory value-added courses namely intellectual property rights and research methodology are conducted online and e-certificates are distributed.

Continuous internal assessment and End-semester examinations have brought considerable improvement in the examination Management system of the Institution.

The Ph.D. evaluation is done by three external examiners including one from foreign universities. Plagiarism check for thesis submission is made mandatory. Andhra University is a member in academic bank of credits and the students are encouraged to have their lockers and store their course credits.

File Description	Document
Year wise number of applications, students and revaluation cases	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 2.5.4 Status of automation of Examination division along with approved Examination Manual

**Response:** 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents**

**Response:**

All the courses of the University have well defined learning outcomes. Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course Outcomes (CO) for all programmes offered by the University are stated and displayed on university websites and communicated to teachers and students. The stated learning outcomes reflect the required skills and abilities that the students must develop with the pursuance of the selected course along with disciplinary and inter-disciplinary knowledge.

The teaching-learning strategies for each subject is prepared, discussed, and approved by each department before commencement of the academic year. The Internal Quality Assurance cell conducted workshops on Outcome based Education, Blooms revised Taxonomy, Mapping of CO with PO and PSO by inviting experts from Industry, as well as from other universities.

Classroom teaching specifically focuses on the Learning outcomes of the Programs and Courses. The revised Blooms Taxonomy is utilized in outlining knowledge skills and creative competency. The programme structure consists of core courses, discipline specific electives, skill enhancement courses and

generic courses. Core Courses are oriented towards in depth and comprehensive knowledge of the domain. Discipline Specific Elective Courses engage with disciplinary boundaries while focusing on emerging areas of research and changing academic paradigms through an interdisciplinary lens. Skill Enhancement Courses equip students for entrepreneurial orientation. Heads of the concerned Department ensure that the teaching and learning outcomes are achieved through close monitoring of the performance of the students through class work, internal assessment and formative and summative assessments.

The NEP framework has been introduced for all other programmes in the University from 2021-22 onwards. Andhra University believes that the students are its 'Brand Ambassadors' and expects that the students share the common values articulated in the objective statements. The overwhelming response of the students during "Achievers Day and Parents Felicitation by students" and on other occasions reiterates the Graduate attributes and their compliance.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

#### Response:

The targets set for the attainment of POs, PSOs and COs are discussed in the HODs meeting which also discusses various steps to take to increase the target level for the attainment of stated POs, PSOs and CO's. The Head of the Department and faculty members periodically reviews program specific outcomes and course outcomes through interaction with students concerned. This is followed by a discussion with the teachers at the Departmental Committee meeting and finally in the meetings of the Board of Study (BoS) in a specific subject/department. Due to limited time of study in the semester-based education it is very difficult to achieve all outcomes / targets at the same time. Hence the university uses some direct and indirect measurement tools to assess the extent to which course outcomes have been attained.

Direct method indicates attainment by learning and course outcomes contributing to respective program specific outcomes and program outcomes. Indirect method is the satisfaction and also feed-back from all stakeholders. Every student physical presence and also their performance in internal evaluation and their performance in the term-end external exam are noted by using direct method of assessment. On the basis of marks obtained in these tests the concerned department finds the attainment level of each student. The University also uses various other attainment test methodologies such as:

Assignments Small projects/ Seminars / journal club presentations / Class tests/ Lab Knowledge/ media productions / Internships / project works.

Indirect assessment methods are implemented through course exit surveys, feedback survey, alumni



Survey etc. The various cognitive levels and skills suggested in the course outcomes are mapped to specific assessment methods. The faculty members play key role by interacting with the student to discuss the variations or deviations in performance. Reasons for non-attainment of course outcome are analyzed and an action plan is also prepared.

The individual questions in internal and external exam question paper, assessment taxonomy and scheme of valuation is prepared in such a way that each question is mapped to specific Course Outcomes (COs), along with levels based on Revised Bloom's taxonomy levels and then attainment of course outcomes is calculated based on the student's performance in each assessment. Attainments are computed and analyzed as per the guidelines of the university through performance in examinations and continuous assessment.

The PEOs, POs and PSOs are published and disseminated via various social media/webpage to all the internal and external stakeholders. The Course Outcome Attainment Gap is found by comparing the Course Outcome Attainment and Target Course Outcome. Based on the result, follow up programmes are planned and executed. With the help of CO against PO/PSO mapping, the PO/PSO attainment is also calculated by the Head of the department.

The strengths and shortcomings of the Teaching and learning process are assessed at the end of each year and the required changes are made in the Teaching -Learning Process.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.3 Pass Percentage of students(Data for the latest completed academic year)

**Response:** 90.58

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 3030

2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 3345

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>
Link fo any additional information	<a href="#">View Document</a>

## **2.7 Student Satisfaction Survey**

### **2.7.1 Online student satisfaction survey regarding teaching learning process**

**Response:**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

**3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented**

**Response:**

Initiatives are taken by Andhra University to support and promote research of multidisciplinary nature through updation of research facilities, and adopting an inclusive and collaborative approach. The research quality and quantity are promoted through capacity generation for advanced research with re-equipping the labs and simultaneously building competency among faculty and research students.

Andhra University has a well-established research promotion policy which is available in the Andhra University Website [https://www.andhrauniversity.edu.in/img/policies/AU\\_RESEARCH\\_PROMOTION\\_POLICY.pdf](https://www.andhrauniversity.edu.in/img/policies/AU_RESEARCH_PROMOTION_POLICY.pdf). The research is continuously monitored by monitoring committees namely, Board of Research studies at the university level, College research committee at the college level (each college consisting of cluster of departments) and Departmental research committee at department level. The University mobilizes funds for research and creating research infrastructure through various funding agencies. Seed money is created from university self-finance funds to encourage research among faculty. Post doctoral fellows are given all facilities for advanced research in their specialized areas. The University provides encouragement for faculty in research and appreciate their research achievements through felicitations and other incentives to them.

To encourage sustainable research environment in the University, awards have been initiated, to felicitate the researchers with awards and financial incentives. The university every year presents Sarvepalli Radhakrishnan Best Academician award and University Best Researcher award for outstanding faculty. The Research scholars were given best Ph.D thesis awards. The University provides financial assistance for organising and attending workshops, seminars, conferences and training programmes.

The University has inked several MoU's with national and international organizations for faculty exchange programmes and research collaborations. To strength the academic and research promotion a separate R&D office with a Dean is created along with AU Centre for Industrial and Scientific Consultancy. These two wings have periodic monitoring mechanism for effective functionality of MoU's. The University has established various research centres for multi-disciplinary and inter-disciplinary research. Some of them are

- Central Instrumentation facility an advanced Analytical Laboratory
- NMR Research Centre,
- AU-APSSDC-Siemens Centre of excellence,
- Avanti Skill Development Centre provides state of art infrastructure for advanced research in marine farming practices and testing.
- Bio Arbor, an advanced center for Medical genetics
- AU-ROSYS Drone Technology Lab
- Digital Photogrammetry Center
- IOT and Machine Intelligence IOT Center of Excellence

- Innovation eco system in multiple verticals.

The University has created Centre for intellectual property rights with a DPIIT-IPR Chair professor which is identified as nodal center for the state of AP and it provides all necessary facilities including financial support for patent application/publication/verification and commercialization besides conducting two credit IPR course.

The university has established links to Industry and obtained Industry sponsored Chairs to promote advanced research in collaboration with Government and public sector organizations. The University encourages promotion of research in affiliated colleges. The eligible guides from affiliated colleges are permitted to act as Guide/Co-Guide to the research students.

A transdisciplinary Research Hub is created to encourage research in transdisciplinary (<https://andhrauniversity.edu.in/academics/research-centres/au-trans-disciplinary-research-hub.html>). The University Authorities conducts periodic meeting with management of the affiliated colleges for promotion of research. The academic departments conduct series of summer schools, orientation programs, workshops, seminars, invited talks, training programs of national and international level for researchers to build capabilities and enhance research skills.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

### 3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

**Response:** 57.6

#### 3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
26	138	124	0	0

File Description	Document
Minutes of the relevant bodies of the University	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 11.45

#### 3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
38	33	78	66	93

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 1274

#### 3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
338	312	380	169	75

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

**Response:** A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link of videos and geotagged photographs	<a href="#">View Document</a>

### 3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

**Response:** 98.31

#### 3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

**Response:** 58

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

### 3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).

**Response:** 789.45

#### 3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
182.74	78.99	459.72	32	36

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

**Response:** 20196.34

#### 3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
5688.48	2073.15	6313.88	2146.64	3974.19

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.3 Number of research projects per teacher funded by government and non-government agencies

during the last five years

**Response:** 5.11

**3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.**

Response: 369

**3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 361

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

### 3.3 Innovation Ecosystem

**3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.**

**Response:**

Andhra University has an excellent eco system for innovations, incubation and transfer of knowledge. It has established an innovation incubation centre namely a-hub to nurture ideas from students research scholars, faculty and foster such innovations in a research environment. The incubation centre promotes the untapped creativity of the persons involved in the creation and assists them to become Sound entrepreneurs. Andhra University Incubation Center in a built-up space of 35,000 sq.ft. The comprehensive ecosystem that constitutes the following units::

- 1.NASSCOM Center of Excellence for AI & IoT in collaboration with Andhra University, GoI & GoAP.
- 2.Andhra University STPI Industry 4.0 & Next Gen Tech Center in collaboration with MeITY & STPI,
- 3.The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E)

The effort towards creating a comprehensive start-up and innovation ecosystem is paying dividends as Andhra University is quickly able to attract high performance growth stage startups to early stage startups with bright ideas, funding support, new innovations, new products research, patents, student internship, faculty development programs, industry use cases, revenue generation, etc. As a result of these incubation centers 102 **startups are functioning in different disciplines in the campus.** Incubation and startup policy is placed in University website



([https://andhrauniversity.edu.in/policies/Andhra%20University%20Innovation%20&%20Startup%20Policy%202022%20-%20Approved%20\(1\).pdf](https://andhrauniversity.edu.in/policies/Andhra%20University%20Innovation%20&%20Startup%20Policy%202022%20-%20Approved%20(1).pdf))

Andhra university has a vibrant IP ecosystem, The Department for Promotion of Industry and Internal Trade (DPIIT) Ministry of Commerce and Industry Govt. of India sanctioned the DPIIT-IPR Chair to Andhra University to position Andhra University as an innovation driven university in line with NEP-2020 under the Scheme for Pedagogy and Research in Intellectual Property Rights (IPRs). AU center for IPR is established and taking several initiatives to build a strong innovation, innovation and technology transfer in the University and in the State of Andhra Pradesh. University IP Policy was placed in the university website ( <https://www.andhrauniversity.edu.in/img/Final%20AU%20IP%20Policy.pdf> ). A two credit IPR course is made mandatory / value added course. 48 IPR, and incubation innovation awareness workshops/Lectures and 2 FDPs were organized.

The University has brought out a transformative policy to create an IP culture in the University. 84 patent were published/awarded during the assessment period.

One Patented technology on “Portable nano-biosensor for detection of type-2 diabetes” was transferred /licensed to a Vizag based Startup for commercialization. An IP Buddy, a 24x7 WhatsApp based online Platform was developed with industry partner to answer queries on IP to create IPR awareness. A.P Government designated AU Centre for IPR as State IPR Nodal agency. Andhra University encourages its faculty and Research scholars in filing, publication and verification for award of patent by providing support from DPIIT-IPR Chair and financial assistance from University funds.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

**Response:** 136

#### 3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
30	40	14	14	38

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

**Response:** 89

#### 3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
20	29	16	11	13

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response:** A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1. Commendation and monetary incentive at a University function 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the**

**Newsletter / website****Response:** A.. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.3 Number of Patents published / awarded during the last five years.****Response:** 84**3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
42	29	5	4	4

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Number of Ph.D's awarded per teacher during the last five years.****Response:** 5.62**3.4.4.1 How many Ph.D's are awarded within last five years.**

Response: 2126

**3.4.4.2 Number of teachers recognized as guides during the last five years**

Response: 378

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years****Response:** 8.05**3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
794	742	870	1090	833

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 1.54**3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
100	186	134	337	71

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.7 E-content is developed by teachers :**

- 1.For e-PG-Pathshala
- 2.For CEC (Under Graduate)
- 3.For SWAYAM
- 4.For other MOOCs platform
- 5.Any other Government Initiatives
- 6.For Institutional LMS

**Response:** A. Any 5 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>

### 3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

**Response:**

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

**Response:**

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.5 Consultancy

**3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.**

**Response:**

#### a) Centre for Industrial Scientific Consultancy at AUDC:

Andhra University has a structured policy on consultancy including revenue sharing between the Institution and the Individual. It has established a Centre for Industrial Scientific Consultancy (CISC) for promoting consultancy services. This Centre will act as liaison agency between industry and the academic departments and faculty members.

The objectives of the centre are:

- To strengthen interaction of the University with industrial and commercial establishments through sponsored research and consultancy
- To develop and promote training programmes to suit the requirements of trade and industry.
- To manage the infrastructure facilities of the university for better utilization and resource generation.
- To participate in the economic development of the region and the nation.
- To encourage faculty members to actively involve in consultancy and generate the funds for development of the university
- To establish Chairs in departments with support from industry
- To improve the student facilities such as Hostels, Library books
- To contribute to the corpus fund of the university

The revenue sharing between the university and the individual faculty is given in consultancy policy([https://www.andhrauniversity.edu.in/img/policies/AU\\_Consultancy\\_Policy.pdf](https://www.andhrauniversity.edu.in/img/policies/AU_Consultancy_Policy.pdf)).

The available expertise and available facilities to take up consultancy works in the departments and research centres are published in the University website. Periodic meeting with industry and academia are organized to find out the areas of consultancy projects and to work out the relationship details. The procedural processes are minimized and the consultancy services are declared as priority. The faculty members will be permitted to visit the industry and spend the required time to deliver the consultancy services qualitatively without prejudice to the regular teaching responsibilities.

The following is the list and areas of consultancy services

1. Monitoring of Ambient Air and Water Quality in and around Port Area
2. Marine Biological and Toxicological studies
3. Geotechnical Investigations and Groundwater Investigations
4. Structural design works
5. Ambient Air Quality Management studies
6. SPT Data Analysis and Recommendations for foundation designs
7. Statistical Investigation
8. Expert lectures in Pharmaceutical sciences
9. Socio-economic studies and management studies undertaken by the departments of Economics, Commerce & Management Studies and Social Sciences to various organizations.
10. Coal, cement analysis studies
11. Environmental Risk Assessment studies
12. Water harvesting and quality studies
13. Environmental studies
14. Consultancy services undertaken by the departments of Electronics & Communication Engineering, Marine Engineering and Mechanical Engineering to the Naval Science & Technological Laboratories (NSTL), Visakhapatnam in their respective areas.
15. Consultancy services undertaken by the departments of Metallurgical Engineering and Chemical Engineering to Vizag Steel Plant in their respective areas.
16. Analysis of plate load and pile load tests
17. Estimation of load capacities of Piles in Compression, Uplift and Lateral loading.

#### **b) Revenue generation:**

The revenue generated by AUDC through consultancy / project works during the last five years (2017-18 to 2021-22):

Year	Revenue Generated ( in Rs.)
2017-2018	94,62,633
2018-2019	1,02,80,824
2019-2020	74,42,764
2020-2021	81,78,149
2021-2022	82,86,105
<b>Grand Total :</b>	<b>4,36,50,475</b>

The details of revenue generated are posted at

<https://www.andhrauniversity.edu.in/administration-wing/dc.html>

In addition to this revenue generated consultancy works the faculty members undertake free consultancy in the Departments of Psychology and Para-psychology, Yoga and Consciousness, social work, and Law college etc.,

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

### 3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

**Response:** 436.51

#### 3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
82.86	81.78	74.43	102.81	94.63

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

##### Response:

Andhra University prides itself on its community connect. This university owes its origin to the largesse of the society. AU has established NSS and NCC wings, UBA and they have held sensitization programmes on issues like Village Development, Swachh Bharat, Voter Awareness, Awareness of fundamental rights and duties, Covid Vaccination. AU students regularly hold beach cleanliness drives, blood donation camp, creating awareness towards an open defecation free society, cashless transactions awareness campaigns, awareness rallies on women's rights, pulse polio immunization programs, tree plantation drives, and awareness on drug abuse.

##### Impact of Extension Activity

With such extension and outreach programs, Andhra University sensitizes its students to develop social values, widen their social responsibilities and knowledge towards community issues and challenges. Students are motivated to join NSS, NCC, *Unnat Bharat Abhiyan* (UBA) (<https://www.andhrauniversity.edu.in/central-facilities/udan.html>) and many other such social programmes.

Anti-Drug use campaigns and Nutrition focused events jointly organized in accordance with UNICEF have helped greatly in increasing a sense of Social responsibility in students (<https://www.andhrauniversity.edu.in/central-facilities/nss.html>). The Andhra University NSS Co-coordinators and students won medals and prizes at national level, state level, district level and university level.

Under the Unnat Bharat Abhiyan (UBA) program, students conducted household surveys in villages to identify various problems in rural India and to know whether various government schemes are reaching them effectively.

##### Social Sensitivity Survey

With the active involvement of many NGOs, the university strives to promote awareness on many burning issues that are present in current society, this includes HIV/AIDS, Health and Sanitation, Legal Literacy, Population Control, Women Empowerment and education. These awareness programmes help the students develop a multi-faceted understanding of need of the hour issues and are able to develop leadership skills, teamwork, and social consciousness which will help them become progressive and impactful leaders in



their respective careers. The university strives to instil a sense of responsibility within each of its students so as to positively impact the society we live in. All programmes that are conducted in accordance with the NSS and other bodies of the university are seen with care to be gender neutral and lacking any biases. Much care is taken care of maintaining standards in terms of gender parity, unbiasedness and Social equality. Journalism and Mass Communication department, holds pod casts, blogs, and makes films on social issues.

In addition to this the students and faculty of department of Meteorology and Oceanography monitor the blistering thunderstorm app for east coast of India. The centre of Bay of Bengal in collaboration with INCOIS developed an app for potential fishing zone which is very useful for fisherman community. All these myriad extension activities along with cultural, sports and Law College moot court competitions provide AU students the much needed developmental direction. All these activities are aimed at enhancing personality development, encouraging team building, instilling cultural and social awareness and sensitivity, nurturing intellectual, emotional and social quotient to become a proud human being and social contributor.

File Description	Document
Paste link for additional information	<a href="#">View Document</a>

### **3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years**

**Response: 22**

#### **3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
4	3	4	8	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

**Response: 239**

**3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
92	33	61	31	22

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years****Response:** 59.07**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
9560	4033	7929	4289	4845

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7 Collaboration****3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 468.4**3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
698	473	474	385	312

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>

**3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

**Response:** 103

**3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
33	16	17	27	10

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the MoUs with institution/ industry	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

Andhra University in its 98 years of existence over the years has not only built adequate infrastructure but also known for its effective utilization resources for the teaching and learning activities. The academic infrastructure consists of sufficient spacious classrooms, well-furnished, properly-ventilated, and equipped with required number of LCD Projectors and Smart Screens for conducting theory classes. As the demand for blended teaching mode has grown in the recent past, the Technology Enabled learning facility is being provided in the University. Most of the Classrooms are changed into Smart Class Rooms with ICT facilities to support Multimedia learning, Wi-Fi connectivity, and Hi-speed internet access. There are 76 Seminar Halls with state of art technologies, 262 ICT enabled classrooms out of a total 309 classrooms in all the constituent colleges of Andhra University Campus. Each Academic Department in the University has a separate seminar hall which is regularly used for various academic purposes.

University has a very well-maintained laboratories with state-of-the-art equipment and facilities established as per the regulatory bodies' prescribed norms. They have sufficient licensed software like MATLAB, ArcGIS, Tally, Python, LINUX, and open-source tools. Central laboratories like NMR and the Advanced Analytical Laboratory, PSN Raju Computer Laboratory are very helpful for students and research scholars to gain hands on experience in their respective domains.

Internet facility is available in every corner of the campus 24X7 with a bandwidth of 2-GBPS, including laboratories, classrooms, library, and offices of all departments and the entire student and research scholar hostels. The university has advanced computers like HPC, High-end Servers, and Cyber Laboratories, which help students with contemporary computing tasks.

Dr. V. S. Krishna Central Library is one of the biggest libraries in Southern India covering all major fields of Arts, Commerce, Law, Science, Management and Engineering domains. Around 98 years ago, the Palm Library Department was established with a collection of 2.5 Lakh palm-leaves.

Andhra University in the recent past has built the infrastructure by constructing eight new buildings, namely, the Examinations Annexure Building, IT block, Incubation Centre, and a new building for the Department of Civil Engineering in association with Andhra University and NASSCOM Centre of Excellence-IoT & AI and maintains the old and the new infrastructure on a regular basis. Apart from these, New Boy's Hostel Block was constructed under the RUSA initiative, Examination Block II & Computer Centre were also added. AU Incubation Centre was established to promote Entrepreneurship, Innovation, and Start-up culture among students and arranged nine webinars to benefit students and faculty interested in start-ups and Incubations. Several Hackathons and Pitching Competitions are conducted in the recent past to sensitize students on Start-up Culture. Studio for E-content Development, Lecture Capturing and other Audio-Video Equipment is also established to encourage students and faculty in the production of E-Content and support LMS.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### **4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)**

##### **Response:**

Andhra University has created adequate state-of-the-art infrastructure for organizing Sports and Cultural Programs. Facilities such as K.V. Gopala Swamy Open- Air-Theatre with a capacity to accommodate 1000 people has been fully renovated and remodeled. Sri Cattamanchi Ramalinga Reddy Utsavarangam which is air-conditioned with 3000 capacity is renovated. A modern multipurpose Convention hall is a newly constructed, state of the art structure with a seating capacity of 1800 with air conditioning, advanced acoustics and LED projectors housing many events of the university is developed at beach road.

Gowtham Buddha with 300 capacity in the AU Engg college campus is renovated and remodeled. T.L.N Sabah Hall with 250 seating capacity, YVS Murthy Alumni Built auditorium with 300 capacity, and a modern seminar hall with 200 capacity in AU pharmacy college are renovated where several cultural and personality development programs are organized. The illustrious departments such as: Music, Dance, Theatre, and Fine Arts regularly conduct several operas, vocals, and art exhibitions. Ultramodern ICT enabled conference hall with 200 seating capacity is getting ready at Algorithm, the digital zone in the college of engineering campus.

The university has excellent sports facilities such as cricket grounds, running tracks, gymnasias, an indoor stadium, volleyball and basketball courts. The tennis court on the south campus is of international standard, and many tournaments are organized at Andhra University. A high roof indoor stadium comprises four shuttle badminton courts and boxing rink is created. Gymnasium in both south and north campuses are equipped with multi-gym facilities like tread mills, exercise cycles, elliptical trainers and other fitness equipment along with separate gym at Ladies hostels.

Specifically, Golden Jubilee Ground, Silver Jubilee Grounds, UrJa Grounds, Polamamba grounds, Tennis Complex, Indoor gymnasium, weight-lifting facilities, AUCE Grounds, one bowling machine and weight training machinery are created. The Department of Physical Education has indoor and outdoor games facilities, and a big playground, including volleyball courts.

The AU Yoga and Conscious Centre is internationally recognized providing services like: Naturopathy, Obesity, and Diabetic-diet Plans. A meditation hall of 6700 sq.m has been built in the Department of Yoga and Consciousness. It facilitates students and faculty to maintain good mental and spiritual health. During the pandemic, the yoga center's contribution to the general public has offered yeoman services by conducting several awareness programs like Meditation and Surya Namaskars which have received tremendous response and appreciation. International Yoga Day is celebrated with a host of activities. The Yoga Department offers

· M.A/PhD in Yoga

- PG Diploma in Yoga Therapy (One year)
- Diploma In Yoga (6 Months)

University ensures adequate infrastructure for Yoga training. The AU Engineering, AU Law, and AU Pharmacy student councils continuously arrange sports and cultural programs, such as Cricket, Football, Volley-ball, Basket-ball, Kabbaddi, Badminton, Table Tennis, Boxing, Wrestling, Chess, Music, Songs, Dance (Classical and Modern), Flashmobs, Skits, Social Events, and awareness programs. Inspiring incentives, grace marks, special examinations, and sports quotas for admission, serve to promote art and sporting cultures at Andhra University.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Availability of general campus facilities and overall ambience

##### Response:

The university is very well-maintained and known as lush green campus spread over four hundred thirty-two acres of land. The University is well equipped with Horticulture facilities. Andhra University has convention center and several auditoriums for conducting various cultural, academic and social events. The campus is highly secure, safe, eco-friendly, and non-smoking zone under continuous CCTV surveillance. The overall ambience is picturesque and known as green campus for its vegetation. Special care is provided to the disabled people by providing ramps, stable platforms, and lifts. Two health care centers are equipped with appropriate equipment for university teaching and non-teaching staff, research scholars and students' health care.

The entire admission process is computerized through online counseling. The Andhra University Computer Center is providing campus-wide networking, I.T. service support, software development and providing unlimited campus connectivity to the every corner of the university. The Development and consultation Centre continuously widens its network with industries by offering consultancy and collaborative research, supports student training, internships, dissertation, summer project work, campus placement activities, lectures by experts, and MoUs. I.M.C. provides accountability, salary disbursement, income tax issues, information on C.P.F. & C.P.S., and annual accounts. The university engineer maintains a complete survey plan of the campus, buildings, waterworks, and drainage works. The UGC-Human Resource Development Center conducts several faculty induction programs, like orientation courses, refresher courses, inter-disciplinary refresher courses, and short-term courses. Each college has a placement and career guidance cell, N.S.S. and N.C.C for students to pursue their career goals. The music, dance, theatre arts, and fine arts departments are regularly conducting several operas, vocals, and exhibitions. The Department of Physical Education has indoor and outdoor games facilities, a gymnasium, and two big playgrounds, including volleyball courts.

The Sports Facility is spaced over 10 acres of land on the South campus, which facilitates Arts and Commerce, Science and Technology, Pharmacy and Law college students. The Sports Complex has a cricket ground, one weight-lifting training center and four sports complexes housing various sports and fitness facilities. The indoor stadium at the sports complex has two badminton indoor stadiums with 3 and 4 courts respectively, and one boxing ring with LED illumination. All fitness equipment is branded and technically sophisticated and helps the users develop overall body strength for basic and advanced sports purposes. An outdoor six volleyball courts and two basketball complexes are also in two different sports complexes. There are six tennis courts in one of the Tennis complexes, which is for students and two tennis courts, especially for the teaching faculty in the Faculty Club, to cater to the needs of the sport among the teachers. Another sports complex, which is housed in 30 acres of open space in which a cricket ground, football ground and Hockey grounds are available on North campus. The third sports complex also called the South Campus sports complex; has two synthetic volleyball courts and one synthetic basketball court with LED illumination. The university staff and students community extensively use all the sports and games (indoor & outdoor) facilities. Students' participation in games like football, cricket, athletics, volleyball, basketball, badminton etc. is very high and the University teams represent Inter-university tournaments and known for their achievements in securing medals in several competitions.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

**Response:** 52.08

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
1707.46	1291.84	1926.51	3493.72	2579.42

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

#### **4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility**

##### **Response:**

Dr. V.S. Krishna Library is Central Library known as one of the jewels in the Andhra University's Crown, having world class infrastructure and a highly conducive atmosphere for book reading. The Central Library possesses a rich collection of e-books, e-journals, and physical editions of books and journals. Currently the Central Library has , 5,36,635 books, 9500 journals, 62 foreign journals, 120 Indian journals, 8500 e-journals, 35 general magazines, 15 newspapers, and 90,000 back volumes with 880 CD-ROMs are accessible to teachers and students. Apart from Central Library every constituent college on campus has separate library facilities, for instance, the Engineering college Library has 64,407 volumes and 96 Desktop Systems, and the Law College library also has 16,500 volumes associated with the Central Library. The Central Library facility is utilized by 28,210 users on physical basis every month. The library's digitization facility is automated with Integrated Library Management System (ILMS) and SOUL software to utilize the library's journals. Required arrangements are provided for differently-abled and physically challenged people. A separate unit of books in Braille has been developed for visually challenged students. Reprographic facilities are provided. The National Library Week is held annually by the central library with a purpose to educate teaching and research scholars about J-gate, the digitization of doctoral theses, a program to raise awareness of Swayam Portal, Vidwan, Shodh Ganga, and Shodh Sindhu, as well as the National Digital Depositary.

Andhra University Library System is fully automated using SOUL Library Management Software developed by INFLIBNET. Software for University Library Management is compliant to international standards such as MARC 21 bibliographic format, Unicode based Universal Character Sets for multilingual bibliographic records and NCIP 2.0 and SIP 2 based protocols for electronic surveillance and control.

The Library is compliant to NCIP 2.0 protocol for RFID and other related applications especially for electronic surveillance and self-check-out & check-in. It supports data exchange through ISO-2709 standard and compliant to International Standards such as MARC21, AACR-2, MARCXML.

##### **Digitization:**

1. Thalapatras and Rare Collection: Dr.V.S.Krishna Library Andhra University has so far digitized over 2.58 lakhs thalapatras till date. As the quality check for this first phase of project is completed, the digitized thalapatras are hosted in the University web page under D Space, and made accessible to general public.

2. Digitization of Theses: Dr,V.S. Krishna Library is uploading digitised theses data on UGC INFLIBNET shodhganga e-Theses project, in this project AU digitized around 8978 theses on shodhganga platform and now AU is in the top 8th position,( Nationwide) . It is planning to enhance the E- content in the library in terms of E-Journals and ebooks. In this current year, it is proposed to procure an additional budget to subscribe e-learning resources with an additional budgetary allocation of Rs.50.00 lakhs, besides approved budget.

The V.S.Krishna Library , Andhra University has an internet browsing centre with 82 computer systems in which the students are given access to the e-books and e-learning resources. The center works 24X7 in



the academic departments and student hostels facilitating the students and teaching staff to access the e-books, e-journals and other references as and when required at their available time. The library is kept open for users everyday from 8.00 AM to 10.00 PM. and the reading room is open till 11.30 PM.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 249.68

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
139.24	173.01	278.90	339.11	318.12

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the latest completed academic year

**Response:** 77.66

**4.2.4.1 Number of teachers and students using library per day over last one year**

Response: 8032

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)**

Response: 82.24

**4.3.1.1 Number of classrooms and seminar halls with ICT facilities**

Response: 352

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility****Response:**

The A.U. Information Technology (I.T.) Policy and Procedure Manual provides the procedures and policies for selecting and using I.T. within the institution. It offers instructions on how Andhra University should carry out these regulations and the best approach to pursue all employees. The policy's objective is to ensure a minimum diversity of hardware within the institution. This policy establishes university-wide strategies and responsibilities for protecting the confidentiality, integrity, and availability of the information assets, which include data, computers, information systems, network devices, intellectual property, and other essential documents that are accessed, created, managed, and/or controlled by the university. The following equipment is available with AUCC in Andhra University campus associated. They are, L3 Switch, L2 Switch, Firewall, Wi-Fi LAN Controller, Cisco UCS, and EMC Storage. The university is utilizing the services of two internet service providers with 1Gbps each. It also takes care of the establishment of new network facilities/extension of the existing internet facilities. At present, WiFi network in the campus is provided with Ruckus, Cisco, TP Link, Ubiquiti make Wifi access points along with the network controllers of the respective makes, to manage the indoor and outdoor Wifi access

points provided in the entire university campus. The university is currently utilizing the OFC networks with single mode and multimode OFC of 19.5km and 27km respectively. The campus is provided with the CCTV surveillance system and provided with central control room to monitor the campus remotely. For the surveillance, the campus is utilizing the 25 no of Dome cameras, 194 nos of Bullet cameras and 8 PTZ cameras with 4 nos. of NVRs.

The University is provided with 4 dedicated servers to supports the IT services of the campus. Among the four, two are used for website and two are used for Examination automation and other applications. Typical specifications of the servers used for website are 4-Intel quad core processors with 3.2GHz, 16GB RAM, 100TB storage. The servers used for examination automation and other applications is 4 Intel quad core processors with 2.7GHz, 32GB RAM, 300TB storage. Andhra university is utilizing the efficient firewall system from Sophos which is built with SD WAN with deep packet inspection and TLS 1.3 decryption.

As the Govt. of Andhra Pradesh taken decision to implement e-Office mechanism in all the departments under its jurisdiction, the University has adopted e-Office System in all administrative departments of the university and gradually reducing the manual movement of files and increase the usage of e-Office.

With the deployment of IT tools, ERP has been established in student admission work, conduct of examinations, accounting & finance and general administration. The university is having 24X7 wi-fi facilities in all academic departments, offices and hostels. In order to manager the facilities efficiently the university has created a budgetary provision of Rs.70.20 Laks under various heads of AUCC in general revenue budget of the University.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.3 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 4:1

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.4 Available bandwidth of internet connection in the Institution (Leased line)

**Response:** A. ?1 GBPS

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

Other Upload Files	
1	<a href="#">View Document</a>

#### 4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Links of photographs	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

### 4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 43.23

#### 4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
2067.05	936.59	2534.26	2272.10	1841.08

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### **4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**

##### **Response:**

The University allocates an amount of Rs.2067 Lakhs towards the maintenance of infrastructure in the year 2021-22. The maintenance budget is carefully managed by avoiding unnecessary expenditure and wastage.

Each department will be allocated with a budget to maintain the available facilities through contingency. For purchasing the equipment and related items every department is required to procure through Central Purchasing committee. The head of the department is responsible to maintain the stock register, concerned invoices, and attend to audit work.

The University has a well-developed system for maintaining and utilizing physical, academic, and support facilities such as library resources, laboratory facilities; research centers facilities, sports facilities, computers, lecture halls, classrooms, hostels, guest houses, assembly halls, auditoriums, seminar halls, and parking lots. Maintenance Service Contracts are used to maintain high-end equipment such as computer systems, laser printers, scanners and air conditioners. Periodically, physical stock verification is performed at the facilities by internal auditors from the Internal Quality Assurance Cell.

The buildings, roads, electrical systems, solar panels, drinking water facilities, RO plants, rain water harvesting pits, pavements, landscaping, and parking lots are all well maintained by the Engineering Department of the University. Dean -Sanitary and Security with his team constantly monitors the hygiene and cleaning of classrooms and other university infrastructure. The Dean gardening is responsible for beautification and greenery development, as well as the maintenance of a green campus. The IQAC conducts green and energy audits every year.

The Standard Operating Procedures are used by the Central Purchasing Committee to manage the upkeep and repair works of computers, electronics, and lab equipment. To oversee the accepted practices for waste disposal, the RRR committee was established. The laboratories' gas pipelines are routinely checked and replaced as and when needed. Biological and culture wastes are decanted and disposed of in accordance with bio-safety norms and procedures. The Computer Center is responsible for maintenance of all ICT facilities such as campus Wi-Fi. Software and Anti-virus updates.

The Antivirus and a cyber-security Systems are used to protect library databases. Back volumes, important books, and journals are kept in bound volumes. Insect and rodent repellents and traps are also used to protect books and journals from insects and rodents. Periodical pest control will be done on racks and monitored by the office of the University Engineer. All the books purchased by the central library as well as department libraries are given accession numbers by the library staff. The Palm leaf collection and maintenance is done separately expert staff. His Excellency Hon'ble Governor of Andhra Pradesh recently

has inaugurated the palm leaf digitization. A well-defined procedure is established for digitization of theses copies and uploading them on to shodganga.

**Sports Facility:** The Physical Education department is maintaining running tracks, which are cleaned on a regular basis, and the surface is evenly maintained. Basic gymnasium equipment is cleaned regularly to minimize maintenance costs. The Treadmills and other weight training equipment are lubricated on a regular basis.

**Utilization procedure:** The effective use of physical, academic, and other supporting facilities is made possible by adhering to a proper schedule, which is prepared at the start of each semester based on the needs and requests of students and faculty. Individual log registers are used to track the use of laboratory equipment, while stock registers are kept to track the periodic use of chemicals and other consumables.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

**5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

**Response:** 62.85

**5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2021-22	2020-21	2019-20	2018-19	2017-18
6494	6668	7422	6333	5913

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.**

**Response:** 75.13

**5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
9482	7793	7307	7230	7220

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.2 Student Progression

**5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)**



**Response: 42.96**

**5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
83	119	132	68	42

**5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
252	261	202	210	109

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.2 Average percentage of placement of outgoing students during the last five years**

**Response: 75.97**

**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
2644	2454	2102	2087	2056

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.2.3 Percentage of student progression to higher education (previous graduating batch).

**Response:** 34.08

#### 5.2.3.1 Number of outgoing student progressing to higher education.

Response: 1140

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.**

**Response:** 194

**5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
24	53	66	9	42

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.2 Presence of Student Council and its activities for institutional development and student welfare.

#### Response:

Andhra University has four major active student councils namely AU UNITED CULTURAL, GITA (General Interest Topics Avenue), KALAW (Keen and Ambitious legalities for achieving wonders), Student Activity Council (SAC). These student councils represent various themes related to student community and were constituted by the class representatives. AU United Cultural has been continuously conducting debates, elocutions, essay writing competitions, micro tales, fests, flash mobs, music-dance workshops, technical and cultural events, activities concerning tech innovations, patriotic events, hackathons, Google DSC coding, International Day of Yoga, NSS day, Rashtriya Ekta Divas, Swachh Bharat mission awareness programs. The student councils are much more focusing on cyber security through creating social awareness and social responsibility which will help the student's personality development. The student councils were actively involving themselves in post disaster relief camps after the cyclone devastation and flood prone zones.

<https://www.andhrauniversity.edu.in/naac/criteria5/AU-Unitedclub.pdf>

KALAW, @ Dr. B.R. Ambedkhar College of Law, AU is one of the most popular student council in Andhra University. Student's Chronicle, a periodical Magazine contains interviews and works of great legal luminaries and council activities. Council conducted several programs like food without fire, art and craft exhibition, Decathlon game, human library. KALAW has been organizing model constituent assembly and Youth parliaments every year with role play of members of the parliament discussing the issues and introducing bills on required enactments. Later the council started a YouTube channel to provide solutions for legal queries, career-oriented and subject oriented lectures.

<https://www.andhrauniversity.edu.in/naac/criteria5/KALAW.pdf>

GITA, is the prominent student Council in AU College of Engineering; an online platform for the enrichment of technical knowledge of the students. GITA since its inception has been organising tech talks on career avenues, opportunities, skill development, hands on training, awareness of the recent trends and soft skills. They have organized several online workshops on different aspects like entrepreneurship and space, forging powerful relationships in the world, pursuing your entrepreneurial dreams. It organised tech talks on Micro Electronics -Technology Advances, role of youth in making Aatma Nirbhar Bharat, E-content creation, Role of science and technology in National building, Youth engagement for disaster risk reduction and health through breath. The council has also organised international webinar on herbal remedies for chronic disorders, space technology development and application in our daily life, defence communication systems, global trends of digital transformation in financial services, blood donation camp

swachata-hi-seva.

<https://www.andhrauniversity.edu.in/naac/criteria5/GITA.pdf>

Student Activity Council (SAC)@ AU College of Pharmaceutical Sciences is a pivotal platform to promote research and to provide guidance, mentoring the students. AUSHADHI and Yuva Prabha are the active periodical Magazines publish high innovative work composed by the students. SAC also nurtures the Career Guidance and Training towards GPAT Competitive Examinations, honing of technical skills of students through different soft wares like CANVA.

Andhra University student councils play a vibrant medium that emphasizes strengthening their leadership qualities, co-circular activities. The councils are much associated with anti-ragging committees, internal student complaints, encouraging active interaction with university administration to cope up with student grievances. It further facilitates the holistic environment in the university and it acts as a bridge between university authorities and student community.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

**Response:** 48.8

#### 5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
69	01	73	54	47

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

#### Response:

ANDHRA UNIVERSITY ALUMNI ASSOCIATION (AAA: Regd. Society No. 1198/2005), accelerated its activities ever since Dr. G. M. Rao of GMR group, an illustrious alumnus of Andhra University and a renowned industrialist took over its reins as its Chairman in 2015. AAA is a platform providing primary interface between the university and its alumni. In addition to that, there are numerous registered Alumni associations in individual departments. Among the different activities of AAA are registering the graduating students to the alumni data base, facilitating student mentoring, research and consultancy and also building long lasting relationship between the University and its alumni. The members of AAA share their knowledge and experience to the University. The vibrant and interactive website of AAA i.e., [www.andhrauniversityalumni.com](http://www.andhrauniversityalumni.com) is a platform, endowed with unique salient features, enables the alumni of AU around the world to interact with one another in multiple dimensions and also makes both job givers and job seekers meet virtually to fulfill the mutual needs.

The alumni of the Andhra University occupy coveted positions in the state and central government, industry, academics and other services. Prominent among them are Vice-president of India, Speaker of Lok Sabha, Ministers in the Central and State Government, Judges in Supreme Court, Chief Justices, Judges of High Courts, directors of various public/private sector organizations, scientists, Chairman and Vice-Chairman of UGC, Poets, Environmentalists, Music Directors, Singers and Dancers, CEO's of IT companies, Civil Servants, Chancellors and Vice-Chancellors of various reputed Universities in India and abroad. Thousands of AU alumni are holding top ranking positions. Many alumni became entrepreneurs, CMDs and CEOs of MNCs and TNCs across the globe.

Andhra University Alumni Association organizes grand Annual Alumni Meet, christened as WAVES, which is held every year in the month of December providing a platform for the alumni to share their experiences, expertise and ideas and for upgrading multi-disciplinary collaboration with various successful institutions across the globe with the help and contribution of its alumni. Eminent personalities and stalwarts have been visiting the esteemed University to attend this annual event. So far seven such grand annual alumni meets were organized under the auspices of AU Alumni Association since 2016. The Chief Guest/Guests of Honor of the successive events from 2017 to 2023 are Shri M. Venkaiah Naidu, the then Union Minister for Urban Development, GoI and later became Vice President of India, Padma Vibhushan Sri Ratan N. Tata, Chairman, Tata Trusts, Sri Jagan Mohan Reddy, the Chief Minister of AP and Sri C.P. Gurnani, CEO of Tech Mahindra (12th Dec 2019) Sri Prakash Javadekar, the then Union Minister for Environment, Forest and Climate Change and Minister for Heavy Industries and Public Enterprises, Govt. of India (10th December 2020 - virtual mode), Shri Rajeev Chandrasekhar, Minister of State for Skill Development and Entrepreneurship and Electronics & Information Technology, Govt of India, Dr. DVSS Somayajulu, Judge, the High Court of Judicature at Hyderabad, Dr. N. Vinay Kumar, Director, CCMB (14th Dec 2021) and Padma Vibhushan Sri N.R. Narayana Murthy, Founder, Infosys Limited (16th Dec 2022).

The University alumni contributed 1.33 crores towards Water tanks, Renovation of Lecture Halls & class rooms, Library, Research lab etc. The Alumni of the university have been extending support by way of building a latest hostel in Engg College and delivering Guest Lectures for Students towards their Career

Growth and Professional Skills.		
<b>File Description</b>	<b>Document</b>	
Any additional information	<a href="#">View Document</a>	
Link for additional information	<a href="#">View Document</a>	

<b>5.4.2 Alumni contribution during the last five years (INR in Lakhs)</b>		
<b>Response:</b> A. ? 100 Lakhs		
<b>File Description</b>	<b>Document</b>	
Any additional information	<a href="#">View Document</a>	
Link for any additional information	<a href="#">View Document</a>	

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.**

**Response:**

The governance of the institution has a clearly stated vision and Mission which is reflected in its academic and administrative governance. The vision and mission of the University are to sustain and enhance the University's excellence as an institution of higher learning through outstanding teaching and research so as to produce well- rounded graduates with lifelong abilities to provide leadership within the societies they serve. Certain core-integrated values like accessibility, equity, equality, efficiency, transparency, and accountability are reflected in the academic and administrative governance of the University. The University governance is decentralized, empowering, responsible, and responsive.

**Vision:**

Create New Frontiers of Knowledge in Quest for Development of the Humane and Just Society.

**Mission:**

§ To Stimulate the academic for promotion of quality of teaching, learning and research.

§ To undertake quality related research studies, consultancy and training programmes.

§ To foster global competencies among students and to inculcate value system in them.

§ To promote the use of State-of-the-Art Technology and Quest for Excellence.

**Core Values:**

*"ThejasvinaaVadhitamastu "* which translates to May the Divine Light Illuminate Our Studies". Our core values seek innovation and multidisciplinary, integrating science, engg with humanistic studies and social inquiry, with ever changing digital world.

AU is governed by its act, statutes, regulations and rules enacted by State University act of the Andhra Pradesh. The Vice-Chancellor along with the Executive Council, Standing Committee on Academic Affairs (SCAA) and Finance Committee together contribute to the development and improvement of decentralized management system.

The governance of the institution is motivated by well formulated academic, research and administrative policies including consultancy and outreach. The quality and excellence in teaching, research and outreach activities is aimed at empowerment of youth and strengthening their role in the society. Democratic and transparent administrative and academic governance is visible in the e-governance, faculty performance appraisal system, effective student evaluation, demand driven research, regular audits and participative

management system. Internal Quality Assurance Cell (IQAC), Board of Studies (BOS), Board of Research Studies (BORS) and SCAA are governed by Vice - Chancellor to ensure transparent and effective academic activities.

The BOS and SCAA design and approve curricula as per the needs of the industry and society. The Rector, Registrar, Controller of Examinations, Directors, Deans, Principal and Heads of the departments and various Committees actively participate in academic activities and frame policies under the guidance of Vice - Chancellor.

Proactive University Acts, Statutes and Ordinances are formulated integrating the University's Vision and Mission. University's administration is in complete sync with its Acts and Statutes with all academic and administrative bodies constituted in tune with the same.

The democratic and engaging system of governance is reflected in automation of various procedures, adoption of ISO framework, restructuring of programs, encouraging faculty members to publish quality articles and obtain research projects and in active community engagement. Curriculum planning includes traditional and cultural values, human values, societal welfare and professional ethics.

ISO Certificate : <https://www.andhrauniversity.edu.in/img/pdf/iso.pdf>

University Act : <https://www.andhrauniversity.edu.in/filestorage/The-AP-Universities-Act-1991.pdf>

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### **6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.**

##### **Response:**

**The University management believes in decentralization and participative management and leadership. The University takes policy decisions through its statutory bodies viz., Senate, Academic Council for academic matters, Finance Committee for fund management, and Building Committee for infrastructure development. The Executive Council is the apex body of the University to consider and approve the decisions taken by other statutory bodies and act on policy matters. Various Sub-Committees of Executive Council meet frequently to consider items related to academic and administrative activities and make recommendations to be placed in the EC chaired by Vice-Chancellor.**

**The leadership team consists of the Vice-Chancellor, Rector, Principals, and the Registrar. All academic matters, such as conduct of entrance examinations, semester exams, and results declaration are handled by the Office of the Controller of Examinations in close cooperation with all the departments, and colleges.**



**Decentralized and participative administration at all levels is the force behind the success of 97 years old university. The organizational structure of the University clearly establishes the hierarchical roles, ensures smooth and effective functioning of the University through teaching and non-teaching staff.**

**Decentralization:** The structure and process for decision-making often begins with faculty meetings followed by Departmental Committee meetings and School Board meetings, which approve and forward the decisions to the Academic Council. Some of the policy matters then are brought to the Executive Council for approval. All the decisions taken by the University on academic, administrative, and financial matters are placed before the EC for approvals. On all administrative matters, the decision making of the University follows a bottom-top approach. Proposals are made by officers lower in the hierarchy and then put up to senior officers for final approval by authorities such as the Registrar and the Vice-Chancellor.

A few other working committees under university are the University Research Committee, Central Purchase Committee, Hostel Committee, Ethics Committee, Waste Monitoring committee. IQAC members are involved in all quality enhancement activities- teaching, research and administration Every department has a Departmental committee (DC), Departmental Research Committee(DRC), several committees like Discipline, Anti Ragging, Student counselling committees(Mentors), Library, NSS/NCC committees are established for better governance. The structure of decentralization can be seen at

<https://www.andhrauniversity.edu.in/img/ORGONOGRAM-COLORS.pdf>

### **Participative Management:**

Andhra University involves stake holders in its decisions for the development in academic and administrative affairs. Faculty members are given representation in various committees and are encouraged to develop leadership skills by given autonomy to conduct several National and International seminars/conferences/workshops/FDP's etc. The University has a policy of rotation of positions in various bodies which ensures participative leadership. Requirements of the departments are assessed by the departments and communicated to the administration.

The administration encourages students to form student council and clubs to showcase their talents. Students provide effective feedback through their participation in decision making bodies. They are involved in Students Union, BOS meetings and hostel purchase committee as members. Industry representatives are also members of BOS and contribute to curriculum revision.

Internal quality assurance system functions under the IQAC in a totally participative decentralized model where statutory officers, students, teachers, alumni, and employers collectively engage in promoting quality services.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic plan is effectively deployed.

#### Response:

**AU has achieved appreciable progress, particularly in teaching learning, research and community engagement. The University has formulated and implemented a strategic plan in tune with the Vision and Mission of the University and has deployed it by focusing on the parameters given in strategic plan which seeks to ensure that AU students are globally eminent.**

In terms of infrastructural facilities, a total of 12 buildings are in completing stages with an investment of about Rs. 100 crores. Most of them will be available in the next Two (2) months and all of them will be available before August 2023.

New programs such as Integrated BBA + MBA (International Business), 4 year B.Sc (Hon) + 1 year M.Sc. Food Science and Technology with multi entry- multi exit options have been introduced in tune with NEP 2020. Several other programs are modified by introducing new interdisciplinary / multi-disciplinary courses. The skill development and value-added courses are also introduced to have flexibility in choosing the required curriculum. MOOCS course are made mandatory in all programs. Multidisciplinary and Interdisciplinary research teams are formed from different faculties to carry out research in multidisciplinary approach. The Research centers are Strengthened and a new center for Dr. B.R. Ambedkar Studies is established with GoI support. Periodic academic audits are conducted and corrective measures are adopted for improving quality standards in teaching learning, research and consultancy. A Transdisciplinary research Hub has been established to promote new discoveries at the boundaries of the siloed existing disciplines.

The University has taken several initiatives for collaborative research with foreign Universities/Institutions to strengthen teaching and research. As a result of it number of MOU's are signed with foreign universities such as Purdue University for IPR Training, Missouri State university for (1+1) PG Programs in Project management and with Scranton University for (1+1) PG Programs in Data Science with Business Analytics.

The dean international student office has been strengthened to interact with ICCR, and Participate in Internationals exhibitions to invite students from foreign countries and more than 1000 foreign students are at present studying in the campus.

With proper Utilization of the grants received programs such as RUSA, TEQIP, DST-PURSE, FIST, UGC, the infrastructure for advanced Laboratories is significantly improved, new laboratories are established in Human Genetics and Geo Engg departments. As a result of it advanced research is happening in several disciplines attracting meritorious scholars.

New Hostels have been built with CSR and Alumni funds. Library is Strengthened with E-learning resources. The Library Facilities are made available to all students in the campus at any place with 24/7 Wi-Fi Facility. Student Hostels, Play Grounds, Auditoriums, Computational Facilities were renovated and remodeled. Student Scholarship/Free ships/Other Financial Support is provided using various Schemes.

The university focused on applied research and field studies which have an impact on community development and societal benefit. Several awareness and community development programs were

conducted and the local Communities got benefited significantly.

By deploying the strategic plan the quality of research has increased as follows Scopus papers: 14462, Scopus H-index: 106, Scopus Citations: 123776, WOS papers: 5549, Citations: 49256, H-index: 75 and achieved a score of 3.60 in NAAC – Third cycle.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

#### **6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.**

##### **Response:**

The University leadership ensures development of a robust management system, its implementation and continuous improvement, apart from creating systems to identify organizational needs and fulfilling them. University has various functional bodies such as Executive Council, Finance Committee, Building Committee, University Research Committee, Central Purchase Committee, Admission Committee, Hostel Committee, Ethics Committee, Waste Monitoring Committees to administer important administrative works in day-to-day administration of finance, building construction, Academic Approvals, purchases and maintenance issues related to the hostel. The decision levels of the University administration can be categorized as:

**1. Academic Council:** It is the apex body for all academic matters. This statutory body comprises all the Faculty Chairmans of all the constituent colleges, Dean Academic Affairs, Senior Professors, Chairman-BOS all the departments, former VC's. Decisions which include curriculum restructuring, addition/deletion of programs, appointment of examiners/referees, revision of scheme of examination, policy for research, etc. are approved in this committee.

**2. Executive Council(EC):** It is the highest decision-making body of the University with the Vice Chancellor as it's Chairperson. The EC attends to policy matters and has representation from all stakeholders like senior faculty from University, external experts, representatives of affiliated colleges, ex-officio members, and government representatives. All matters of policy and governance are taken care of by this body in consultation with Top Management.

**3.Academics:** Heads of the departments, Faculty and Deans are appointed to take care of Academics, Examinations, Research and Development, Student affairs, Training & placement. Board of Studies Chairman for all the departments and Faculty Chairman at the constituent college level are responsible for implementing effective research procedures.

**4.Registrar office(Administration):** The Registrar is the custodian of the University who is responsible for all administrative matters. The Registrar looks after the organizational aspects of University functioning in close association with the Vice-Chancellor. Decisions which include recruitment, training and promotions of teaching/ non-teaching are taken by the office of the Registrar in association with Dean Academic affairs and the office of IQAC.

**5. Appointment and Service Rules:** Service rules and procedures are followed as per regulations of UGC and State Government.

**6. Policies:** Research Policy, Green Campus and Environment Policy, No Smoking Policy, Human Values and Professional Ethics Policy, Information Technology Policy, IPR Policy, Incubation and Startup Policy, Plastic ban policy, Anti ragging policy, RTI policy etc. All the policies are displayed in the website of Andhra university.

**7. Research & Development:** It takes care of all the research activities of the university which is headed by the Dean, R&D.

**8. College Development Council(CDC):** It looks at improving the standards of education in the affiliated colleges of the University to bring them in line with the education delivery at par with the university standards.

**9. Directorate of Admissions:** This cell is responsible for conduct of the entrance examinations for the admission into several courses of Andhra University.

**10. International Affairs:** The office of international affairs takes care of international students which is headed by Dean.

**11. Computer Centre:** AU Computer centre is responsible for university web portal, examinations, providing internet facility to the university.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>

### 6.2.3 Institution Implements e-governance covering following areas of operation

- 1.Administration
- 2.Finance and Accounts
- 3.Student Admission and Support
- 4.Examination

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

**6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .**

**Response:**

### **Performance Appraisal System and promotional Avenues:**

The University has strengthened Internal Quality Assurance Cell (IQAC), in keeping with recent guidelines from the UGC about Academic Integrity, when promotions and appointments are made, subjecting the publications of candidates to qualitative rather than mere quantitative assessments. The performance of the non-teaching staff is assessed through the Annual Performance Appraisal Reports (APARs) for career advancement and increments etc. Performance Appraisal for teachers for CAS promotion is based on API score (UGC Regulations). IQAC considers applications from eligible Faculty and verification and recommendations are made and forwards to the Office of the Vice-Chancellor for placement before the Screening/Selection Committee as mandated by UGC.

During the assessment period a total of 138 teachers were promoted to various stages as per UGC guidelines under CAS. Performance appraisal of the non-teaching staff is carried out based on the recommendations from the concerned heads and Registrar as per eligibility. 192 Non teaching staff were promoted, 331 employees working under 28 Days category were extended the benefit of Minimum Time Scale, 247 employees working on consolidated pay / under daily wage were converted into 28 Days Category, 78 employees were given employment under compassionate grounds. The Recruitment Rules (RR) Policy, Go MS No 38, the guidelines given to all universities by the UGC/Gov of AP, for direct recruitment and promotions of non-teaching staff has been adopted by AU and implemented.

### **Facilities:**

1. Staff quarters are provided to both teaching and non teaching staff of AU.
2. Identifying Best employees among Non teaching staff and felicitating them on Republic Day and Independence Day celebrations.

3. Felicitating our Teaching fraternity with Best Academician awards on September 5th annually and Best Researcher award during convocation.
4. Nominating eligible teaching faculty to STATE BEST TEACHERS AWARD given by AP State Government.
5. Huge Playgrounds which suffice cricket tournaments, Tennis, Basketball court, Indoor game facilities, Gym
6. Library Facilities with access to e-journals, IEEE access.
7. Union Bank, ICICI bank, SBI with ATM centres, Canteens, Post office in the campus
8. Guest House facilities for staff, resource persons at a very minimal price. Function halls are provided to staff at a minimal price.
9. Faculty club.
10. Teaching and Non teaching are encouraged to voice out their grievances to the management through recognized associations/bodies.
11. Reimbursement of IPR filing charges through DPIIT-IPR Chair of AU.
12. Well-equipped Health centre which is free for staff .
13. AU High school in both Telugu and English medium.

#### **Welfare Measures:**

1. No Smoking campus, Clean and green working environment with zero air pollution and noise pollution.
2. Casual, Privilege, Medical and Maternity leaves, Deputation are sanctioned as per eligibility and requirement of the applicant faculty.
3. Health cards under Employee Health Scheme (EHS) and medical centre which is well equipped.
4. Loan facilities are provided through cooperative society and Teachers Mutually aided society. Festival advances, Vehicle Loan, Provident Fund facility are also provided to its staff based on the eligibility.
5. Family Counselling centre, psychological counselling which is opened for general public is run by
6. Mental Health Care Center.
7. Yoga Center.
8. Free Legal Aid centre run by Dr.B.R.Ambedkar College of Law which provides legal services for poor and needy people.
9. Fee concession for the children of faculty studying in AU Colleges and AU High School.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.**

**Response:** 68.74

##### **6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1200	453	63	68	65

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### Other Upload Files

1	<a href="#">View Document</a>
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### 6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

**Response: 25**

#### 6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
55	21	19	13	17

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	<a href="#">View Document</a>
Reports of Academic Staff College or similar centers	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development

**Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**Response:** 27.47

**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
119	133	109	187	191

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development Programmes during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources**

**Response:**

### **Mobilization of funds**

The University has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for development of academic, research and infrastructure facilities. The annual budgeting of university activities is planned so as to ensure infrastructural and physical developmental needs including regular operating needs. Along with tuition fee, research grants from various Government and Non-Government agencies, consultancy projects and funding alumni are add on resources. The finance committee prepares an annual budget estimate duly considering the proposals regarding academic needs as per the recommendations of the administrative authorities.

All major financial decisions are taken by the institute's Financial Committee and Executive Council. University receives grants from State and Central Governments for salaries and maintenance and development of infrastructure. Research in the University and at department level is funded by various



national and international organizations like UGC, DBT, DST, ICSSR, RUSA, TEQIP.

The University runs with self-sufficient funds by generating the cash inflow from tuition fee from students and grants from State Govt/UGC and other miscellaneous incomes. The deficit/shortage of funds during the expansion or renovation of buildings has been managed from surplus funds generated through various sources. Various sources of funds are the Alumni, Corporate Social Responsibility Fund, AP State Govt, Central Government, scholar ships for UG, PG and PhD fellows.

Through CISC (Centre for Industrial and Scientific Consultancy), funds get generated by faculty by consultancy projects and corporate training.

Fee from International Student Admissions into UG, PG and Ph.D programs is a source of internal fund generation.

Centre for Defense studies, school of distance education is a potential source to generate funds.

CSR funding from corporates and organizations like HPCL, SALPG, NTPC, RINL, Avanthi Foundation, have contributed to AU as part of CSR funding. A total of more than 4 crores.

The University gets funds from AAA the alumni association. The funds provided by the alumni are in the form of corpus fund for specific medals instituted, construction grants or cash transfers. A total of more than 2.5 crores have been donated to AU during the last five years. A new Hostel has been constructed directly by Alumni in the College of Engg during this assessment period.

Endowment Chairs and Chair Professor are another source and around 16 chairs were obtained from Industry.

University generates revenues by leasing out available infrastructure to banks, corporates, Govt Institutions, auditoriums, seminar halls, advertisement boards.

### **Utilization of Resources**

The University adheres to effective utilization of budget approved for academic and administrative expenses and for infrastructure development. All financial matters are passed through several levels like Departmental Committee at department level, Project monitoring committee at college level and R&D/UGC cell at university level. The academic departments, offices submit their budgets annually. A Finance Officer (FO) in coordination with the University management assesses the expenditure and recommends the financial approval if any. Any equipment for research/academic/office purpose are procured through Central Purchase committee (CPC) of AU which are further processed through e-tendering/GEM. Majority of the Block grant from State Government is utilized for Staff salaries and pensions. The other income generated as stated above are utilized for conducting audits, research and infrastructure development of the University.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V ) (INR in Lakhs).**

**Response:** 1607.42

##### **6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
737.87	274.67	220.83	194.04	180.01

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)**

**Response:** 243.61

##### **6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
58.05	32.33	24.71	36.22	92.30

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.4 Institution conducts internal and external financial audits regularly

##### Response:

**Financial Audits:** AU is a State University; hence it complies with all the financial rules laid down by the UP Government. It has adopted standard practices for conducting internal and external financial audits. It has its own Finance Officer appointed by the AP State Government, and has its own internal auditors. In addition, the University adheres to the standard practice of appointing external auditors for external audits as per the rules of the government. The University endeavors to get all the projects and expenditures audited internally.

The University administration calls for regular audits & physical verification of purchases in the respective sections and departments by constituting committees comprising of teaching faculty and non-teaching staff.

A team of Internal audit section will carry out regular and standard internal audit. Internal audit team will check all receipts and payments voucher along with bank transactions made for precision.

Annual auditing by the AG audit (Central government) and State Government officials is conducted to provide feedback on any financial excesses, corrections & irregularity in reporting. This enables regular financial accountability. The audits will be conducted for purchases salaries and service matters of faculties, pay fixation, leave entitlements etc.

Joint sessions with academic faculty and accounts departments are held to ensure that financial statements of sections and departments are correct and any irregularity/discrepancies are noted. Issues arising thereon are sorted out by submitting relevant papers/suitable explanations.

Local fund audit along with AG audit are two activities which establish the financial credibility and transparency. During this process the presentation of the financial statements and accounts is scrutinized for effective presentation thereby rectifying any lapses. External auditing ensures effective communication, coordination, financial risk evaluation and provides suitable strategies for efficient management of finances. E.C. Resolution copies regarding dropping of Audit paras if any will be sent to State Audit Department, with a request to drop such objection/audit paras.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.**

### Response:

The IQAC advises the Institution for the adoption of quality management strategies in all academic and administrative aspects. IQAC adopts a participatory approach in managing its provisions.

IQAC has initiated a blended mode of learning and has trained the faculty to design develop and deliver e-content. Among the training components given to faculty the focus is on creating online learning platform using Microsoft teams and Zoom platform to ensure that academic calendar is followed despite lockdowns due to COVID-19.

In order to implement NEP-2020 guidelines effectively, IQAC trained and oriented teachers. IQAC is instrumental in conducting meetings on Gender Equity Ratio(GER) and communicate the observations to the authorities, implementing syllabus revisions to the curriculum in UG and PG courses, registration in NAD and implementing Academic Bank of Credits(ABC). In fact Coordinator, IQAC and Deputy coordinator of IQAC were identified as **Q leaders by APSCHE**.

As part of this IQAC cell of AU extends its services to affiliated colleges of AU. IQAC in coordination with all the departments and AU Computer center has conducted awareness programs to scholars and staff on Government initiatives like INFLIBNET, IRINS, VIDWAN, Plagiarism tools and necessity of the same in order to strengthen research. IQAC was instrumental in bringing out a quarterly new magazine and a weekly newspaper related to academic achievements and developments of student and staff of Andhra university. In an attempt to increase the visibility of AU activities and achievements, AU LOOKS, SAMACHAAR are uploaded into web and circulated through WhatsApp groups to all the stake holders.

The IQAC of the University has been encouraging the Departments, and Research Centers to conduct an Academic Audit regularly to stay abreast of world standards.

### Practice -I:

**Structured QMS:** AU developed a Quality policy and Quality manual which are implemented very effectively under the framework of ISO 9001:2015. The Quality policy and procedures of QMS are communicated to all stake holders. Records are standardized and for each department quality objectives are fixed. Periodic quality audits by internal and external auditors are conducted. Management review meetings are organized and several quality improvement initiatives are taken.

### Practice – 2:

**Online Feedback Mechanism:** To ensure quality education, regular teacher assessment and online feedback is obtained by IQAC from students. Feedback includes observations on teaching quality, teaching techniques and subject content. This is communicated to Heads of department to be discussed for initiating corrective measures. Feedback from stakeholders like alumni, employers and teachers are collected and analysed for preparing a strategic plan of action.

AU obtained, QS I-Gauge DIAMOND Rating till 2022, which is an International Accreditation. IQAC provides university data to ranking agencies like NIRF, Times Higher Education, Impact Rankings, QS, India Today, WEEK. Andhra University is one of the proud members of AIU which has hosted Annual South Zone Vice Chancellors meeting of AIU during January 2023.

All the above initiatives of IQAC have created a healthy environment of competition among faculty members and research scholars of the University, and has helped in developing a quality conscious research culture in the University.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).**

**Response:** A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of University	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).**

**Response:**

Andhra University has achieved 3.60/4.00 CGPA in Cycle 3 of NAAC accreditation in the year 2016. It believes in continuous growth and development and hence many quality initiatives were taken up and implemented. The initiatives taken up are:

**1. Curriculum Design and Development:** On the academic curriculum, the IQAC has successfully initiated the implementation of OBE for all the courses offered in the University. For this purpose, all the course curricula have been revamped, and as per NEP 2020 framework, several programmes and Courses are revamped making them relevant to Local, Regional, National and Global needs.

**2. Teaching learning:** Online classes are conducted for all programs through tools such as MS Teams, ZOOM for uninterrupted teaching learning. Conducted FDPs to train faculty on outcome based education and design, to develop and deliver blended programs.

**3. Research:** Regular orientation on anti-plagiarism tools is provided to the entire research fraternity in the University. Young faculty are funded with seed money for Translational Research. Established “bioArbor”, a medical genetics lab in science college with funding from RINL. Established a sophisticated **Digital Photogrammetry Lab** in College of Engineering with RUSA funds. Established a **Drone Technology Centre** in tie up with ROSYS. Established a **Dolby Advanced video and Audio Lab** in collaboration with Saint Lukes on the campus. AI and Machine intelligence facilities are provided in collaboration with NASSCOM. In order to further strengthen research in interdisciplinary areas AU has established AU Trans Disciplinary Research Hub(AU-TDRHUB).

**5. Establishment of Chair professors:** Under Univ-Industry tie ups a total of 16 Chair professors were obtained during 2019-2023 from Corporates, Pubic Sector companies and international software companies. Centre for Intellectual Property Rights is established in collaboration with the Department for Promotion of Industry and Internal Trade (DPIIT) Ministry of Commerce and Industry, Govt of India.

**6. Innovation and Incubation Cell(AaHub):** Several innovation and incubation centers have been established and nurtured under Andhra University(aHub) for promoting skill, innovation and entrepreneurship and employability amongst students of the region.

**7. Industry -Institute Interface:** To strengthen Industry institute interaction 118 MoU’s with Foreign and Indian Universities have been made. As part of an MoU with Purdue University, a program named “Fire Starter”– a capacity building program on Innovation and entrepreneurship ecosystem was executed under which 6 faculty from Andhra university have visited Purdue University for two weeks during 2022.

**8.Appointment of Adjunct/Honorary/Prof of Practice :** To combat faculty crunch and for effective knowledge dissemination the Management have appointed 41 Honorary Professors, 28 Full time Adjunct professors, 4 Visiting professors, 2 Emeritus Professors and 6 Professor of Practice and chair Professors.

**9. AU LMS :** Andhra University has started its own Learning Management system(LMS) and at present offering 10 Online courses and another 10 are in pipeline. .

**10. Digitization of Talapatras:** Recently Andhra University has taken a noble task of Digitization of 2.3 Lakh Palm Leaves through Dr.V.S.Krishna Library, Andhra University. A detailed information can be found at <https://scholarkart.in/AU/>.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### Response:

The AU campus has a conducive environment for gender equity which is reflected in the composition of students and staff. There is no gender discrimination and equal opportunities are given to men and women. The University has also taken steps to ensure the welfare of a transgender student who took admission recently. Dr.Durgabai Deshmukh Centre for women's studies on the campus regularly conduct gender sensitization activities to promote cooperation between male and female students.

A separate women grievance and redressed cell is established to eradicate abuse on women. This autonomous cell consists of members from organization of Govt. and others. Any deprived women/girl of the campus can straight away lodge a complaint against the evils seeking justice. Day care centre, exclusive cafeteria, rest rooms in all sections and departments are also provided. Women faculty are being nominated in key administrative positions such as Executive Council, Rector, Coordinator IQAC, Director Computer Centre, Principals and other administrative positions. All the research students can pursue their research without any assertions.

University Officially celebrates and honors women every year on occasions like international women's day, Mothers'day etc. An equally importance and encouragement is extended to women students in placement activities. As per the Statistics, 50% student population are women and in AU College of Pharmacy alone it is 85%. AP Govts informal policy is to nominate 50% women in all committees and Statutory bodies. Andhra University has nominated 50% women in Executive Council and other governing bodies.

The teaching faculty of the university take every care in the class room for the comfortable learning of the girl students. The whole campus is under 24/7 CCTV-camera surveillance and is monitored regularly. Every year special programs for the overall development of girl students are being conducted across the university. Co-curricular and extra -curricular activities such as sports & games are held specifically for girl students in all the departments. Even special awareness camps are being organized towards academic enhancement for the girls. The rule of reservation for all the programs is meticulously followed in order to enable the girls to get admission in their interested programs. It is to mention specially that the gender audit is being conducted periodically to ensure the gender equity among all the stake holders of the university.

The initiatives of the government of Andhra Pradesh like "Disha App" is downloaded by every student on campus and awareness is generated on its functionality. The specific schedule of women physician is available in the university health centre for keeping the health of girl students. An ambulance is available round the clock in the university campus. The canteens around the campus have special tables for the girl students.



File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

**Response:** A. 4 or All of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

**Response:**

AU has taken several initiatives to keep campus clean and green and eco-friendly. Standard guidelines and protocols for management of the degradable and non- degradable waste on campus are mentioned as under.

- Solid waste(Degradable waste): Degradable waste mostly classified as biodegradable waste, it is waste that can be decomposed down by natural processes into basic substances. They include food waste, paper and vegetation remains. In the university, degradable waste is managed by composting process. The University has set up a composting facility, where all the degradable waste generated is collected, sorted and processed. The composting process is managed by trained personnel, and the compost produced is used in the University's landscaping and gardening activities. Remaining degradable waste is collected by the dumper vans and handed over to the GVMC.

- Solid waste (Non-degradable waste): material like plastic, metal, glass, and electronic waste is categorized as non-degradable. In the University, non-degradable waste is managed through disposal. The University has set up a procedure, where all the recyclable materials are collected, sorted, and processed. The disposal center is equipped with modern facilities and the process is managed by trained personnel.
  - Liquid waste: The University also has a system in place for the proper disposal of non-recyclable waste, ensuring that it does not harm the environment in cooperation with the local government bodies.
  - Bio-Medical waste: Medical waste is a special type of waste that includes infectious materials, sharps and other hazardous waste generated during medical procedures. In the University, medical waste is managed through segregation, collection, transportation, treatment and disposal. The University has designated areas near the two major medical facilities in the north campus and south campus for the storage of medical waste and it is collected and handed over to specialized personnel for proper disposal. The University ensures that all the personnel involved in the management of medical waste are trained and equipped with the necessary personal protective equipment.
  - E-Waste : The generated E-Waste in the University has been mainly sent to re-cycling through the buy-back. The new electronic equipment/components are being purchased by giving the old ones through buy-back.
  - Hazardous waste: The hazardous waste such as chemicals, batteries etc are managed through the standard protocol which includes segregation, collection, transportation, treatment and disposal. The University has earmarked areas close to labs for the storage of hazardous waste and it is collected and transported to a specialized treatment facility for disposal. The University ensures that all the personnel involved in the management of hazardous waste are trained and equipped with the necessary personal protective equipment to minimize the risk of exposure to hazardous materials.
- In conclusion, the University has a comprehensive system in place for the management of different types of waste including degradable and non-degradable waste.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.4 Water conservation facilities available in the Institution:**

- 1.Rain water harvesting**
- 2.Borewell /Open well recharge**
- 3.Construction of tanks and bunds**
- 4.Waste water recycling**
- 5.Maintenance of water bodies and distribution system in the campus**

**Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.5 Green campus initiatives include:**

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

**Response:** A. Any 4 or All of the above

<b>File Description</b>	<b>Document</b>
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

**7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:**

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

**Response:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

The University is sensitive to providing an inclusive environment for students and employees, as is evident from a range of initiatives that it has put in place to account for and promote cultural, socioeconomic, and other diversities on the campus. Some of the initiatives on campus toward fostering an inclusive environment include:

1. Annual student fests and gatherings: Students from different communities and backgrounds join to celebrate the annual student fests and department days.

2.Cultural and religious festivals are celebrated by students and staff, cutting across all faiths and communities. Diwali, Dussehra, Ganesh Chaturthi, Eid, Christmas, Holi, Onam etc. are celebrated with much devotion and joy.

3.Patriotic events: Republic Day, Independence Day, Gandhi Jayanti, and Dr. B.R. Ambedkar's Jayanthi, Dr. Babu Jagjeevan Ram Jayanthi, Jyothirao Phule Jayanthi, are celebrated by students and staff.

4.National Service Scheme (NSS) activities expose students to the problems of socio-economically deprived populations and serve as a bridge between the institution and the community.

The Equal Opportunity Cell was established by the University of Hyderabad in 2019 with the objective of overseeing the effective implementation of policies and programmes for disadvantaged groups, to provide guidance and counselling with respect to academic, financial, social and other matters and to enhance the diversity within the campus

Centre for Studies on Social Exclusion and Inclusive Policy undertake interdisciplinary research and address the issues of social exclusion of the deprived and marginalized communities in the region who experience systemic exclusion in the matter of sharing the development gains earmarked by the government for their inclusive growth.

Centre for Gandhian Studies is another important centre in the campus which spreads the non-violence and communal harmony and the philosophy of the father of nation Mahatma Gandhi to the youth of the University and the region.

Dr. B. R. Ambedkar Chair on the campus organizes significant programs including the programs inviting the Hon'ble Minister of Social Justice and Empowerment.

Centre for Religious Studies on campus disseminates objective knowledge about religion. Centre/Cell for Differently Abled persons is catering the needs of the differently abled and divyagnan students. There is an SC, ST Cell, a Women Grievance Redressal Cell (established in 1997), an Internal Complaints Committee against Sexual Harassment of Women in the Campus (estd. in 2013).

Programs such as LL.M in Human Rights, PG Diploma in Social Exclusion and Inclusive Studies, come in handy on campus. Andhra University is a place where there is a healthy convergence of different ideologies and religious philosophies, and offers equal opportunities to all sections of people ultimately helping in achieving human excellence.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations:

**values, rights, duties and responsibilities of citizens (within 500 words).**

**Response:**

University feels besides imparting class room coaching, that it is its moral responsibility to groom students for becoming responsible citizens and contribute to the progress and development of the nation. The University organizes various programmes to all the staff and students to remember the struggle for freedom and respect the National Flag and National Anthem. The national anthem is sung at the end of important events so as to bring a feeling of patriotism among all. University also organizes various extracurricular activities and events such as community service programs, charity drives and volunteering opportunities.

Another important activity that University undertakes to inculcate values for responsible citizenship is the celebration of national holidays and important events. For example, Independence Day and Republic Day are celebrated with great fervor and students are encouraged to participate in parades, speeches, and cultural programs. This helps to instill a sense of patriotism and a love for the country and reinforces the idea that citizens have a duty to contribute to the development and growth of their nation. Another important practice of the Andhra University is recognizing its staff and faculty with awards on these days.

Environmental protection, Swachha Bharath programs, tree plantation, water conservation and protection of biodiversity are core concepts that the University's community programs focus upon. The student charter is clearly displayed at all places and points of the University where the student can definitely know the responsibilities he has to honor and the rights he can exercise without causing any disturbance to his fellow students, teachers and the infrastructure of the University.

Through a combination of classroom instruction, extracurricular activities, and national celebrations, the institution helps to ensure grooming of responsible future generations.

**7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**

**Response:**

Every year AU organizes the national festivals and birth and death anniversaries of eminent Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

Republic Day is celebrated on January 26 to commemorate the adoption of constitution. On this day, various formal events including flag-hoisting and march-past are organized and which are followed by “constitution awareness program” in which students and staff members got information of their duties towards our nation and rights given to them by our constitution.

15th August, Independence Day is celebrated every year. It is a grand event marked with flag hosting by the Vice Chancellor and a march-past and cultural programs by students.

29th August, National Sports day is celebrated by organizing massive rallies, competitions and awareness programs. The Fit-India movement is celebrated by the University on this day by organizing sports and games for staff and students of the University.

International Yoga Day is celebrated on 21st June. The Institution conducts programs on Yoga asanas, pranayama's and Meditation.

The birth anniversary of Michael Faraday is being celebrated by the department of electrical engineering; Department of mathematics celebrates the birth day of the great Indian mathematician Ramanujam. On such days of celebration, the departments and constituent colleges arrange the special lectures by the eminent personalities of the field of research, besides conducting quiz competitions, essay writings for the students of the University and the students of the region.

Every year the national technology day is celebrated to commemorate the successful test fire of the nuclear weapon at Pokhran. The department of Nuclear Physics celebrates the birth anniversary of Sri Suri Bhagavatam.

To inculcate a sense of self-esteem and self-sufficiency and in order to sensitize youth to put the nation and society before the self, the following important days like Mother Teresa, Ambedkar Jayanti, Babu Jagjivan Ram Jayanti, Birth anniversary of Jyothirao Phoolle, Mrs.Savitri Bai Phoolle, World Environment Day, Earth Day, Science Day etc. are celebrated in the University.

The university conducts events like library week, energy conservation week etc. Open house days are organized by some departments like Zoology, Botany, and Engineering to showcase labs and scientific equipment to the school children of the city. NSS Day is another festive occasion to the students.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Response:**

**Best Practice -1:**

1. Title of the Practice

Establishment of Andhra University Incubation Hub (? hub) an integrated multi-disciplinary incubation eco-system to foster innovation, creativity through entrepreneurship and employability.

1. Objectives of the Practice

AU Startup Incubation Hub (? hub), shall provide a structured environment to translate knowledge and innovation into creation of skilled manpower, potential employees and successful entrepreneurs that shall help in contributing to local economy and employment generation. It shall also act as the hub for promoting skill, innovation and entrepreneurship and employability amongst students of the region. The integrated Hub will create an ecosystem that will foster and support Next Generation Technology based innovation and entrepreneurship amongst the students, faculties, entrepreneurs, and nearby communities from North Coastal Districts of Andhra Pradesh leading to the creation of economic development, wealth and jobs in the region.

1. The Context

The Andhra university is situated in coastal Andhra Pradesh and most of students are from rural background. They also have aspiration, potentiality, innovation and creativity which require structured Counselling, mentoring, training for skill development and support for employability and entrepreneurship



through skill development, incubation and startups. In recent years, Visakhapatnam (Vizag) is also emerging as a formidable skill development and startup ecosystem. There is a continued demand for skill development, innovation culture, knowledge transfer and Startup Incubation from students, faculty, industry and startup entrepreneurs for an eco-system that is self-contained. Realizing the need Andhra university has established a multidisciplinary Incubation Hub(a-hub), along with skill development centers that is critical for the growth of the startup ecosystem in and around this region.

### 1. The Practice

To achieve the desired objectives Andhra University has established the following Skill Development / Incubation Centers to train the students in various skills and to promote innovative ideas.

- Andhra University & Avanti Feeds Center of Marine farming, Incubation & Skill Development
- Andhra University & The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E) at Department of Zoology
- AU- Andhra Pradesh State Skill Development Corporation (APSSDC) - SIEMENS Centre of Excellence

In addition to these Centre for Intellectual Property Rights is established in collaboration with the Department for Promotion of Industry and Internal Trade (DPIIT) Ministry of Commerce and Industry, Govt of India. Placement and student counselling cells are strengthened with placement officers for each campus college. IPR policy is designed for the AP State and implemented.

To create a comprehensive ecosystem that constitutes just not only a university run Incubation Center such as Startup/Innovation/ incubation ecosystem, Andhra University partnered with Industry Associations and Bodies to set-up and run Incubation Centers:

- Andhra University Incubation Center in a built-up space of 30,000 sq.ft.
- ELEMENT Incubation & Bio Mon Center for Pharma & Food Tech in 60,000 sq.ft.
- Andhra University STPI Industry 4.0 & Next Gen Tech Center with a outlay of INR 58 Cr. from MeITY & STPI .
- DigiFac Center of Excellence in Low/No Code Technologies in 4,000 sq.ft.
- Rosys Center of Excellence in Drone Systems in 3,000 sq.ft.
- GAIT Solutions Center of Excellence in GIS in Geo-Engineering Department
- Enveda Therapeutic India Pvt. Ltd (startup) in Chemistry department
- TCABS-E life sciences Innovation Centre in Zoology Department
- Haritha Bioactivities (startup) in Food, Nutrition and Dietetics department

All these above cells/ Incubation/ Innovation/ IPR / Startup Centers organize periodic student counselling, awareness programmes, expert lectures on skill development, entrepreneur development and IPR. Online and in person mentoring and support services being provided to students, research scholars and local personnel. The American corner in Andhra University is also conducting workshops for aspiring women entrepreneurs. Specialized training is provided in skill development centers. Various Industry and

academia meets are organized. The curriculum is revised as per recent developments in various disciplines involving experts from industry and corporates.

### 1.Evidence of Success

I) Andhra University Incubation Center (? hub) has achieved various milestones in just a year of its establishment. Some of the key achievements are listed below (as of 10 May 2023):

- 1.Incubated more than 109 start-ups, 8 startups have graduated.
- 2.Helped 7 start-ups get funding of approximately 62.7 Cr.
- 3.Provided direct employment for 579 people and internships to 211 students Providing mentor hours of nearly 2500 hours.
4. Start-ups that have been recognized for their achievements in the last four months:
- 5.Rolls Mama – Received Best Economical Franchise Award and has now 5 franchisee outlets and growing fast.
- 6.Gny.AI – Winner of AP Fintech Innovation Challenge and awarded INR 5 Lakh and work order from Government of Andhra Pradesh
- 7.GreenJams – Winner of Environment & Energy category by ET Now and The Circulars Accelerators 2023 (Initiative of Accenture run in collaboration with the World Economic Forum)
- 8.Schemax Tech – Founder awarded with Businessperson of the Year 2022 by Sakshi Excellence Awards.
- 9.InterviewBuddy – Among the 33 startups selected nationwide to be funded to travel to the USA and pitch to investors as part of a National Start-up Conclave winners list by MeITY and Startup India.
- 10.One student startup (EduMoon) got selected under STPI driven CHUNAUTI 2.0 and got funded for INR 20 Lakhs with a valuation of INR 3 Cr
- 11.One student startup (Aqua Farm India) won the regional at Kolkata and south Asia at Ho Chi Min for the UN funded USD 1 mn. Hult Prize competition and were sponsored 40K USD all expenses paid accelerator program at London, UK.
- 12.NIRF Innovation Ranking 2023 : 11-50 Band
- 13.Top rated and only Govt and Govt funded University in India to get a 4-star rating.



## II) Andhra University & Avanti Feeds Center of Marine Incubation & Skill Development:

1. Conducted 15 training programmes on advanced techniques in shrimp and Aquaculture and Sea Food Processing.
2. 544 students got trained for skill development

## III) Andhra University & The Center for Advanced-Applied Biological Sciences & Entrepreneurship (TCABS-E) at Department of Zoology,

1. Three patents were published by students in collaboration with Andhra University
2. 35 student internships provided

## IV) AU-Andhra Pradesh State Skill Development Corporation (APSSDC) and SIEMENS Centre of Excellence:

1. Nearly 6900 Students get benefited in advanced skills development in three combined districts Visakhapatnam, Vizianagaram and Srikakulam.

#### V) DigiFac Center of Excellence in Low/No Code Technologies

a. 175 Student are trained in Low Code Technologies

#### VI) The IPR Centre for Intellectual property Rights:

1. 60 patents filed during last two years
2. One patented technology is transferred for commercialization
3. 28 Faculty Development Sessions
4. An IP Buddy, a 24x7 WhatsApp -app based on online platform was created to answer queries on IPR
5. 50 IPR awareness workshops were organized
6. 2895 students per year are completing 2 credit IPR course.

With all these coordinated efforts skill development / innovation/ incubation/ startup centers in the Andhra university the campus placements have increased significantly during the assessment period. On an average 70 companies / organizations / institutions have recruited the students in campus placements.

Over all 75.99% of students got placements during the assessment period. The effort towards creating a comprehensive skill development, innovation, incubation and start-up ecosystem is paying dividends at Andhra University . There are 109 startups with 540 employees are functioning at present in the Andhra University campus.

#### 6. Problems Encountered and Resources Required

Building an eco-system is a herculean task requiring a good source of funding and resources to run the operations. COVID was the initial spoiler with the vision losing close to two years to start operations. The initial thought was created in Mar 2020 and the initial vision was put together in Sep 2020, and it took two years for it to take shape on account of COVID related constraints. The University has applied for many funding opportunities and even defended the proposal in case of NIDHI-iTBI and is still awaiting the result. We are trying to get funding help from entities like DST, MeitY, to help accelerate the initial results.

#### 7. Notes (Optional)

Andhra University had started mentoring other institutions in the setup and running of Incubation Centers in the region, and is entering into MoUs for lending support to the institutions. The idea is to create a Hub and Spoke model of skill development/Incubation so that the Centers setup in local colleges can take advantage of the network, training and assets that the Andhra University skill development/ Incubation Hub has created.

#### Best Practice -2:

## 1. Title: “AU holistic wellness Ecosystem for integrated personality development”.

### 2. Objectives of the Practice

AU Campus Wellness Promotion Centers aims to provide a holistic environment to bring about behavioral changes and move towards a more physically active and healthy lifestyle that shall help in the development of an integrated personality including – Body, Mind and Spirit through Ancient Yoga Practices, Sports on play grounds and an ethical comprehensive mental care support system.

The Wellness ecosystem on the campus will foster and support life lessons like balanced stress freeness, discipline, responsibility, self-confidence to build relationships with hard-to-reach groups and accountability leading to the creation of a healthy individual facing the challenges of the century and to keep up with the pace of the world and provide a vehicle for inclusion, drawing together people of different religions and cultures on the campus.

### 3. The Context

The Government of India insists on Physical Fitness, Mental Health and Overall Development of Personality for every citizen. In these lines, the Government has launched Fit India Movement, Khelo India, National Sports Day, International Day of Yoga etc. Realizing the need for an organized and a scientific approach to integrated personality development, Andhra University had envisioned a wellness hub, creating physical infrastructure for sports activities at multiple accessible locations on the campus, and promoting a dedicated Yoga and Consciousness center in a very pristine location abutting the coast line of Bay of Bengal. This center since its inception has been a seat of quality with special focus on Hatha Yoga, Ashtanga yoga, Power yoga, Kundalini yoga and Yoga Nidra along with naturopathy. This center in fact became a massive source of wellbeing for the city of Visakhapatnam during the COVID -19 Pandemic times.

### 4. The Practice

To achieve the desired objectives Andhra University has established the following facilities/skills/courses/techniques to promote wellbeing of individuals.

1. A four-acre Beach campus for Andhra University Yoga & Consciousness Centre which offers the following skills.
  1. Regular training in Practice of Yoga to the Public and to youth both in the morning and evening ( 6 batches every day with a batch size of 60 )
  2. Suddi kreas (body cleansing techniques) and Pranayama (breathing technique).
  3. Diploma in Yoga Instructor (6 months) programme.
  4. P.G Diploma in Yoga which is being patronized by medical Doctors and Health professional besides general public and employees of local Industry.
  5. Naturopathy counselling and treatment focusing on Nutrition and Dietary advice, herbal medicine, hydro therapy which include body massages, Bowen, acupressure and acupuncture.

## II) Large Play Grounds on the campus at multiple Locations

1. Andhra University Platinum Jubilee Sports Ground is expanded from 8 acres to 12 acres in radius to cater the requirements of traditional sports.
2. URJA- A new Sports ground in 10 acres is developed in College of Engineering Premises for promoting cricket and running.
3. AU-Polamamba Ground, which is another new ground in 8 acres is developed to cater to general public and local school children to play at university premises.
4. New Tennis / badminton/ basketball courts have been developed at A.U College of Engg premises in addition to the existing facilities at AU Arts and Science grounds.

A comprehensive sports health ecosystem that constitutes just not only a university run physical facilities, even partners from sports associations and bodies were invited to set-up courts and run sports facilities.

III) In addition to above, a comprehensive center for Mental Health care & counselling facility is strengthened at the Dept of Psychology to provide mental healthcare services to a demographic that ranges through every walk of life; children, teenagers, campus youth, and the elderly. This Center conducts psycho-diagnostic assessments for the needy and provide necessary reports and certification by Clinical Psychologists. Some of them are listed here under.

1. Learning Disability tests for Andhra University High School Children utilizing the students of M. Sc Psychology.
2. Attention-Deficit/Hyperactivity Disorder(ADHD), Autism, MR, LD and Psychometric tests for school children.
3. Psychometric tests for Mental Health, Suicidal Ideation for University Employees, Employee children and outside the community, free of cost.
4. Psychometric tests like Anxiety, Stress, Fear, Depression and Online Counseling Sessions for COVID-19 effected people and front line workers ( Police, Medical, Para-medical).

All the above Facilities are utilized for students and public to offer counselling, awareness skills, competitions in order to develop holistic a personality.

## 5. Evidence of Success

Andhra University Wellness Centers through promotion of Yoga, Sports and Counselling has achieved several milestones.



1. It is very pertinent to mention that some students rose to recognition in “Gunnies world records” and many other prestigious medal and awards such as “Yoga Siromani”.
2. Excellent awareness in the benefits of Yoga has been brought out in the public which is evidenced by large number of people participating in the Yoga training camps of this university.
3. Yoga therapy for different ailments from this center became popular among the general public and the yoga center received financial assistance of AICTE, AYUSH to organize many meditation related courses.
4. The sports grounds on the campus became a vehicle of inclusion drawing together the youth on the campus and it is reported by the hostel wardens on campus that the sports on ground kept them away from mobile, social media platforms and TV watching in the hostels.
5. Students reported obsess at the time of taking admission into the campus, were able to get back to shape and fitness on regular participation in physical sports activity at university grounds.
6. Looking at priorities of AU towards promotion of Indian Knowledge Systems, “MahaBhodi Society”, Karnataka, collaborated with AU and initiated an investment of 1.5 Cr towards creating an International Buddhist Meditation center on the campus.

#### 6. Challenges faced:

The wellness Centre faced hardships during the COVID-19 pandemic relief works. It associated with groups of NSS Volunteers of the University to motivate people to get vaccinated and later faced challenges to adopt online mode of delivering Pranayama and breath regulation Techniques to public at large. The beliefs and attitudes of people when seeking mental healthcare are significant barriers when it comes to using the Mental Health care services. With Play grounds for sports the challenges faced frequently are with reference to improper maintaining of Surfacing Depths which causes injuries to players.

## 7. Notes (Optional)

The Yoga Center signed MoU's with various affiliated college for spreading the concepts of Yoga even at under graduate level. The institution is lending support to the local private bodies to set up yoga practicing Centers to promote general awareness among the masses to attain peace, harmony and well-being through Yoga practices as envisaged by Ministry of AYUSH.

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 7.3 Institutional Distinctiveness

**7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words****Response:**

Establishment of Centre for Defense Studies in collaboration with Indian Air force, Indian Navy and Indian Army at Andhra University.

In the year 2017, Andhra University has conceptualized an initiative of extending a helping hand in the academic progression of the warriors of the nation, working in defense services as soldiers, sailors, airmen and officers of various cadres at Indian Air Force, Indian Navy and Indian Army. This was taken up as a novel distinctive initiative with immense societal relevance as most of these warriors join the defense carrier at a very early age, and many of them with only 10+2 Qualification. Upon discharge from services mostly these warriors do not get suitable reemployment due to lack of minimum degree qualification. Even for those recruited at officer cadre with graduate degree, mostly they do not find opportunities to pursue higher education. On receiving a proposal from defense tri services to train/recognize skills, Andhra University conceived and implemented new programmes to help defense personnel, pursue higher studies and get trained/qualified to enable the retiring & retired Armed Forces/Personnel to utilize sponsored welfare/ re-settlement schemes of GoI and access second career/employment opportunities.

The University has actively involved in forging a strong collaboration with the Indian defense tri-services with the aim of empowering the warriors of the nation with relevant experience and skills for the award of degree/diploma/certificate by affiliating the defense training centers, joint education & research programmers etc., for recognizing the training being imparted to them at their establishments and also to support the technological front of the defense arena.

AU-DEFENCE RESEARCH & DEVELOPMENT CENTRE has been inaugurated by his EXCELLENCY, **SHRI RAMNATH KOVIND**, HON'BLE PRESIDENT OF INDIA on 7th December 2017. The University so far has signed 20 (Twenty) MOUs with Indian navy, Indian Airforce and Indian Army during this assessment period. At present the University is offering Pre-Release Courses in association with the Directorate General of Resettlement, under the Department of Sainik welfare, Ministry of Defense and



currently the following courses are being offered under this programme:

- Diploma in Fire and Safety Engineering
- Diploma in Marine Electrical and Navigational Electronics
- Diploma in Marine Engineering
- Diploma in Yoga Instructor
- Diploma in Disaster Management
- Certificate Course in Cyber Security

The University has recognized and affiliated Indian Naval Ship (INS) Viswakarma for the award of B.Sc.(Hons) Degree in Naval Ship building and Hull Maintenance. Similarly, the College of Air Warfare (CAW), an Indian Air force Unit in Hyderabad have been recognized for programs such as M.A. Political Science and Strategic Studies structuring and quantifying the training being imparted to the officers of the Indian Air force into a two year programme.

AU also identified 26 trades in which the cadets of Indian Air Force receive training and their work has been structured into 26 Diploma certificates such as

- Diploma in Mechanical Engineering (Machinist and workshop fitter)
- Diploma in Mechanical Engineering (Mechanic, plant maintenance and Missile fitter)
- Diploma in Air safety
- Diploma in Mechanical Engineering (Propulsion and Engine fitter)
- Diploma in Mechanical Engineering (Structure and Air Frame fitter)
- Diploma in Mechanical Engineering (Weapon fitter)
- Diploma Meteorological Assistance
- Diploma in Office Management
- Diploma in Pay and Accounting Management
- Diploma in Physical Fitness training
- Diploma in Security and Intelligence Services
- Diploma Teaching and Education service
- Diploma in House keeping
- Diploma in Music

Govt of India's employment notification, allowed soldiers with 15 years of minimum continuous service as eligible to seek employment in civilian positions. Such notifications render help to them but the constraint is lack of degree certificate and it is the eligibility constraint despite qualified experience. To render helping hand to such soldiers, Kendriya Sainik welfare board sought collaboration of AU, to quantify their training regime of 15+ years into suitable credits and structure a B.A degree based on their performance at viva examination. Such quantification after proper assessment of the candidates by the Rashtriya Sainik Welfare Boards as per the Standard Operating Procedures gets evaluated by the board of examiners at Andhra University, and basing on quantified credit table, a degree gets awarded to the warrior along with a consolidated credit memo. As a result of this initiatives around 6,500 defense personnel got qualified for the award of UG degrees, which helped them to secure better resettlement.

This distinctive step of AU is to harness the potential of this disciplined/ well-trained manpower by their continued gainful utilization in the “Nation Building”. It is very much in line with the vision of the university with immense societal benefit more particularly in the back drop of Make in India and Atma Nirbhar Bharat for the country on its march towards AmritKal. In fact AU is the first university to get call to train Agniveers. The university received a proposal to be associated with Indian Navy to offer academic training to youth who are selected under “Agnipath scheme”.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

### Additional Information :

Keeping with the ethos of contemporary academic scenario, the institution is moving forward, exploring the scope for integration of science, technology, humanities, social sciences, population dynamics and societal thought that could enable the university to emerge as a competitive educational and research hub. Since good quality research has been the back bone for any university accreditation, a special emphasis is being laid to strengthen academic networking and promote national and international collaborations in cutting edge areas of basic and applied sciences, arts, commerce, management, law, pharmacy, engineering.

Having established the tradition of imparting quality education, the university has been the natural destination for many of the aspirants in the pursuit of academic excellence and therefore student strength has been growing year after year. It is worth mentioning here that the international student strength has substantially gone up over the past couple of years. The Students of Andhra University enjoy an array of activities in campus. In order to provide employability skills, each constituent college is given a full-fledged placement cell with a concern for developing soft skills and life skills of the students to prepare them to face competition in the job market. These activities enhance student's proficiency in critical thinking, problem solving skills and communication, thereby enhancing their ability to contribute to the positive and productive experience. The University has achieved the following rankings during assessment period.

- NIRF - Consistently First in AP-State and among first 50 in India in the last 5 years.
- QS BRICS Ranking, 2021-22 (Asia 401-450, India-42)
- QS-IGUAGE (Diamond rating for 3 Years upto Feb 2022)
- The WEEK HANSA 2023 Multi-Disciplinary University (9th rank in India)
- MoE, MHRD- Institutions Innovation Council @Andhra University (4 Star rating, 2022)

### Concluding Remarks :

Andhra University is at the fore front, in the state of Andhra Pradesh to implement the National Education Policy 2020 with MERU orientation under multi-entry and exit options with integrated programmes at different levels with quality, equity, accessibility, and affordability as the four pillars to achieve excellence. The University is striving its best to contribute its might with the vision of '**Study in India-Stay in India**' to take the country towards transformation into a global destination, the "**Viswa-Guru**", in education.

AU is on its journey towards a paradigm shift from student to learner, from teaching to designing and managing learning experiences, from degree based to continuous learning. The University, by establishing skill development centres, is synergizing education with skill ushering in new avenues of socio-economic empowerment. In its journey of 97 years, Andhra University reached several milestones in education, research, consultancy and community development. It played a pivotal and its presence is recognized globally while it is all set to celebrate its "**Shatabdi Mahotsav**" during **2025-26**, aiming for the skies to claim the primacy of place in excellence across all spheres of human endeavour.

AU is strategically placed and has an opportunity to change the play of education by aggressively engaging with industry to co-create course content, collaborate on research, and offer work-integrated learning evolving its role from being repositories of knowledge to teaching learners to curate, challenge and extend knowledge,

redefining research and teaching methodologies via technology. In near future universities will have to leverage advanced analytics and AI to support continual testing and optimization of course content and curriculum delivery, that maximize student learning.

Andhra University shall reimagine its physical footprints and facilities during the “**Amrit Kal**” of India’s journey towards **2047**, with opportunities to use them in new ways to help address broader social and societal needs focusing on the critical capabilities required for future success and actively build those while experimenting with unbundling routine functions.