



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Jawaharlal Nehru Technological University Anantapur (JNTUA) was established in 2008 by an act of the then Government of AP by trifurcating the erstwhile Jawaharlal Nehru Technological University (JNTU) into three Technological Universities namely Jawaharlal Nehru Technological University Anantapur (JNTUA), Jawaharlal Nehru Technological University Hyderabad (JNTUH) and Jawaharlal Nehru Technological University Kakinada (JNTUK). Prior to the division of JNTU, JNTU College of Engineering, Anantapur, JNTU College of Engineering, Hyderabad, JNTU College of Engineering, Kakinada and JNTU College of Engineering, Pulivendula were constituent Engineering Colleges of JNTU. After the formation of JNTUA, the University started functioning from the campus of JNTU College of Engineering, Anantapur, which was renamed as JNTUA College of Engineering, Anantapur changing its affiliation to JNTUA. Similarly, the Engineering College at Pulivendula also came under the fold of JNTUA and was renamed as JNTUA College of Engineering, Pulivendula. All the Private Engineering Colleges and Pharmacy Colleges as well as some Standalone Institutions of MBA and MCA in the five districts of Anantapur, Chittoor, Kurnool, Nellore and YSR Kadapa came under the jurisdiction of JNTUA. Oil Technology Research Institute (OTRI), Anantapur, which was established in the year 1948 also became constituent unit of JNTUA and was later renamed as Oil Technology and Pharmaceutical Research Institute (OTPRI) in 2016. JNTUA started a Department of Management in the year 2009 which is later renamed as School of Management Studies in 2019. The JNTUA College of Engineering, Anantapur from whose campus JNTUA is operating has a glorious history of 75 years of existence through the portals of which college many eminent and distinguished Alumni have walked and have occupied very high positions in Academics, Industry and the Government Research Organizations.

JNTUA has a well-organized administrative hierarchy governed by JNTUA Act and also the Statutes of the University. Different administrative wings in the form of Directorates are established with each Directorate having specific functions to look after. Over the evolution of the University, new Directorates are created to address new areas and also to provide a well-balanced and coherent administration. A graphic showing the Administrative hierarchy is presented below.

Similarly, as an Affiliating University, JNTUA has got under its fold various Constituent Units as well as Private Professional Institutions

Vision

To be a world-class Technological University to excel in teaching, innovative research and consultancy in the disciplines of Engineering, Science & Technology, Pharmaceutical Science and Management thereby empowering the stakeholders to compete globally.

Mission

To achieve the goals by continuously upgrading the curriculum catering to the societal needs and industrial requirements, by conducting research in intra, inter, multi and trans-disciplinary areas and by imparting quality education for enhancing knowledge, employability skills and entrepreneurship capabilities through start-up

environment.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Strong Brand Image as one of the best Technological Institution
- Strong work culture with good governance and commitment to achieve quality.
- Professionally qualified faculty: 70% of the faculty possess Doctoral degree and remaining faculty members possess Master's degree.
- Actively involved in research as evidenced by publishing research articles in prominent national & internal journals of repute and the on-going research projects sponsored by various organizations like AICTE, UGC, DST, BRNS, BHEL etc.,
- Various core and interdisciplinary PG programs are being offered.
- Quality input of students – qualified in EAMCET, GATE, PGECET examinations.
- Alumni of the university have occupied prestigious positions in India and abroad.
- Good campus placements

Institutional Weakness

- Though the existing Faculty is committed and dedicated, the University has large number of faculty positions vacant causing a handicap in the fast development and growth
- Many of the Laboratories are to be modernized with latest equipment to catch up with Industry needs
- The industry participation in curriculum development and establishment of Laboratories is not adequate
- Inadequate Technical Supporting staff in the Laboratories
- The Consultancy Services need lot of improvement for Internal Revenue Generation
- International Collaborations are inadequate
- Innovation and Entrepreneurship Cell needs strengthening in terms of Infrastructure and establishment of Incubation Centre

Institutional Opportunity

- Locational advantage because of easy access to Metropolitan cities of Bangalore and Hyderabad
- Strong links with Alumni which can be advantageous in the development of the University
- The large number of affiliated Professional Colleges
- Enormous potential in improving the Internal Revenue Generation through consultancy services
- Identified as the potential University that can be transformed into MERU (Multi-disciplinary Educational and Research University) by the State Government
- Large area available for development of Infrastructural facilities

Institutional Challenge

- Emergence of new universities with considerable investment under private sector as competitors
- Possibility of entry of foreign universities/ technical institutions as potential competitors

- Inadequate budget allocation by State Government despite increasing needs to meet these challenges
- Overcoming the procedural delays and constraints in increasing the pace of growth
- Evolving constantly to meet the industry needs in Emerging Technologies in view of the rapid advancements in Technologies

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Jawaharlal Nehru Technological University Anantapur (JNTUA) is dedicated to not only imparting academic knowledge to its students but also instilling in them essential life skills, values, and sensitivity required for effective citizenship. The university has taken a strategic approach in designing its curriculum, encompassing a wide array of courses that incorporate cross-cutting issues of great significance. These issues include gender equality, environmental awareness and sustainability, human values, and professional ethics. This proactive educational approach aims to provide students with a comprehensive education that goes beyond technical expertise. This, in turn, empowers them to become responsible, empathetic individuals capable of making positive contributions to society.

JNTUA firmly believes in the transformative power of education, shaping students' character and perspectives. By integrating topics centered around gender, the university endeavors to raise awareness regarding gender equality and underline the significance of treating every individual with respect and dignity. This educational strategy effectively challenges and dismantles stereotypes and prejudices, cultivating a learning environment that is more inclusive and equitable.

The university's focus on environmental awareness and sustainability is not only timely but also imperative, given the substantial challenges posed by climate change and environmental degradation. JNTUA acknowledges the pivotal role that engineers and technologists play in promoting sustainable practices and devising innovative solutions to address environmental issues. Through the integration of sustainability-related courses into its curriculum, the university stimulates critical thinking among students regarding their responsibilities in safeguarding the planet and fostering sustainable development.

JNTUA's educational philosophy encompasses holistic learning by intertwining technical expertise with critical life skills, values, and awareness of pressing societal issues. This multifaceted approach seeks to produce well-rounded individuals who are capable of positively impacting both their communities and the larger world.

Teaching-learning and Evaluation

JNTUA recognizes the diverse backgrounds and varying levels of students and strives to design student-centric approaches and activities to address their individual requirements. By acknowledging the different socio-economic backgrounds and varying levels of language proficiency, confidence, competency, and learning abilities among students, JNTUA is taking an inclusive approach to education.

The teaching-learning process at JNTUA is considered one of the major strengths of the university. By incorporating a blend of traditional and modern teaching methods, the university aims to create a student-centric and rewarding learning experience. This approach acknowledges that students have different learning styles and preferences, and it caters to their individual needs.

By incorporating traditional teaching methods, such as lectures and discussions, JNTUA ensures that students receive a solid foundation of knowledge in their respective fields. These methods have been used in education for a long time and have proven to be effective in conveying information and facilitating discussions.

In addition to traditional methods, JNTUA also embraces modern teaching techniques. This includes the use of technology, multimedia resources, interactive learning tools, and hands-on activities. These approaches make the learning process more engaging, interactive, and practical, allowing students to apply their knowledge and develop critical thinking skills. JNTUA recognizes the importance of integrating ICT-enabled tools into the teaching and learning process to provide students with enhanced learning experiences. The university ensures that students are exposed to experiential learning and stay updated with global developments in their respective fields. Faculty members at JNTUA employ a combination of ICT-enabled tools and conventional teaching methods to engage students and promote long-term learning. These tools include digital platforms, online instructions, and recorded video classes, which provide students with flexibility in accessing educational content and learning at their own pace. The university libraries at JNTUA are well-equipped with a learning management system. This system enables the distribution of physical books to students and also provides access to e-journals and e-content through digital platforms

Overall, by combining traditional and modern teaching methods, JNTUA aims to provide a comprehensive and well-rounded education to its students. The focus on creating a student-centric learning experience ensures that individual needs are addressed, and students have the opportunity to reach their full potential.

Research, Innovations and Extension

JNTUA's strong emphasis on research and the support provided to faculty members in engaging in research activities. The university's encouragement for faculty members to pursue research in their respective fields of study and work, publish research papers, and organize workshops related to innovation and research is commendable.

By regularly updating research facilities to incorporate the latest technological developments, JNTUA ensures that faculty members and students have access to advanced research equipment beyond the requirements of the curriculum. The dedicated research laboratories in each department provide the necessary infrastructure for conducting research experiments and investigations, fostering a conducive environment for research work.

Moreover, JNTUA actively supports faculty members in applying for various project funding schemes offered by government agencies such as AICTE, DST, UGC, DRDO, and DBT. These project grants not only provide financial support but also enable faculty members to acquire modern equipment and resources necessary for their research projects. By facilitating access to such funding opportunities, the university encourages faculty members to pursue research in areas of their expertise and contribute to the advancement of knowledge in their respective fields.

The implementation of a faculty-friendly Consultancy policy further highlights JNTUA's commitment to research. This policy promotes revenue sharing between the university and the teaching and non-teaching staff of various departments, incentivizing faculty members to take up consultancy assignments from different government and private agencies. By engaging in consultancy projects, faculty members can apply their expertise to practical problems faced by industries and research laboratories, contributing their knowledge and skills to address real-world challenges.

Overall, JNTUA's focus on research, provision of updated research facilities, support for project funding, and implementation of a faculty-friendly Consultancy policy demonstrates the university's commitment to promoting research and innovation. These initiatives not only benefit the faculty members but also contribute to the overall academic and intellectual growth of the institution.

Infrastructure and Learning Resources

JNTUA is equipped with adequate facilities to support effective teaching and learning activities. The availability of classrooms in each department, designed to accommodate undergraduate, Integrated Dual Degree Program (IDP), postgraduate, and other allied programs, ensures that students have appropriate spaces for their academic activities.

The inclusion of ICT facilities such as network connectivity and Wi-Fi coverage in all departments is crucial in today's digital age. These facilities enable students and faculty to access online resources and educational materials seamlessly, enhancing the learning experience and promoting independent study.

The presence of LCD projectors, screens, and AV systems in classrooms further enhances teaching and learning by enabling the use of multimedia tools. This allows faculty members to incorporate visual aids, presentations, and interactive content, making the learning process more engaging and effective. Within the JNTUA campus, the presence of a dedicated permanent employee supervising the Indoor Stadium reflects the university's commitment to providing sports facilities and promoting physical activities. This individual has the responsibility of overseeing the operations and maintenance of the stadium, ensuring that the facilities are in good condition and the equipment is properly maintained. They also play a crucial role in enforcing safety protocols to ensure the well-being of students and faculty utilizing the Indoor Stadium.

The appointment of a sport secretary further highlights the university's focus on sports activities and management. The sport secretary is responsible for monitoring funding, maintenance, and participation in sports activities both within and outside the university. By managing budgets and coordinating sports events, they contribute to the organization and smooth functioning of sports programs.

The diverse student population at JNTUA, including students from various parts of the state, different regions of India, and even international students, contributes to a multicultural environment on campus. This diversity enriches the university community by fostering cross-cultural interactions, promoting understanding, and preparing students for a globalized world. JNTUA's offering of a wide range of graduate and postgraduate programs in science and engineering disciplines reflects its commitment to providing comprehensive education in these fields. This diversity of programs caters to the varying interests and career aspirations of students, allowing them to choose the academic path that aligns with their goals.

JNTUA's well-equipped facilities, emphasis on ICT resources, multicultural environment, and diverse program offerings contribute to a holistic and inclusive educational experience for students, fostering their personal and academic growth.

Student Support and Progression

The Student Council at JNTUA indeed serves as a crucial platform for students and plays an important role in the functioning and coordination of various clubs and committees on campus. Their role as a link between

students and the university's management helps in effectively addressing student concerns, suggestions, and feedback. By facilitating communication, the Student Council contributes to the overall development and improvement of the campus environment. Additionally, the Student Council works towards enhancing the brand image of the university by organizing events, promoting student achievements, and showcasing the talents and capabilities of the student community. Their efforts help create a positive perception of the university and contribute to its reputation.

The Student Council also upholds the cultural and normative values of the university, ensuring that all events, activities, and interactions on campus align with the established culture and norms. This helps maintain a harmonious and respectful atmosphere for the student community, contributing to their overall well-being. Moving on to the Alumni Associations, their establishment at JNTUA plays a crucial role in fostering connections with alumni and exploring opportunities for mutual growth. These associations serve as a bridge between the university and its alumni, facilitating interactions, networking, and knowledge sharing.

Through alumni connect drives and events, the Alumni Associations create platforms for alumni to engage with current stakeholders such as students and faculty. This interaction allows for the exchange of ideas, experiences, and expertise, benefiting both the alumni and the current students. Another significant role of the Alumni Associations is fundraising for the development of the university. Alumni contributions, both financial and non-financial, have been instrumental in improving facilities, infrastructure, and resources at JNTUA. The support provided by the Alumni Associations has helped in upgrading facilities, expanding resources, and creating a better learning environment for students. The Student Council and Alumni Associations at JNTUA play important roles in facilitating student engagement, communication, and development. The Student Council acts as a platform for student representation and coordination, while the Alumni Associations foster alumni connections, raise funds, and promote mutual growth between the university and its alumni.

Governance, Leadership and Management

The vision and mission statements of JNTUA clearly demonstrate the university's aspirations and goals in various areas. The vision of becoming a world-class Technological University highlights JNTUA's ambition to excel in teaching, innovative research, and consultancy in engineering, science, technology, pharmaceutical science, and management. This vision reflects the university's commitment to academic excellence and its desire to empower stakeholders to compete on a global scale.

JNTUA's decentralized approach to academic and administrative activities is aimed at efficient management and execution of various functions. The establishment of academic and administrative committees ensures proper oversight, planning, and execution of the university's operations.

The systematic process followed by the university's office for making payments, including the preparation of vouchers with detailed expenditure and bank cheque information, reflects the importance placed on documentation and accountability. This process ensures transparency and proper financial management within the university.

Regular performance reviews are conducted to assess the effectiveness of teaching methodologies, curriculum design, and learning outcomes. These reviews enable the identification of areas for improvement and the implementation of necessary measures to enhance the quality of education. By prioritizing continuous improvement, JNTUA strives to deliver a high standard of education to its students. JNTUA's active encouragement of student participation in co-curricular and extracurricular activities reflects the university's

commitment to holistic development. By providing opportunities for students to showcase their talents and develop their leadership skills, JNTUA promotes a well-rounded education that goes beyond academics.

Engaging in co-curricular and extracurricular activities allows students to explore their interests, discover new talents, and develop valuable skills such as communication, teamwork, problem-solving, and time management. These activities also foster a sense of belonging and camaraderie among students, as they collaborate and work together towards shared goals. The university's emphasis on providing state-of-the-art infrastructural facilities is another important aspect. By continually augmenting infrastructure, JNTUA ensures that students and faculty have access to modern facilities, laboratories, libraries, and other resources necessary for effective teaching, learning, and research. This commitment to infrastructure development creates an enabling environment for academic and research activities. Overall, the vision and mission statements, along with the university's approach to academic and administrative activities, payment processes, performance reviews, and infrastructure development, demonstrate JNTUA's commitment to excellence in education, research, consultancy, and societal impact.

Institutional Values and Best Practices

JNTUA's initiatives to promote gender equity and create a supportive environment for female students reflect the university's commitment to inclusivity and addressing the specific needs of its diverse student population. By ensuring that female students feel supported and free from anxiety, stress, and loneliness, JNTUA aims to foster a positive and empowering university experience for them.

The university's recognition of diversity and its embrace of students from various backgrounds further contribute to an inclusive learning environment. The presence of faculty and staff members from different states and diverse backgrounds adds to the richness of perspectives and experiences available to students. This exposure to diversity enhances the educational journey of students and prepares them for a multicultural society.

The National Service Scheme (NSS) unit at JNTUA plays a significant role in promoting cleanliness and hygiene through Swachh Bharat initiatives. By organizing health camps, the unit also extends its support to the community by providing free health check-ups and medicines. These initiatives demonstrate the university's commitment to community engagement and social responsibility.

JNTUA's celebration of various commemorative days and religious festivals throughout the year further promotes inclusivity and cultural diversity. By acknowledging and appreciating significant national events and the contributions of scientists, athletes, teachers, mathematicians, and engineers, the university encourages a sense of unity and respect for different fields and achievements. In recognizing the religious and cultural diversity of its student body, JNTUA also observes various festivals and religious days. These include Durga Puja, Holi, Ganesh Chaturthi, Maha-Shiva Ratri, Basanta Panchami, Ram Navami, Janmasthanami, Good Friday, Diwali, Bonalu, Bathukamma, Id-Ul-Fitre, Id-Ul-Juha, Muharram, and Christmas, among many others. By observing these festivals, the university creates an inclusive environment where students from different backgrounds can celebrate and embrace their cultural heritage. The celebration of these commemorative days and festivals reflects the university's commitment to promoting cultural harmony, respect for diversity, and providing a vibrant and enriching educational experience for all its students. Overall, JNTUA's initiatives in promoting gender equity, embracing diversity, engaging in community service, and celebrating cultural and commemorative events contribute to creating a supportive and inclusive environment that enhances the educational experience for all students.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
Address	Sir Mokshagundum Visweswaraiah Road, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu
City	Anantapur
State	Andhra Pradesh
Pin	515002
Website	www.jntua.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	G. Ranga Janardhana	08554-272438	9440151031	-	vc@jntua.ac.in
IQAC / CIQA coordinator	G.v. Subba Reddy	08554-272437	9154872664	-	diqac@jntua.ac.in

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	18-08-2008
Status Prior to Establishment, If applicable	Constituent College
Establishment Date	10-06-1946

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC	10-02-2010	View Document
12B of UGC	10-02-2010	View Document

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	Sir Mokshagundum Visweswariah Road, Jawaharlal Nehru Technological University Anantapur, Ananthapura mu	Rural	69.44	22957.54	Ph.D		
<i>Institutes</i>	<i>The Principal, JNTUA College Of Engineering, Sir Moks hagundum Visweswarai ah Road,</i>	<i>Rural</i>	<i>116.7</i>	<i>138840</i>	<i>B.Tech , M.Tech, MCA</i>	<i>10-06-1946</i>	<i>10-02-2010</i>

	Anantapur 515 002 (C E A)						
Institutes	The Principal, JNTUA College Of Engineering Pulivendula, Mudanuru Road, Pulivendula, YSR District 516 390 (C E P)	Rural	173.97	43132	B.Tech, M.Tech	23-12-2005	10-02-2010
Institutes	The Principal, JNTUA College Of Engineering Kalikiri, Madanapalle Road, Kalikiri, Annamayya District 517 234 (C E K)	Rural	129.49	31415	B.Tech	02-01-2013	03-02-2013
Institutes	The Director, JNTUA Oil Technology Research Institute, Near Collecto	Urban	10.2	16723.2	B.Pharm, M.Pharm, M.Sc	26-08-1949	10-02-2010

	<i>r Office, Anantapur 515 002 (O T P R I)</i>						
<i>Institutes</i>	<i>The Head, J N T U A School Of Mana gement Studies, Sir Moks hagundu m Viswe swaraia h Road, Anantap ur 515 002 (S M S)</i>	<i>Rural</i>	<i>1</i>	<i>1879</i>	<i>M.B.A</i>	<i>09-11-2008</i>	<i>10-02-2010</i>

2.2 ACADEMIC INFORMATION

Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Engineering/Technology/Architecture/Design	22	53	75
Medicine & Surgery/Ayurveda/Unani/Homoeopathy/Health & Allied Sciences/Paramedical/Sciences	3	32	35
Business Administration/Commerce/Management/Finance	0	25	25

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	5
Affiliated Colleges	135
Colleges Under 2(f)	56
Colleges Under 2(f) and 12B	56
NAAC Accredited Colleges	32
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	25
Colleges with Postgraduate Departments	93
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	12

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes						
<table border="1"> <thead> <tr> <th>SRA program</th> <th>Document</th> </tr> </thead> <tbody> <tr> <td>AICTE</td> <td>113725_10726_1_1678109382.pdf</td> </tr> <tr> <td>PCI</td> <td>113725_10726_6_1685441210.pdf</td> </tr> </tbody> </table>	SRA program	Document	AICTE	113725_10726_1_1678109382.pdf	PCI	113725_10726_6_1685441210.pdf	
SRA program	Document						
AICTE	113725_10726_1_1678109382.pdf						
PCI	113725_10726_6_1685441210.pdf						

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	29				41				284			
Recruited	19	2	0	21	8	8	0	16	31	29	0	60
Yet to Recruit	8				25				224			
On Contract	0	0	0	0	0	0	0	0	140	96	0	236

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				597
Recruited	98	27	0	125
Yet to Recruit				472
On Contract	340	132	0	472

Technical Staff				
	Male	Female	Others	Total
Sanctioned				212
Recruited	58	2	0	60
Yet to Recruit				152
On Contract	124	28	0	152

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	23	0	0	9	8	0	27	25	0	92
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	4	0	7
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	0	0	0	33	17	0	51
M.Phil.	0	0	0	0	0	0	2	1	0	3
PG	0	0	0	0	0	0	106	83	0	189
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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	0	0	0	0
Adjunct Professor	0	0	0	0
Visiting Professor	1	0	0	1

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	NII	NII	NII

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	2697	0	0	0	2697
	Female	2259	0	0	0	2259
	Others	0	0	0	0	0
PG	Male	889	0	0	0	889
	Female	592	0	0	0	592
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	158	0	0	0	158
	Female	98	0	0	0	98
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No
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Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	13-07-2023
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Chemical Engineering C E A	View Document
Civil Engineering C E A	View Document
Civil Engineering C E K	View Document
Civil Engineering C E P	View Document
Computer Science And Engineering C E A	View Document
Computer Science And Engineering C E K	View Document
Computer Science And Engineering C E P	View Document
Electrical And Electronics Engineering C E A	View Document
Electrical And Electronics Engineering C E K	View Document
Electrical And Electronics Engineering C E P	View Document
Electronics And Communication Engineering C E A	View Document
Electronics And Communication Engineering C E K	View Document
Electronics And Communication Engineering C E P	View Document
Food Technology C E K	View Document
Food Technology O T P R I	View Document
Mechanical Engineering C E A	View Document
Mechanical Engineering C E K	View Document
Mechanical Engineering C E P	View Document
Pharmaceutical Science O T P R I	View Document
Research And Development J N T U A	View Document
School Of Management Studies S M S	View Document

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	JNTUA's embrace of the National Education Policy (NEP) reflects its commitment to providing high-quality education and preparing students to become well-rounded global citizens. The NEP's key principles, such as promoting diversity in curriculum and pedagogy, incorporating technology in teaching and learning, fostering logical decision-making and innovation, and encouraging critical thinking and
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creativity, are fundamental in shaping a modern and relevant education system. The emphasis on diversity in curriculum and pedagogy is essential in today's interconnected world, where students need to be exposed to a wide range of subjects and perspectives. By offering flexibility in choosing elective courses from other Departments, JNTUA empowers students to explore their interests and gain a comprehensive understanding of various disciplines. This interdisciplinary approach enriches their learning experience and equips them with the ability to tackle complex challenges with a holistic viewpoint. Incorporating technological innovations in teaching and learning is vital in preparing students for the digital era. By leveraging technology, JNTUA can enhance the effectiveness of its educational methods, encourage active engagement, and provide access to a wealth of educational resources. Embracing digital tools and platforms also enables students to develop skills relevant to the modern workforce, fostering their employability and adaptability. The focus on fostering logical decision-making and innovation equips students with problem-solving abilities. By encouraging creativity and critical thinking, JNTUA enables its students to become independent learners and analytical thinkers. These skills are not only valuable in academia but also in everyday life, enabling students to navigate challenges and make informed decisions. Encouraging independent thinking and allowing students to reach their own conclusions is a crucial aspect of education. JNTUA's approach empowers students to question, analyze, and form their own opinions, thereby promoting intellectual autonomy and a spirit of inquiry.

2. Academic bank of credits (ABC):

The Academic Bank of Credits is a revolutionary concept that aligns perfectly with the goals of the NEP, focusing on providing a learner-centric and flexible education system. The introduction of the Academic Bank of Credits empowers students to take charge of their education and tailor it to their unique interests and career aspirations. One of the most significant advantages of this system is the seamless credit transfer process. With the Academic Bank of Credits, students can easily transfer their earned credits to other institutions without losing their progress. This ensures that a change in educational path or moving to a different university does not

	<p>hinder a student's academic advancement. By allowing students to access their scores and handle online payments through the university portal, the system streamlines administrative processes. This convenience saves time and effort for both students and educational institutions. Students can readily view their academic progress, making it easier for them to track their achievements and set goals for the future. The online payment feature simplifies financial transactions, ensuring smooth fee payments and reducing administrative burdens for universities.</p>
<p>3. Skill development:</p>	<p>JNTUA's recognition of the diverse backgrounds and varying levels of students reflects its commitment to providing an inclusive and student-centric education. Understanding that students come from different socio-economic backgrounds and have varying levels of language proficiency, confidence, and learning abilities, the university aims to design approaches and activities that cater to individual needs. The integration of ICT-enabled tools into the teaching and learning process is a commendable step towards enhancing the learning experience. By leveraging digital platforms, online instructions, and recorded video classes, JNTUA ensures that students have access to educational content at their convenience, allowing them to learn at their own pace. This flexibility in learning not only accommodates students with different learning styles but also promotes self-directed learning and independent thinking. The emphasis on experiential learning is another essential aspect of JNTUA's approach. Experiential learning allows students to gain practical knowledge and hands-on experience, bridging the gap between theoretical concepts and real-world applications. This approach not only fosters a deeper understanding of the subject matter but also prepares students to face real-world challenges with confidence. The central library at JNTUA serves as a valuable resource hub for students and faculty members. Housing a vast collection of books, journals, research papers, and other scholarly materials, the library provides essential support to academic pursuits. Access to a wide range of resources empowers students and researchers to delve deep into their chosen fields and undertake research with a strong foundation of knowledge.</p>
<p>4. Appropriate integration of Indian Knowledge</p>	<p>The adoption of Indian languages and the offering of</p>

system (teaching in Indian Language, culture, using online course):	value-added certificate courses in many languages, JNTUA has made a commendable step towards preserving and promoting these languages. Language plays a crucial role in preserving culture, heritage, and knowledge, and by offering courses in regional Indian languages, the University is actively contributing to the preservation and propagation of linguistic diversity.
5. Focus on Outcome based education (OBE):	<p>The adoption of a diverse range of teaching methods at the University reflects its commitment to providing students with comprehensive and practical learning experiences. By incorporating lectures, seminars, tutorials, workshops, practical sessions, project-based learning, fieldwork, technology-enabled learning, internships, apprenticeships, and research work, the University ensures that students receive a well-rounded education that goes beyond traditional classroom learning. Lectures serve as a fundamental mode of knowledge dissemination, providing students with essential theoretical foundations. Seminars and tutorials encourage active participation, discussion, and critical thinking, allowing students to engage with the subject matter more deeply. Workshops and practical sessions offer hands-on learning opportunities, enabling students to apply theoretical knowledge in practical scenarios. Project-based learning fosters creativity, problem-solving, and teamwork, preparing students for real-world challenges where such skills are invaluable. The adoption of outcome-based education (OBE) is a progressive approach to curriculum design. By focusing on clearly stated Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and course outcomes, the University ensures that its educational programs are designed with specific goals and objectives in mind.</p>
6. Distance education/online education:	<p>The University's proactive response to the challenges posed by the COVID-19 pandemic is commendable. The pandemic necessitated a swift shift to online modes of teaching and learning to ensure the continuity of education. By successfully transitioning to online platforms, the University demonstrated its commitment to providing uninterrupted learning opportunities for its students. The availability of Wi-Fi throughout the college campus played a pivotal role in enabling seamless online education. Reliable internet connectivity allowed faculty and students to</p>

participate in virtual classrooms, access educational resources, and engage in interactive learning experiences without disruptions. This accessibility to Wi-Fi was crucial in ensuring that students from various backgrounds and locations could continue their education without facing connectivity issues. The adoption of various online platforms, such as apps, Google Classrooms, and WhatsApp, reflects the University's versatility and adaptability in leveraging digital technologies. These platforms offer a range of features that facilitate virtual communication, content sharing, and collaboration, replicating the classroom experience in an online setting. By using multiple platforms, the University catered to the diverse preferences and needs of students and faculty members, creating a more inclusive and engaging virtual learning environment

Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Yes, An Electoral Literacy Club is a valuable platform that serves to engage students and raise awareness about their electoral rights and responsibilities. Through interesting activities and hands-on experiences, the club aims to sensitize students to the importance of active participation in the electoral process, including voter registration and voting. The club's primary objective is to familiarize students with the electoral process and its significance in shaping the nation's democratic fabric. By engaging students in interactive and informative activities, the club fosters a sense of civic responsibility and encourages them to exercise their right to vote, which is a fundamental aspect of democratic citizenship.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes, the University appoints the co-ordinating faculty members and the student coordinator, and the ELCs are operational. ELCs do, in fact, serve as a representation Character</p>
<p>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,</p>	<p>The Institute's commitment to creating sensitization among students and employees about constitutional values, rights, duties, and responsibilities is commendable. Through a range of activities, the Institute aims to foster a strong sense of civic</p>

<p>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.</p>	<p>awareness and active citizenship among its community members. Conducting constitutional activities like Constitutional Day, Youth Day, and Voter's Awareness Program is an effective way to educate students and staff about the principles and significance of the Constitution. Constitutional Day, celebrated on 26th November each year, marks the adoption of the Constitution of India and serves as a reminder of its importance in shaping the country's governance and laws. By taking a pledge on this day, all students and staff members reaffirm their commitment to upholding the values enshrined in the Constitution. The Legal Awareness Program is an essential component of the Institute's efforts to enhance legal literacy among students and staff. It helps individuals understand their legal rights and responsibilities, ensuring that they are informed citizens capable of protecting their rights and seeking justice when needed. The presence of an Electoral Literacy Club (ELC) is a commendable initiative that reinforces the importance of voter awareness. The ELC provides a dedicated platform for conducting voter awareness programs, workshops, and interactive sessions</p>
<p>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.</p>	<p>The ELC pursues projects that are socially relevant to election-related issues, including awareness campaigns, producing content, and publishing materials that showcase their commitment to strengthening democratic principles and involvement in political processes. ? To guarantee that the intended audience exercises their right to vote in a self-assured, relaxed, and morally responsible way by educating them on the importance of their vote. ? To promote educated, ethical voting and uphold the principles of "Every vote counts" and "No Voter to be Left Behind" by creating a culture of civic engagement.</p>
<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>Students over the age of 18 who must register as voters are educated about their democratic rights, which include the right to vote in elections. To provide a hands-on introduction to the democratic system, mock elections etc. We also run events that raise understanding of the electoral process, such as debates, mock parliaments, elocution, essay writing, and poster presentations.</p>

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
53	52	50	48	46
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 20

2 Students

2.1

Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
6264	6208	5875	5537	5381
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
1402	1313	1374	1322	1302
File Description		Document		
Institutional data in prescribed format		View Document		

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
5645	5732	5381	5069	4728
File Description		Document		
Institutional data in prescribed format		View Document		

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

2021-22	2020-21	2019-20	2018-19	2017-18
38	89	108	86	56

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
3010	2363	2161	2144	2065
File Description		Document		
Institutional data in prescribed format		View Document		

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

2021-22	2020-21	2019-20	2018-19	2017-18
333	326	353	354	348
File Description		Document		
Institutional data in prescribed format		View Document		

3.3

Number of sanctioned posts year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
354	354	354	354	354
File Description		Document		
Institutional data in prescribed format		View Document		

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
33823	32131	35514	33028	30441
File Description		Document		
Institutional data in prescribed format		View Document		

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
1176	1181	1133	1073	1011
File Description		Document		
Institutional data in prescribed format		View Document		

4.3**Total number of classrooms and seminar halls****Response: 134****4.4****Total number of computers in the campus for academic purpose****Response: 2266**

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
2739.00	3290.00	2908.00	2909.00	2007.00

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:

Curriculum 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.

Jawaharlal Nehru Technological University Anantapur (JNTUA) offers a wide range of programs in various disciplines. The university's curriculum is designed to cater to the current trends and needs of the nation, with a focus on technology, entrepreneurial skill development, and interdisciplinary knowledge dissemination. The curriculum at JNTUA is implemented and delivered effectively through a well-structured mechanism. The university takes pride in regularly reviewing and updating its curriculum to ensure its relevance in society. For undergraduate (UG) programs, the curriculum is reviewed every four years, while for postgraduate (PG) programs, it is reviewed every two years. This proactive approach helps in keeping the curriculum socially relevant, job-oriented, and aligned with the evolving needs of students and other stakeholders.

By regularly updating the curriculum, JNTUA aims to provide students with advanced knowledge and equip them with the skills required to excel in their chosen fields. The university strives to create a conducive learning environment that promotes excellence and prepares students for successful careers in engineering, technology, science, management, and humanities.

Jawaharlal Nehru Technological University Anantapur (JNTUA) has implemented a comprehensive set of features and components within its curriculum for undergraduate (UG) programs. The programs offered for UG at JNTUA follow the Choice Based Credit System (CBCS), which allows students to have flexibility in choosing their courses based on their interests and aptitudes. This system enables students to select from a range of Open Electives, Professional Electives, and interdisciplinary/multidisciplinary electives. This choice empowers students to tailor their education to align with their career aspirations and expand their knowledge in diverse areas.

The curriculum also includes Project Work, Industry Training/Internship/Industry Oriented Mini Project, and Skill Development Courses. These components provide students with practical exposure and the opportunity to apply their theoretical knowledge in real-world settings. It helps them develop industry-relevant skills and gain hands-on experience, thereby enhancing their employability.

JNTUA places importance on holistic development by incorporating value-added courses in Engineering, Sciences, Humanities, communication skills, and skill development programs. These courses focus on

enhancing the overall personality, communication abilities, and global exposure of students.

The university emphasizes the implementation of the Outcome-Based Education (OBE) approach. The Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are designed in alignment with the desired graduate attributes of each program. Faculty members receive extensive training and workshops on OBE to effectively formulate and align these outcomes.

JNTUA recognizes the importance of online learning and offers students the option to choose online elective courses, including those available through MOOCs (Massive Open Online Courses), particularly from platforms like SWAYAM. This integration of online courses into the academic structure allows students to access a wide range of courses and expand their knowledge beyond the traditional classroom. Overall, JNTU's curriculum for UG programs is designed to provide students with a well-rounded education, encompassing theoretical knowledge, practical experience, industry exposure, interdisciplinary learning, and the flexibility to shape their learning journey based on their interests and aspirations.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2

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

Response: 100

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

Response: 53

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

Response: 53

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Details of Programme syllabus revision in last 5 years	View Document

1.1.3

Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years**Response:** 77.39

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
1943	1861	1850	1743	1585

File Description**Document**

Programme/ Curriculum/ Syllabus of the courses

[View Document](#)

Institutional data in prescribed format

[View Document](#)**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:** 23.01

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

Response: 2702

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

Response: 11743

File Description**Document**

Institutional data in prescribed format

[View Document](#)**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:** 100

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

Response: 53

File Description	Document
Institutional data in prescribed format	View Document

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:**

Institution integrates cross cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Jawaharlal Nehru Technological University Anantapur (JNTUA) is committed to equipping its students with not only academic knowledge but also essential life skills, values, and sensitivity needed for successful citizenship. The university has strategically designed its curriculum to encompass a wide range of courses that integrate cross-cutting issues of utmost importance, such as gender, environment and sustainability, human values, and professional ethics. This proactive approach aims to foster a well-rounded education that goes beyond mere technical expertise, empowering students to become responsible and empathetic individuals who can contribute positively to society.

JNTUA believes in the power of education to shape the character and outlook of its students. By incorporating topics that revolve around gender, the university aims to raise awareness about gender equality and the importance of treating all individuals with respect and dignity. This approach helps break down stereotypes and prejudices and creates a more inclusive and equitable learning environment.

The focus on environment and sustainability is timely and crucial, considering the challenges posed by climate change and environmental degradation. JNTUA recognizes that engineers and technologists have a significant role to play in promoting sustainable practices and finding innovative solutions to environmental problems. By integrating sustainability-related courses into the curriculum, the university encourages students to think critically about their role in protecting the planet and fostering sustainable development.

Human values and professional ethics are foundational pillars that guide students' conduct throughout their lives. JNTUA believes that instilling strong ethical principles is essential to produce professionals who not only excel in their respective fields but also uphold honesty, integrity, and accountability in their actions. By weaving these values into the fabric of education, the university prepares students to become responsible and morally conscious leaders.

To bridge the gap between theory and practice, JNTUA takes proactive measures through outreach programs. The university organizes gender sensitization programs to create awareness about gender-

related issues, encouraging a safe and supportive atmosphere for all students. Such initiatives promote a more inclusive campus culture, where diversity is celebrated, and everyone feels valued and respected.

JNTUA's mission to provide comprehensive education goes beyond conventional academics. By focusing on gender, environment, sustainability, human values, and professional ethics, the university shapes well-rounded individuals capable of making a positive impact in society. The integration of theory with practice through outreach programs further strengthens the university's commitment to nurturing responsible and empathetic citizens who will contribute meaningfully to the betterment of the world. Through its forward-thinking approach to education, JNTUA sets an inspiring example for other institutions to follow in promoting holistic student development.

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	View Document

1.3.2

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

Response: 106

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

Response: 106

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3

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

Response: 7.51

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
834	36	438	479	407

1.3.4

Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

Response: 44.72

1.3.4.1 Number of students undertaking field projects or research projects or internships.

Response: 2801

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	View Document
Any additional information	View Document

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	View Document
Institutional data in prescribed format	View Document

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
Institutional data in prescribed format	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Demand Ratio (Average of last five years)

Response: 15.74

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
2181	2251	2133	2025	1905

File Description

Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

• Any additional information

[View Document](#)

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: 111.74

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
1251	1401	1263	1164	1150

File Description

Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

Any additional information

[View Document](#)

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:

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

JNTUA (Jawaharlal Nehru Technological University Anantapur) recognizes the diverse backgrounds and varying levels of students and strives to design student-centric approaches and activities to address their individual requirements. The university acknowledges that students come from different socio-economic backgrounds and have different levels of language proficiency, confidence, competency, and learning abilities.

To cater to the needs of slow learners, JNTUA implements certain identification processes at different levels of study. At the first-year level, slow learners are identified based on their scores in the Intermediate/10+2 examination and their rank in the EAPCET entrance examination. By assessing these results, the university can identify students who may require additional support or intervention.

The identification of slow learners involves identifying their weaknesses, such as their lack of self-directing learning skills or their tendency to learn slowly and forget quickly. This identification helps in understanding the specific areas in which these students may need assistance.

At the second-year level, the focus remains on academic orientation, and efforts are made to support the progress and improvement of the students. The university likely implements specific interventions and support mechanisms to help these students overcome their challenges and enhance their academic performance. By adopting student-centric approaches and identifying slow learners, JNTUA aims to provide personalized attention, guidance, and support to help these students succeed academically. The university recognizes that every student has unique needs and strives to create an inclusive learning environment that supports the growth and development of all students, regardless of their academic pace or background.

At the third-year, final-year, and postgraduate levels, JNTUA continues to identify slow learners through various methods. These methods include:

- Performance in university examinations of previous semesters and internal examinations: The academic performance of students in previous semesters and internal examinations is assessed to identify those who may be struggling or performing below expectations.
- Oral questioning and observation of responses: Faculty members may pose oral questions to students and observe their responses in terms of understanding, clarity, and depth of knowledge. This can help identify students who may have difficulty grasping concepts or expressing themselves effectively.
- Class attendance and attentiveness: Monitoring students' attendance and level of engagement in

class can provide insights into their commitment to learning. Persistent low attendance or lack of attentiveness may indicate that a student is struggling academically.

At this stage, the focus is on career orientation, and additional methods are implemented to identify slow learners:

- **Intelligence tests:** Conducting intelligence tests helps assess students' cognitive abilities and identify those who may require additional support.
- **Aptitude tests:** Aptitude tests are administered to assess students' natural abilities and talents in specific areas. This information can guide the university in providing appropriate guidance and support for career development.
- **Communication, group discussions, and presentation skills:** Assessing students' communication skills, their ability to participate effectively in group discussions, and their presentation skills helps identify areas where they may need improvement or additional assistance.

By employing these identification methods, JNTUA aims to identify slow learners at different stages of their academic journey and provide targeted support and interventions. This approach helps in nurturing students' talents, enhancing their academic performance, and preparing them for successful careers.

File Description	Document
Upload Any additional information	View Document
Paste link for additional information	View Document

2.2.2

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

Response: 18.81

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 teaching-learning process at JNTUA is considered one of the major strengths of the university. It focuses on creating a student-centric and rewarding learning experience by incorporating a blend of traditional and modern teaching methods. To promote experiential learning, JNTUA organizes various activities and opportunities for students, including:

- **Field/Industrial Visits:** Students have the chance to visit industrial sites, allowing them to observe real-world applications of their theoretical knowledge and gain practical insights into their chosen

fields.

- **Industry-Oriented Internships:** JNTUA facilitates internships with reputed companies. These internships provide students with valuable industry exposure and help them apply their skills in a professional setting.
- **Major and Mini Projects:** Students are involved in major and mini projects, which allow them to delve deeper into specific topics, conduct research, and develop problem-solving abilities.
- **Seminars, Workshops, and Hackathons:** JNTUA organizes and encourages students to participate in seminars, workshops, and hackathons. These events provide opportunities for knowledge-sharing, skill development, and collaboration among students, faculty, and industry experts.
- **Professional Body Chapter Activities:** JNTUA supports student chapters of professional bodies. These chapters organize activities such as technical events, lectures, competitions, and networking opportunities, enriching students' learning experiences.

JNTUA also encourages students to undertake value-added courses and MOOCs (Massive Open Online Courses) as part of their curriculum. These courses provide students with opportunities to learn from eminent lecturers from renowned institutions. Students can earn credits for completing these courses, which are considered in awarding their degrees.

By incorporating these activities, industry collaborations, and opportunities for additional learning, JNTUA ensures that students receive a well-rounded education that prepares them for the demands of the professional world. The university's focus on practical experiences, industry exposure, and continuous learning enhances the overall learning journey for its students.

JNTUA emphasizes participative learning methods to actively engage students in the learning process and develop their technical and communication skills. Some of the participative learning approaches employed by teachers include:

Role-plays and Seminars by Students: Students are encouraged to organize and participate in seminars where they can present and discuss their ideas, research findings, and technical knowledge. This fosters their confidence, presentation skills, and ability to engage in scholarly discussions.

Techno-cultural Fests: JNTUA organizes annual techno-cultural fests where students are motivated to design and demonstrate their own models, participate in paper and poster presentations, and showcase their technical and creative talents. These events provide platforms for students to apply their theoretical knowledge practically and enhance their technical and communication skills.

To promote social responsibility and holistic development, JNTUA encourages students to participate in National Service Scheme (NSS) activities. NSS engages students in socially responsible events, helping them develop life skills and a sense of civic duty. Regular quizzes are conducted at both undergraduate and postgraduate levels to enhance students' proficiency in technical, soft, and communicative skills. This practice supports continuous learning and skills development.

JNTUA provides free internet access to all students on campus, promoting self-learning and facilitating discussions in knowledge and technology-sharing forums. The university utilizes ICT-enabled tools such as digital libraries, centralized 24x7 computer centers, online journals, and online tests to enhance the teaching-learning process. Overall, JNTUA leverages a wide range of participative learning methods, ICT-enabled tools, industry collaborations, and social responsibility initiatives to create a dynamic and enriching learning environment for its students.

File Description	Document
Upload any additional information	View Document
Link for Additional Information	View Document

2.3.2

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

Response:

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

JNTUA recognizes the importance of integrating ICT-enabled tools into the teaching and learning process to provide students with enhanced learning experiences. The university ensures that students are exposed to experiential learning and stay updated with global developments in their respective fields. Faculty members at JNTUA employ a combination of ICT-enabled tools and conventional teaching methods to engage students and promote long-term learning. These tools include digital platforms, online instructions, and recorded video classes, which provide students with flexibility in accessing educational content and learning at their own pace.

In addition to traditional classrooms, seminar halls at JNTUA are equipped with digital technology, allowing students to attend guest lectures, expert presentations, and hands-on events regularly. These interactions provide students with valuable insights from industry experts, helping them bridge the gap between academia and the professional world.

It is important to note that the COVID-19 pandemic has significantly influenced the education landscape, prompting a shift towards e-learning. JNTUA has adapted to this change by incorporating online instructions and digital platforms for delivering educational content. Recorded video classes are shared with students, allowing them to access and learn from these resources at their convenience.

By embracing ICT-enabled tools, maintaining student-centric learning methods, and facilitating advanced technological skills, JNTUA aims to equip students with the necessary technical expertise and adaptability to thrive in a globalized and digitalized world. The university's commitment to industry interactions and its utilization of digital platforms reflect its dedication to providing students with holistic and relevant education. JNTUA recognizes the importance of collaborations and partnerships with government and non-government agencies to benefit its students. The university has established many Memorandums of Understanding (MOUs) with these agencies, creating opportunities for students to gain practical exposure and industry insights.

In order to enhance the teaching and learning process, each department at JNTUA is equipped with smart classrooms. These smart classrooms are equipped with audio-visual facilities, enabling effective online classes and interactive learning experiences. To facilitate the use of ICT tools, JNTUA provides full-fledged internet and Wi-Fi facilities throughout the campus. This ensures that students have access to

digital resources and can utilize online platforms for learning and research purposes.

The university libraries at JNTUA are well-equipped with a learning management system. This system enables the distribution of physical books to students and also provides access to e-journals and e-content through digital platforms. This allows students to access a wide range of academic resources for their studies. JNTUA also provides a centralized computer lab that is accessible 24x7 for students. This lab allows students to access e-content, software, and other digital resources required for their coursework and research. For the safety and security of staff and students, surveillance cameras are installed throughout the campus. These cameras help monitor the premises and ensure a safe learning environment.

By integrating technology, providing internet and Wi-Fi access, and implementing surveillance measures, JNTUA aims to create an environment conducive to effective teaching, learning, and overall campus safety. The university's commitment to technological advancements and infrastructure development contributes to a positive educational experience for its students.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3

Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 18.81

2.3.3.1 Number of mentors ?????????????? ????????

Response: 333

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1

Average percentage of full time teachers against sanctioned posts during the last five years

Response: 96.84

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

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: 37.74

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
143	136	132	122	112

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	View Document
Any additional information	View Document

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: 9.68

2.4.3.1 Total experience of full-time teachers

Response: 3224

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document
Any additional information	View Document

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: 19.25

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
12	16	13	12	13

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

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: 65.96

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
41.96	46.90	87.96	84.89	68.1

File Description	Document
List of Programmes and date of last semester and date of declaration of results	View Document
Any additional information	View Document

2.5.2

Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 1.36

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
34	87	106	81	52

File Description	Document
Number of complaints and total number of students appeared year wise	View Document

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:

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

The University examination branch at JNTUA has successfully implemented IT integration for all examination-related activities, including pre-examination and post-examination processes. This integration has streamlined various processes and improved efficiency. To ensure quality question papers, subject experts of relevant courses are identified for paper setting, and their contributions are collected online. The question papers are then moderated by these subject experts to maintain the desired standards.

For the distribution of electronic question papers, the university has established the EDEP (Electronic Distribution of Examination Papers) system. This system, implemented as a first-of-its-kind in the

university, electronically distributes question papers to the designated recipients through a VPN (Virtual Private Network) system. This technology-enabled approach ensures secure and efficient delivery of question papers. The enrolment process for examinations is conducted online, allowing students to register for their respective exams conveniently. Hall tickets, containing details such as exam dates, timings, and examination centers, are issued to the students through online mode.

To further streamline the examination process, details of registered students and the corresponding time tables are printed on the answer booklets in advance. This simplifies the distribution of answer booklets during the examination, saving time and reducing administrative burdens. In order to accommodate students who were unable to appear for internal examinations due to various reasons, the university has introduced Computer-Based Tests (CBT) conducted through an online mode. This allows these students to complete their assessments using computer-based platforms. During the evaluation process, evaluators directly input question-wise marks into the database, ensuring accurate and efficient recording of evaluation results.

By leveraging IT integration, JNTUA has transformed various aspects of the examination process, making it more convenient, efficient, and transparent. The use of online systems, electronic distribution of question papers, and computer-based assessments contribute to a streamlined and technology-driven examination ecosystem. At JNTUA, the results of examinations are processed and published through the examination portal, providing students with convenient access to their results. The university's web portal serves as a platform for students to directly view and access their examination results.

The examination portal also offers additional student services related to exams. These services may include pre and post-convocation services, online certificate verification, results verification, access to previous question papers, syllabus and regulations, and a platform for addressing student grievances. Students can avail themselves of these services through the examination portal.

Furthermore, JNTUA facilitates the online application and retrieval of student transcripts. By applying through the online mode, students can request their transcripts, which are official academic records of their coursework and achievements during their time at the university. The availability of an examination portal and online services not only provides convenience to the students but also streamlines administrative processes and improves accessibility to essential documents and information related to examinations and academic records.

File Description	Document
Year wise number of applications, students and revaluation cases	View Document
Link for additional information	View Document

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	View Document
Current Manual of examination automation system	View Document

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:

The JNTUA University has transitioned from a teacher-centric approach to a student-centric approach by adopting the Outcome Based Education (OBE) system across all its programs. The Directorate of Academic and Planning plays a crucial role in implementing the OBE system. They form a Board of Studies (BOS) consisting of a diverse group of academicians, researchers, alumni, senior faculty members, and industry representatives, including experts from prestigious institutions.

The BOS members collaborate to design the curriculum for each program in alignment with the Program Outcomes (POs). These POs reflect the institute's vision, mission, and strategies, as well as the guidelines provided by the University Grants Commission (UGC) regarding graduate attributes. The curriculum development process also takes into consideration the inputs and feedback from various stakeholders.

In addition to the POs, each program has defined Program Educational Objectives (PEOs) that describe the expected accomplishments of graduates within a few years after graduation. These PEOs are closely connected to the development of competencies, as reflected in the Program Outcomes (POs) and Program Specific Outcomes (PSOs).

By adopting the OBE system, JNTUA University ensures that the curriculum is designed to equip students with the necessary knowledge, skills, and competencies required to achieve their Program Educational Objectives. The focus on outcomes allows the university to align its programs with the evolving needs of industries and society, and to provide students with a holistic and industry-relevant education.

The JNTUA University recognizes the importance of program-specific outcomes (PSOs) in defining the vision, mission, and scope of each program. The concerned departments, in collaboration with the faculty members, design the PSOs that are specific to their program. These PSOs outline the specific outcomes and achievements that students are expected to attain upon completion of the program.

In addition to PSOs, the course outcomes (COs) are formulated by the department in consultation with the course teachers. These COs are designed to address the cognitive, affective, and psychomotor learning levels expected from the students in each course. The COs define the specific knowledge, skills, and competencies that students should acquire through their coursework.

To ensure effective dissemination and awareness of the POs, PSOs, and COs, JNTUA employs various communication channels. These include the university website, curriculum and regulation books, classroom displays, department notice boards, laboratory materials, library resources, student induction programs, interactions with employers, alumni meetings, and professional body meetings. Through these channels, students are informed about the desired outcomes of their programs and the specific competencies they are expected to develop.

The course delivery and assessment methods are designed in a manner that aligns with the stated objectives and outcomes. The university follows the Choice Based Credit System (CBCS), which provides students with the flexibility to choose courses based on their interests and career goals. This flexibility is facilitated through the selection of courses from professional elective and open elective groups, allowing students to personalize their learning experience and explore areas of interest beyond the core curriculum.

By incorporating PSOs, COs, and the CBCS, JNTUA University aims to provide a well-rounded education that meets the diverse needs and aspirations of its students, while ensuring alignment with the program objectives and desired learning outcomes.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Paste link for Additional Information	View Document

2.6.2

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

Response:

Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The institution has a robust system in place to evaluate and communicate the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) to the students. By actively measuring the attainment of these outcomes, the institution can assess the effectiveness of its educational programs and make improvements as needed.

The fact that the strength of students and passing percentage is increasing progressively indicates that the

institution's efforts in aligning the curriculum with the desired outcomes are yielding positive results. This improvement in performance reflects the institution's commitment to providing quality education and ensuring that students are well-prepared for their future endeavors.

The significant increase in students' progression to higher studies, from Undergraduate to Postgraduate levels, is a testament to the quality of education provided by the institution. It indicates that the academic foundation laid during the undergraduate years is strong enough to enable students to pursue advanced studies successfully. This positive trend also reflects the institution's dedication to fostering an environment that promotes continuous learning and intellectual growth. The mechanism employed by the university to measure the attainment of POs, PSOs, and COs appears systematic and well-organized. By following the Academic Calendar and maintaining an Academic Diary, the institution ensures that records are well-documented and easily accessible for evaluation purposes.

The preparation of Semester-Wise evaluation Reports by subject teachers enables a detailed analysis of student performance at various stages of the academic year. This allows the institution to identify areas where improvement may be needed and make timely interventions to enhance the learning experience.

The involvement of an Internal Examination Committee in analyzing the evaluation reports of results adds an element of objectivity and impartiality to the assessment process. It helps ensure that the evaluation of student performance is consistent and fair.

By considering feedback from stakeholders, such as students, faculty, and employers, the institution demonstrates its commitment to being responsive to the needs and expectations of those it serves. Stakeholder feedback is invaluable in identifying strengths and weaknesses in the educational programs and helps in making data-driven decisions for continuous improvement.

The involvement of the Placement Committee in reviewing students' progression and placement outcomes indicates that the institution is actively concerned with students' employability and future career prospects. This demonstrates a student-centric approach that seeks to prepare students not only for academic success but also for successful careers beyond graduation. The institution's focus on measuring and improving the attainment of POs, PSOs, and COs reflects a dedication to providing quality education and ensuring that students are well-equipped for the challenges of the future. By employing a systematic and comprehensive approach, the institution can continue to enhance the learning experience and contribute to the academic and personal growth of its students.

File Description	Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

2.6.3

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

Response: 84.8

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

Response: 1389

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

Response: 1638

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	View Document
Upload any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.62

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:

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

JNTUA University places a strong emphasis on research and provides support and resources for faculty members to engage in research activities. The university encourages faculty members to pursue research in their respective fields of study and work, publish research papers, and organize workshops related to innovation and research.

To facilitate research, the university regularly updates its research facilities to incorporate the latest technological developments. Each department has its own dedicated research laboratory, equipped with advanced research equipment that goes beyond the requirements of the curriculum. These research laboratories provide the necessary infrastructure for faculty members and students to conduct research experiments and investigations.

The university actively supports faculty members in applying for various project funding schemes offered by government agencies such as AICTE (All India Council for Technical Education), DST (Department of Science and Technology), UGC (University Grants Commission), DRDO (Defence Research and Development Organisation), and DBT (Department of Biotechnology). These project grants provide financial support to faculty members for their research projects and enable them to acquire modern equipment and resources necessary for their research work. These earmarked funds are utilized to establish research facilities in specific areas of research, further promoting the university's focus on need-based research.

The availability of advanced research equipment, research grants from various agencies, and the support provided by the university enable faculty members to conduct high-quality research and contribute to the advancement of knowledge in their respective fields. This research-oriented environment benefits not only the faculty members but also the students, as they have the opportunity to engage in research projects and gain practical research experience during their academic journey at JNTUA University.

JNTUA University recognizes the importance of social responsibility and actively encourages the participation of its students and faculty in socially useful activities. These activities are aimed at contributing to the overall upliftment of society and promoting well-being. The university provides financial support for the conduction of faculty development programs, seminars, conferences, and workshops in emerging areas of technology. These initiatives help in enhancing the knowledge and skills of the faculty members, keeping them updated with the latest developments in their respective fields.

JNTUA is also involved in various research projects funded by government and non-government

agencies. Faculty members play crucial roles as supervisors or Principal Investigators (PI) in these projects. This involvement in research projects allows faculty members to contribute to the advancement of knowledge and address real-world challenges through their research work.

By actively supporting faculty development and research projects, JNTUA University fosters an environment that promotes continuous learning, innovation, and engagement with the community. These initiatives contribute to the overall growth and development of the faculty members and enable them to make meaningful contributions to society.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2

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

Response: 2.12

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
10.6	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document

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: 0.06

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
0	0	0	0	1

File Description**Document**

Institutional data in prescribed format

[View Document](#)

e-copies of the award letters of the teachers

[View Document](#)**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:** 17**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
9	2	1	2	3

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)**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	View Document

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: 45

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: 9

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document

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: 0

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
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

3.2.2

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

Response: 230.52

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
18.59	65.06	49.67	50.11	47.09

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document

3.2.3

Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 0.48

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

Response: 32

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

Response: 333

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document

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:

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

Jawaharlal Nehru Technological University Anantapur (JNTUA) stands as an institution that fosters innovation and prioritizes human resource development. The university actively encourages and supports students with innovative ideas, providing them with the necessary resources to nurture their creativity. One of the significant aspects of human resource development at JNTUA is the technological collaboration facilitated by the IT cells among all its units. This collaboration ensures seamless communication and exchange of knowledge, enabling students and faculty to stay updated with the latest technological advancements.

To channel the potential of young students effectively, the university takes pride in its excellent faculty members. Each department boasts a mix of young and vibrant educators alongside renowned and distinguished experts at the senior level. This combination creates a conducive learning environment, where students benefit from the expertise of experienced faculty members while being inspired by the energy and fresh ideas of the younger ones.

JNTUA believes in continuous learning and knowledge enhancement. To achieve this, the university regularly organizes various events such as seminars, public lectures, conferences, and outreach programs. These events help students and faculty to stay abreast of domain-specific developments and foster a culture of lifelong learning.

The university's library management system is efficient, ensuring that all books, e-papers, and related activities are well-organized and easily accessible to students and faculty. A well-equipped library plays a crucial role in supporting research and academic endeavors.

In their pursuit of research excellence, JNTUA receives funding from various extramural sources like DRDO (Defence Research and Development Organization), CSIR (Council of Scientific and Industrial Research), and others. This financial support enables the university to create an environment conducive to cutting-edge research and further studies. JNTUA's commitment to innovation, human resource development, and academic excellence is evident through its collaborative culture, knowledgeable faculty, continuous learning opportunities, and dedicated research support. By fostering a dynamic and nurturing academic ecosystem, the university plays a vital role in shaping the minds of young learners, preparing them to become future leaders and contributors to society.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.3.2

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

Response: 149

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
25	24	55	28	17

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.3

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

Response: 64

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
14	13	12	12	13

File Description	Document
Institutional data in prescribed format	View Document
e- copies of award letters	View Document

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	View Document
Any additional information	View Document

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: B.. 3 of the above

File Description	Document
Institutional data in prescribed format	View Document
e- copies of the letters of awards	View Document

3.4.3

Number of Patents published / awarded during the last five years.

Response: 99

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
55	28	6	4	6

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

3.4.4

Number of Ph.D's awarded per teacher during the last five years.

Response: 8.31

3.4.4.1 How many Ph.D's are awarded within last five years.

Response: 457

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

Response: 55

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

3.4.5

Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 8.68

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
739	522	543	611	559

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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: 0.59

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
52	63	56	15	17

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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: D. Any 2 of the above

File Description	Document
Institutional data in prescribed format	View Document
Give links or upload document of e-content developed	View Document

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: 4.64

3.4.9

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

Response: 34

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:

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

JNTUA has implemented a faculty-friendly Consultancy policy that promotes revenue sharing between the University and the teaching and non-teaching staff of various departments. This policy encourages faculty members to take up consultancy assignments from different government and private agencies. The Consultancy Policy aims to leverage the expertise of faculty members and apply it to practical problems faced by the industry and research laboratories. By engaging in consultancy projects, faculty members can contribute their knowledge and skills to address real-world challenges and provide valuable insights and solutions.

To ensure the smooth implementation of the Consultancy Policy, JNTUA has established a structured committee. This committee consists of key members such as the vice chancellor as the chairman, Director (BICS) as the convenor, Registrar, Rector, Principals of various units, and Directors of all the sections. The committee is responsible for approving consultancy projects, providing guidance, and overseeing the overall consultancy process.

The Consultancy Policy at JNTUA creates a conducive environment for faculty members to engage in

consultancy work, collaborate with industry and research organizations, and contribute to the practical application of their expertise. It benefits both the faculty members and the stakeholders involved by fostering knowledge transfer, industry-academia collaboration, and overall professional development.

Under the faculty-friendly Consultancy policy at JNTUA, the revenue earned from consultancy projects is shared between the faculty members involved and the university, following the norms specified in the policy. The policy ensures that the consultancy fee covers the expenses incurred for field visits, testing, and other project-related costs. After deducting the various expenses, the university's share of the revenue is utilized for procuring and establishing the necessary equipment required for research purposes. On the other hand, the faculty's share is disbursed to the teaching/supporting staff, Coordinator, Head of the department, and Principal/Director as per the policy guidelines.

The Investigator/Coordinator is given full freedom to utilize the overheads generated from the consultancy project. This allows for flexibility in allocating resources to support the project and enhance its effectiveness.

The consultancy services offered by JNTUA span various areas, including structural designing, testing of concrete structures, soil testing, software development, design and evaluation of tractor trailers, electrical engineering, metallurgical engineering, and many other projects requested by industries. These services cater to the specific needs of industries and involve applying the expertise of faculty members to provide solutions, testing, and evaluation in their respective fields.

Through these consultancy projects, JNTUA contributes to industry development, provides practical solutions to real-world problems, and strengthens its collaboration with industries and organizations.

File Description	Document
Upload soft copy of the Consultancy Policy	View Document
Paste URL of the consultancy policy document	View Document

3.5.2

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

Response: 122.71

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
11.01	12.08	6.06	76.81	16.748

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document

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:

Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

Jawaharlal Nehru Technological University Anantapur (JNTUA) has taken significant initiatives in organizing awareness programs related to various community-focused topics. These programs are designed to educate and empower the community on important matters such as the Indian Constitution, environmental sustainability through plantation programs, and awareness about government welfare programs and educational opportunities.

1. Importance of Indian Constitution:

JNTUA's awareness programs about the Indian Constitution aim to educate individuals about the fundamental principles, rights, and responsibilities enshrined in the Constitution of India. These programs likely include workshops, seminars, and discussions led by legal experts, scholars, and social activists. Participants would learn about the significance of various constitutional provisions, the democratic framework of the country, and the role of citizens in upholding the constitutionally guaranteed rights and values.

2. Plantation Programs for Environmental Sustainability:

Environmental sustainability is a crucial global concern, and JNTUA's efforts in organizing plantation programs demonstrate its commitment to addressing this issue. These programs would involve planting trees, shrubs, and other vegetation to promote biodiversity and combat deforestation. JNTUA encourages active participation in preserving the environment for future generations.

3. Awareness on Government Welfare Programs:

Government welfare programs are designed to uplift the socio-economic status of underprivileged individuals and communities. JNTUA's awareness programs likely focus on informing people about

various welfare schemes such as scholarships, financial aid, healthcare initiatives, and employment opportunities. By disseminating accurate and accessible information, JNTUA helps eligible individuals avail these programs, thereby improving their quality of life.

4. Admissions in Higher Institutes (IITs, IIMs, AIIMS, etc.):

Educational opportunities are essential for personal growth and community development. JNTUA's awareness programs inform students and parents about the admission processes, eligibility criteria, and benefits of pursuing higher education in prestigious institutions like the Indian Institutes of Technology (IITs), Indian Institutes of Management (IIMs), and All India Institutes of Medical Sciences (AIIMS). These programs include career counseling sessions, workshops on exam preparation, and guidance on navigating the application procedures effectively.

In summary, JNTUA's commitment to community-focused awareness programs highlights its dedication to enhancing various aspects of society. By educating individuals about the Indian Constitution, promoting environmental sustainability, and providing information about government welfare programs and educational opportunities, the university contributes to the holistic development of the community and empowers individuals to make informed choices for their betterment.

File Description	Document
Upload any additional information	View Document

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: 64

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
18	12	10	15	9

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document

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: 258

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
87	49	41	39	42

File Description**Document**

Reports of the event organized

[View Document](#)

Institutional data in prescribed format

[View Document](#)

3.6.4

Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 92.99

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
6264	5641	4712	5197	5381

File Description**Document**

Report of the event

[View Document](#)

Institutional data in prescribed format

[View Document](#)

3.7 Collaboration**3.7.1**

Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship

per year

Response: 5

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
3	2	4	2	14

File Description

Document

Institutional data in prescribed format

[View Document](#)

Copies of collaboration

[View Document](#)

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: 32

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
9	6	8	5	4

File Description

Document

Institutional data in prescribed format

[View Document](#)

e-copies of the MoUs with institution/ industry

[View Document](#)

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:

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

JNTUA is equipped with adequate facilities in each campus to support effective teaching and learning activities. Each department has the required number of classrooms to accommodate undergraduate (UG), postgraduate (PG), and other allied programs. These classrooms are designed to provide a conducive learning environment for students. Furthermore, all departments are equipped with the necessary ICT facilities, including network connectivity and Wi-Fi coverage. This ensures that students and faculty have seamless access to online resources and educational materials. The presence of LCD projectors, screens, and AV systems enables the use of multimedia tools to enhance the learning experience.

To further enhance the teaching and learning process, JNTUA has established smart classrooms in each department. These smart classrooms are equipped with audio and video facilities, allowing instructors to deliver online materials, videos, animations, subscribed research articles, presentations, and demonstrations. This technology-rich environment facilitates interactive and engaging learning experiences for students. The university also prioritizes the safety and security of its students and staff. As a measure of security, CCTV cameras are installed throughout the campus, including hostels and other key areas. This helps in monitoring and ensuring the safety of individuals and property within the campus premises.

Overall, JNTUA's well-equipped facilities, including classrooms, ICT resources, smart classrooms, and security measures, contribute to a conducive learning environment and support the academic growth and development of students and faculty. JNTUA places great importance on providing comprehensive academic resources and modern facilities to support the learning and research needs of its faculty and students. The University central library is home to a vast collection of academic resources, including books, journals, research papers, and other relevant materials. Additionally, there is a digital library equipped with desktop computers, providing access to a wide range of digital resources and online databases. This enables users to access scholarly materials conveniently. To facilitate research and academic work, the central library maintains hard and soft copies of doctoral theses, making them readily available for reference.

High bandwidth Wi-Fi connectivity is accessible throughout the University campus, enabling faculty members and students to connect to the internet and access online resources from any location within the campus. During the pandemic period, JNTUA made arrangements for online classes by providing digital writing pads and audio-video equipment. These measures ensured the smooth functioning of regular class work and enabled uninterrupted learning for students.

Departments within the University have dedicated computing labs equipped with an adequate number of desktop computers. These labs are equipped with licensed software to facilitate lab-specific simulations, open-ended tasks, coding assignments, project work, and research activities.

A wide range of laboratories are operational in various departments, serving as important spaces for academic and research activities. These laboratories are equipped with the necessary instruments, equipment, and infrastructure as per the curriculum requirements. Safety protocols are strictly enforced, and provisions for immediate medical attention, including first aid, ambulance services, and a health center, are available to ensure the well-being of students and staff.

Overall, JNTUA's commitment to providing well-stocked libraries, modern computing facilities, and fully equipped laboratories demonstrates its dedication to creating an enriching and conducive learning environment for its academic community.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2

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

Response:

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

JNTUA has a strong focus on promoting sports and games among its students. The university recognizes the importance of physical activities in maintaining a healthy lifestyle and holistic development. It provides modern facilities and infrastructure to support various sports and games as per the requirements. To efficiently organize and monitor sports and games across different colleges at the university level, a sports secretary is appointed. The sports secretary is responsible for coordinating and overseeing sports activities and competitions. Additionally, each unit within the university has its own physical directors who are responsible for organizing sports and games within their respective units, ensuring a synchronized approach to sports activities.

The university campus includes a playground that accommodates outdoor games such as cricket, basketball, football, volleyball, throwball, KhoKho, and Kabaddi. These facilities enable students to actively participate in and practice these sports. For indoor games, the university has a Central Indoor Stadium equipped with facilities for table tennis, badminton, etc. This allows students to engage in indoor games and tournaments. Recognizing the importance of exercise for physical and mental well-being, the university has a dedicated gym where students are trained by a gym instructor at regular intervals.

Through these sports and recreational facilities, JNTUA encourages students to actively participate in sports, maintain a healthy lifestyle, and develop essential qualities such as teamwork, discipline, and sportsmanship.

JNTUA recognizes the significance of cultural activities in fostering creativity, promoting social cohesion, and celebrating diversity. At the end of the academic year, each unit of the university organizes cultural events where students can showcase their talents and participate in various activities. These events may include singing competitions, treasure hunts, DJ nights, and other cultural performances.

In addition to the annual cultural events, the university also organizes cultural activities during national festivals, convocations, golden jubilee celebrations, conferences, and annual days. These events serve as platforms to encourage students' creativity in social and cultural domains.

JNTUA emphasizes social integrity and involvement by celebrating Hindu, Muslim, and Christian festivals with equal enthusiasm. Students and staff members from diverse backgrounds come together to celebrate these festivals, promoting understanding, harmony, and mutual respect among different religious communities.

By actively engaging in cultural activities and celebrating various festivals, JNTUA fosters a vibrant and inclusive campus environment. These events not only provide entertainment but also promote social integration, cultural appreciation, and a sense of belonging among students and staff members.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3

Availability of general campus facilities and overall ambience

Response:

Availability of general campus facilities and overall ambience

The JNTUA (Jawaharlal Nehru Technological University Anantapur) university is known for its unique integration of professional education with social concerns, creating a distinct ambience. The university is located in Anantapur, a city that boasts excellent connectivity through roadways, railways, and airways.

One of the notable aspects of JNTUA is its diverse student population. The campus takes pride in welcoming students from all corners of the state, various parts of India, and even international students from different countries. This multicultural environment adds richness and diversity to the university community. JNTUA offers a wide range of graduate and post-graduate programs in science and

engineering disciplines. The university ensures that all its departments are well-equipped with modern equipment that aligns with the needs of the industry and society. This emphasis on providing up-to-date infrastructure helps students gain practical skills and stay relevant in their respective fields. In terms of facilities, the JNTUA campus provides Wi-Fi connectivity throughout, enabling students and faculty to access online resources and stay connected. Additionally, CCTV cameras are strategically placed in important locations for enhanced security and monitoring.

A key feature of JNTUA's governance system is its participatory and transparent approach. The university actively involves members from reputable academic institutions, industries, faculty, academic leaders, and alumni in all policy-making bodies. This collaborative decision-making process ensures that the university's policies align with the needs and expectations of stakeholders. The university also prioritizes the integration of information and communication technology (ICT) tools for effective learning. All departments are equipped with projectors, computers, audio-visual equipment, and internet connectivity, enabling students to leverage ICT tools for a more interactive and engaging learning experience.

Overall, JNTUA's unique ambiance, well-connected location, diverse student body, modern infrastructure, participative governance system, and emphasis on ICT integration contribute to a vibrant and enriching educational environment. The JNTUA university provides a comprehensive sports infrastructure to cater to a wide range of outdoor and indoor games. The campus boasts ground facilities for popular outdoor sports such as cricket, hockey, kabaddi, football, volleyball, etc. These facilities are designed to accommodate training sessions, practice matches, and intercollegiate competitions.

For indoor sports enthusiasts, the university has an Indoor Stadium equipped with a modern gymnasium. The gymnasium is equipped with state-of-the-art exercise equipment to support fitness and strength training. Students and faculty can utilize the gym facilities to maintain their physical well-being. In addition to the gymnasium, the Indoor Stadium also houses sports arenas for various indoor games. Students can engage in these indoor sports activities during their leisure time or participate in intra-university tournaments.

The availability of these sports facilities promotes a healthy and active lifestyle among students. It encourages physical fitness, team spirit, and sportsmanship. The university recognizes the importance of sports in holistic development and provides ample opportunities for students to engage in both outdoor and indoor sports activities. By offering a diverse range of sporting options, JNTUA ensures that students have the means to pursue their interests and explore new sports. The sports facilities contribute to a vibrant campus life, fostering a sense of camaraderie and healthy competition among students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4

Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)**Response:** 31.81**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
1102.3	1425.32	123.52	1125.63	653.25

File Description	Document
Upload audited utilization statements	View Document
Institutional data in prescribed format	View Document

4.2 Library as a Learning Resource**4.2.1****Library is automated using Integrated Library Management System (ILMS) and has digitisation facility****Response:**

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

Jawaharlal Nehru Technological University Anantapur (JNTUA) is known for its well-equipped facilities that contribute to a conducive learning environment and support the academic growth and development of students and faculty. The university recognizes the importance of providing comprehensive academic resources and modern facilities to meet the learning and research needs of its community.

One of the key facilities at JNTUA is the central library, which serves as a hub for academic resources. The library houses a vast collection of books, journals, research papers, and other relevant materials. Students and faculty members have access to a wide range of scholarly resources that support their academic pursuits. The library also maintains hard and soft copies of doctoral theses, making them readily available for reference, thus facilitating research work.

In addition to the physical library, JNTUA has a digital library equipped with desktop computers. This digital library provides access to a wide range of digital resources and online databases. Users can conveniently access scholarly materials and conduct research online. The availability of digital resources ensures that students and faculty members can stay updated with the latest information in their respective fields.

To support connectivity and access to online resources, JNTUA offers high bandwidth Wi-Fi connectivity throughout the university campus. This allows faculty members and students to connect to the internet from any location within the campus. With reliable internet access, they can access online resources, conduct research, collaborate with peers, and stay connected with the global academic community.

During the pandemic period, JNTUA took proactive measures to ensure uninterrupted learning. The university provided digital writing pads and audio-video equipment to facilitate online classes. These arrangements enabled faculty members to conduct regular classwork remotely and ensured that students could actively participate in virtual learning. By embracing technology and adapting to online teaching methods, JNTUA ensured that the academic progress of its students continued despite the challenges posed by the pandemic.

Overall, JNTUA's well-equipped facilities, including classrooms, ICT resources, smart classrooms, and security measures, contribute to a conducive learning environment. The university's focus on providing comprehensive academic resources, modern facilities, and technology-enabled learning experiences demonstrates its commitment to supporting the academic growth and development of its faculty and students.

File Description	Document
Paste link for additional information	View Document

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: B. Any 3 of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

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: 10.78

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
5.42	12.56	6.48	16.11	13.35

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Audited statements of accounts

[View Document](#)

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: 27.12

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

Response: 1789

File Description**Document**

Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)

[View Document](#)

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: 88.81

4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 119

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.3.2

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

Response:

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

Jawaharlal Nehru Technological University Anantapur (JNTUA) has an IT policy in place that covers major areas such as Wi-Fi and cybersecurity. This policy is regularly updated or amended as per the needs of the institute. The institution recognizes the importance of keeping up with regulatory norms and industry requirements, and therefore strives to upgrade its IT facilities accordingly.

JNTUA places great emphasis on upgrading its infrastructure to meet the evolving technological needs of its students and faculty. This includes improvements in Wi-Fi connectivity, cybersecurity measures, software upgrades, ERP system enhancements, and the implementation of ICT-enabled teaching and learning practices.

JNTUA took specific steps to enhance its Wi-Fi infrastructure. The number of Wi-Fi routers was increased with high configurations to ensure comprehensive coverage across the campus and hostels. This expansion allows students and faculty members to have maximum access to the internet, enabling them to carry out their project and research work effectively.

In terms of security, JNTUA has installed CCTV cameras across the campus, covering all areas of the university. This comprehensive surveillance system helps in monitoring activities and contributes to a safer environment for the entire campus community.

Through these initiatives, JNTUA aims to provide a technologically advanced environment that supports the academic and research pursuits of its students and faculty members. The institution understands the importance of keeping up with the latest IT advancements and adhering to regulatory norms and industry standards. By regularly upgrading its IT infrastructure, JNTUA ensures that students and faculty members can make the most of internet access and benefit from modern technology for their academic and research endeavors.

File Description	Document
Upload any additional information	View Document

4.3.3

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

Response: 2.76

File Description	Document
Student – computer ratio	View Document

4.3.4

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

Response: A. ?1 GBPS

File Description	Document
Upload any additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

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: B. 3 of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

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: 40.08

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
1317.00	1005.00	1025.00	1071.00	998.00

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts	View Document

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:

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

In the JNTUA university, the concerned head of each department takes the responsibility of assigning lab-in-charges among the permanent faculty members. The lab-in-charges play a crucial role in managing the laboratories and ensuring their smooth operation. The lab-in-charges are responsible for recording and maintaining the inventory of consumables and non-consumables. They ensure that an adequate stock of materials is maintained for the smooth functioning of the laboratory. This involves keeping track of the usage, replenishing supplies, and managing any budgetary considerations.

Lab-in-charges also have the responsibility of preparing and displaying manuals in the laboratory. These manuals contain crucial information such as precautionary measures, do's and don'ts, lists of experiments, and any specific guidelines for conducting experiments safely. By providing clear instructions, lab-in-charges contribute to maintaining a safe and productive working environment for students and researchers. Furthermore, lab-in-charges are accountable for maintaining stock registers, which document the inventory of equipment, consumables, and non-consumables. This helps in tracking the usage,

monitoring the condition of equipment, and planning for future requirements. They also verify and ensure the proper maintenance of log books, which record the details of experiments conducted, observations made, and any relevant data. The library at JNTUA provides an inventory of all textbooks, periodicals, journals, and e-content to support the academic needs of students and faculty. The library staff maintains a comprehensive collection of resources, ensuring that students have access to a wide range of materials for their studies and research.

The Indoor Stadium within the university campus is supervised by a dedicated permanent employee. This individual is responsible for overseeing the operations and maintenance of the stadium. They ensure that the facilities are in good condition, equipment is properly maintained, and safety protocols are followed. Their presence ensures that students and faculty can utilize the Indoor Stadium for various sports activities in a safe and organized manner. To facilitate sports activities and management, a sport secretary is appointed. The sport secretary monitors funding, maintenance, and participation in sports activities both within and outside the university. They play a crucial role in coordinating sports events, managing budgets, and promoting student engagement in sports.

A Centralized Computing Facility is available on campus, providing access to most of the software required by students. This facility allows students to utilize the necessary software for their academic and research needs at any time. It serves as a convenient resource for students to access software tools without the need for individual installations on their personal devices.

Each department at JNTUA is equipped with computer systems that have appropriate configurations and software. These computer labs are maintained by qualified personnel who ensure that the systems are in working order and the required software is installed. The departmental computer labs cater to the specific lab requirements as per the curriculum, supporting practical sessions, programming assignments, and research work.

Sufficient numbers of classrooms are available on campus, ensuring that there is ample space for conducting lectures, seminars, and other academic activities. These classrooms are appropriately ventilated and illuminated to provide a comfortable learning environment. Regular monitoring takes place to identify any repairs or maintenance needs, ensuring that the classrooms remain in optimal condition for teaching and learning purposes.

Overall, JNTUA emphasizes the provision of well-equipped facilities and resources to support students' academic and extracurricular activities. The library, Indoor Stadium, Centralized Computing Facility, departmental computer labs, and well-maintained classrooms contribute to a conducive learning environment for students and enhance their overall educational experience.

File Description	Document
Upload any additional information	View Document

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: 73.45

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
4764	4283	4876	4067	3538

File Description

Document

Upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Institutional data in prescribed format

[View Document](#)

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: 21.27

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
1898	696	2041	1450	210

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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	View Document
Any additional information	View Document

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
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

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: 100

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
111	90	73	28	10

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
111	90	73	28	10

File Description

Document

Upload supporting data for the same

[View Document](#)

Institutional data in prescribed format

[View Document](#)

5.2.2

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

Response: 23.08

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
418	409	297	62	366

File Description	Document
Self attested list of students placed	View Document
Institutional data in prescribed format	View Document

5.2.3

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

Response: 16.26

5.2.3.1 Number of outgoing student progressing to higher education.

Response: 228

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document

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: 111

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
7	29	32	40	3

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document

5.3.2

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

Response:

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

The Student Council at JNTUA serves as a crucial platform comprising students and supervised by senior members. It acts as an umbrella body for all the clubs and committees on campus, ensuring their smooth functioning and coordination.

One of the key roles of the Student Council is to serve as a link between the students and the university's management. They represent the student body and communicate their concerns, suggestions, and feedback to the management. By facilitating effective communication, the Student Council contributes to the continuous improvement and development of the campus environment.

The Student Council also plays a vital role in enhancing the brand image of the campus. They work towards creating a positive perception of the university by organizing events, promoting student achievements, and engaging in activities that showcase the talents and capabilities of the student community. In addition to these responsibilities, the Student Council also upholds the cultural and normative values of the university. They ensure that all events, activities, and interactions on campus align with the established culture and norms. By maintaining a harmonious and respectful atmosphere, the Student Council contributes to the overall well-being of the student community.

The Council provides assistance to all clubs and committees on campus in their functioning and conducting various activities. They offer guidance, resources, and support to ensure the smooth execution of events and initiatives. This collaborative approach fosters teamwork, cooperation, and a sense of belonging among students. Members of the Student Council at JNTUA actively volunteer during the university's foundation day and other major events. They play a significant role in organizing seminars, workshops, and conferences. By volunteering their time and efforts, they contribute to the successful execution of these events, which provide valuable learning and networking opportunities for the participants.

The university also prioritizes the establishment of various cells that serve as the backbone of the institution. The Women Empowerment Cell focuses on promoting gender equality, addressing gender-related issues, and providing a supportive environment for women on campus. It organizes awareness programs, workshops, and seminars to empower and educate students on gender-related topics.

The Anti-Ragging Cell plays a crucial role in maintaining a ragging-free environment on campus. It enforces strict measures to prevent and address instances of ragging, ensuring the safety and well-being of all students. The cell works in collaboration with other university authorities and local authorities to create awareness and take necessary actions against ragging activities.

The University National Service Scheme (NSS) Cell promotes community engagement and social service among students. It organizes various outreach programs, community service activities, and awareness campaigns on important social issues.

These cells, along with other support systems, contribute to creating a safe, inclusive, and conducive environment for students. They address specific needs and concerns, provide necessary support, and

ensure the overall well-being of the student community. Their efforts align with the university's vision of holistic development and a nurturing educational environment.

File Description	Document
Upload any additional information	View Document

5.3.3

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

Response: 39.8

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
68	24	26	41	40

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document

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:

The Alumni Associations at JNTUA have been established with the purpose of fostering alumni connections, exploring opportunities for mutual growth, and raising funds for various development activities, including human resources and infrastructure. These associations serve as a bridge between the "Alma Mater" (the university) and the alumni.

Various endowments meritorious scholarships have been instituted:

1. Prof.S. Tiruvengalam best performing girl scholarship in all AYs Rs. 15,000/- of all batches of all the years
2. Prof.S. Tiruvengalam best performing of B.Tech EEE students of I-III Year students girl scholarship in all AYs Rs. 15,000/- of all batches of all the years. Contributed 45,000/- and continuing since 2.5 decades.
3. Prof.S.L. Balasubramanian memorial Endowment scholarship for best performing student of mechanical engineering. Contributed Rs.1,00,000/- along with his daughters Smt. Indira & Bharathi.
4. Sri Mantha Rama Rao (Alumnus 1959-1964) has contributed Rs. 1,50,000 towards the meritorious Scholarships in the name of his parents Sri M. Ramamurthy (late) & Smt. Kameswaramma memorial Endowment scholarship for the best performing student of B.Tech Mechanical Engineering upto 4th Year Ist semester to be given from 2019-20 AY
5. Prof.P.N Damodaram memorial Endowment scholarship for best performing students (8 boys) from among government scholarship holders of B.Tech 2 from each year (8 boys) from 2016-17 AY onwards contributed by Sri Dwaraka Parvatham.
6. Smt P. Saraswathamma Endowment scholarship for best performing students (12 girls) from among government scholarship holders of B.Tech 3 from each year (12 girls) from 2016-17 AY onwards contributed by Sri Dwaraka Parvatham Rs. 25,00,000/-
7. Smt. H. Rajeswaramma Endowment merit scholarship for best performing girls students in English at the end of 1st Year. Contributed by Smt. H. Rajeswaramma Retd D.R, JNTUA from the AY 2019-20
8. About 250 Chairs have been contributed by alumni through ANECA Hyderabad Chapter worth nearly Rs 7,00,000
9. Platinum Jubilee year celebrations have been conducted during 16th-18th, Dec.2021. Postal stamp also been released marking the celebrating of 75th year completion of the constituent college CEA
10. Platinum Jubilee pylon has been erected during the Platinum Jubilee year celebrations.
11. It is proposed to construct Platinum Jubilee Alumni Hostel Block (Girls) & Arch of JNTUA near north east gate of the campus through funds to be generated from Alumni.
12. ANECA at Anantapur is registered society dated 26.11.2022 Reg.No: 246/2022. Bye laws of ANECA have been formulated.
13. Four students have visited International Sicion Valley Fellowship programme for which the Alumni has sponsored for their travel, hospitalities and boarding charges by matching grants has been received from APSSDC during 2016-17. Contribution was Rs. 1,50,000/- for four students
14. Dr.A.Sreepada Rao(1956) Alumini has contributed Rs.1,000/- Per month from his pension for about few years for awarding merit scholarship for best performance of I-III Yrs B.Tech Civil Engineering with cash award of Rs.3,000/- ,Rs.4,000/- and Rs.5,000/- per year respectively to the students.
15. Dr D.R.Prasada Raju (1979 Alumnus Mechanical) has donated Rs 3,00,000 towards organizing Prof T.V. Lakshmana Rao Memorial Lectures to be organized on 18 April in mechanical Engineering

File Description	Document
Any additional information	View Document

5.4.2**Alumni contribution during the last five years (INR in Lakhs)****Response:** B. 50 Lakhs - 100 Lakhs

File Description	Document
Any additional information	View Document

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:

Jawaharlal Nehru Technological University Anantapur, located in Ananthapuramu, is driven by a compelling mission to transform lives and contribute to society's betterment through its pursuit of excellence in teaching, research, innovation, and outreach activities. At the heart of any distinguished higher educational institution lies the continuous advancement of knowledge, primarily achieved through dedicated research efforts. Research forms the bedrock of the knowledge continuum, serving as the cornerstone for all academic disciplines. Its significance is particularly evident in its direct contributions to economic development, societal well-being, and the holistic advancement of individuals, communities, and the nation as a whole.

To fulfill its purpose, the University has created an academically stimulating, supportive, and intellectually invigorating environment that fosters individual growth. This is achieved by actively engaging in advanced and cutting-edge research endeavors within and across various academic fields. The overarching aim of this policy is to cultivate a culture of quality research among the University's faculty members.

Vision

The University's vision centers on promoting and encouraging research and innovation across multi-disciplinary and inter-disciplinary domains. The objective is to catalyze collaborative projects with both public and private entities, leading to the generation of innovative ideas and products that serve the wider community's needs. By fostering a culture of research-driven innovation, the University envisions becoming a hub for creative solutions that address real-world challenges and enhance the quality of life.

Mission:

The University's mission is underpinned by several core tenets:

1. **Innovation-Oriented Approach:** The institution is committed to instilling an innovation-oriented approach within all research endeavors. By encouraging a mindset focused on creative problem-solving and forward-looking ideas, the University aims to contribute to advancements in various sectors of society.
2. **Holistic Societal Service:** Through its research and academic practices, the University seeks to serve all segments of society. This mission extends beyond the confines of the campus, aiming to positively impact various sectors through the application of research outcomes and innovative practices.
3. **Communication and Collaboration:** The University envisions fostering robust communication channels

among its alumni, students, and the diverse community of faculty members. By facilitating the exchange of ideas, knowledge, and experiences, the institution creates a vibrant academic ambience that promotes cross-disciplinary learning and collaboration.

Jawaharlal Nehru Technological University Anantapur aspires to be a beacon of research-driven innovation, a center where excellence in education is seamlessly intertwined with groundbreaking research. Through its comprehensive vision and mission, the University positions itself as a catalyst for positive change, contributing not only to the academic landscape but also to the broader social and economic development of its region and the nation as a whole.

File Description	Document
Link for additional information	View Document

6.1.2

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

Response:

JNTUA, follows a decentralized approach in both academic and administrative activities. The university has established various academic and administrative committees to oversee, plan, and execute the smooth functioning of the institution. Here are some key aspects of the decentralization practices at JNTUA:

Planning and Policy Development: The principal and other faculty members play a crucial role in planning and policy development within the university. They are responsible for formulating strategies and policies related to academic and research growth, institutional budgeting, and extension activities. This decentralized approach ensures that decision-making is distributed across various stakeholders, leading to a more inclusive and collaborative environment.

College Development Committee: JNTUA forms a College Development Committee, comprising representatives from management, the principal, students, heads of departments (HODs), faculty, staff members, industry experts, and alumni. This committee focuses on the development plans of the college, encompassing academic, administrative, and infrastructural growth. It facilitates the addition of curricular, co-curricular, and extracurricular activities, ensuring a comprehensive educational experience for the students.

By involving representatives from diverse backgrounds and expertise, JNTUA ensures that decision-making processes consider the perspectives and interests of various stakeholders. This participatory approach fosters transparency, accountability, and effective governance within the university.

Decentralization in academic and administrative activities allows for efficient management, as responsibilities are distributed among different committees and individuals. This approach promotes collaboration, innovation, and adaptability within the university, enabling it to respond effectively to the evolving needs of students, faculty, and the wider community.

The Academic Senate of the university plays a crucial role in overseeing various academic matters and formulating policies related to education and research. Some of the responsibilities of the Academic Senate include:

Fellowships and Scholarships: The Academic Senate monitors and provides information regarding fellowships and scholarships available to students. It ensures that students are aware of the various financial assistance opportunities and helps formulate schemes to support their educational pursuits.

Academic Schemes for Colleges: The Academic Senate formulates academic schemes for both constituent and affiliated colleges under the university. These schemes aim to enhance the quality of education, promote research activities, and foster a conducive learning environment for students.

Faculty Development Programs: The Academic Senate plays a role in designing and implementing faculty development programs. These programs focus on enhancing the skills and knowledge of faculty members, keeping them updated with the latest developments in their respective fields.

Curriculum Development: The Academic Senate is involved in the development and revision of academic curricula. It ensures that the curriculum aligns with industry requirements, emerging trends, and the needs of the students. On the other hand, the Finance Committee focuses on the financial aspects of the university. Some of its responsibilities include:

Financial Position: The Finance Committee monitors the financial position of the university, assessing income, expenditure, and overall financial health.

Budgeting: The committee discusses and approves the budget for the university, taking into account the various expenses, projects, and initiatives.

Financial Requirements: The Finance Committee reviews and assesses the financial requirements of the university, ensuring that adequate resources are allocated for essential activities, infrastructure development, and procurement needs.

Infrastructure Expenditure: The committee oversees the allocation and utilization of funds for infrastructure development within the university, ensuring that facilities and resources are maintained and upgraded as necessary.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional Strategic plan is effectively deployed.

Response:

The institutional Strategic plan is effectively deployed

The University has developed an effective strategic plan that encompasses various aspects of academic and research excellence, collaboration, entrepreneurship, innovation, social responsibility, globalization, alumni engagement, governance, infrastructure, resources, and branding. To achieve the strategic goals, the university has implemented major initiatives in the following directions:

- Continuous update of courses and curriculum: The university emphasizes the importance of regularly updating courses and curriculum to stay relevant and aligned with industry needs and technological advancements. This ensures that students receive a well-rounded and up-to-date education.
- Outcome-based education and assessment: The university promotes outcome-based education, focusing on the development of desired skills, competencies, and knowledge in students. Assessment methods are designed to measure and evaluate these outcomes effectively.
- Integrated teaching-learning processes: The university encourages integrated teaching and learning approaches that combine theoretical knowledge with practical applications. This approach facilitates a comprehensive understanding of concepts and encourages critical thinking.
- Interdisciplinary and multidisciplinary programs/courses: The university recognizes the importance of interdisciplinary and multidisciplinary education. It offers programs and courses that bridge different fields of study, enabling students to explore diverse perspectives and collaborate across disciplines.
- Usage of ICT in teaching-learning practices: The university adopts information and communication technology (ICT) tools and practices in teaching and learning processes. This includes leveraging digital resources, e-learning platforms, and other technological advancements to enhance educational experiences for students.
- Research ecosystem and consultancy: The university establishes a supportive research ecosystem, fostering the production of research personnel, research projects, and consultancy services. This promotes a culture of research excellence and innovation among faculty and students.
- Encouragement of product innovation and development: The university encourages students to engage in product innovation and development. By providing platforms and resources, it nurtures an entrepreneurial mindset among students and supports their endeavors to create and develop innovative products.

The institute's commitment to achieving top rankings among global institutions and gaining recognition from national accreditation bodies and ranking systems is evident in its strategic efforts. These include:

- Focus on accreditation and rankings: The institute prioritizes attaining accreditation from recognized national bodies and strives for rankings that reflect its academic and research excellence. This pursuit is driven by a desire to benchmark against global standards and enhance the institute's reputation
- Alumni engagement: The institute maintains a strong connection with its alumni through an active alumni cell. This cell promotes interaction between alumni, industrial partners, and academic partners. Through workshops, guest lectures, and faculty development programs, alumni share their knowledge and provide technology updates to benefit current students.
- Infrastructure facilities: The institute ensures the provision of adequate infrastructure facilities for students. This includes well-equipped laboratories, libraries, accommodation, recreational areas, sports facilities, and medical facilities. These amenities contribute to creating a conducive learning and living environment on campus.

- Financial autonomy: The institute has a well-defined financial plan that grants financial autonomy to the executive authorities. This autonomy enables them to make timely decisions and allocate resources effectively, maintaining the institute's growth trajectory.
- Perspective plan: The institute engages all stakeholders in the preparation of a perspective plan aligned with its vision and mission. This collaborative approach ensures that the plan reflects the aspirations and goals of the institute and encompasses the input and perspectives of all relevant stakeholders.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document

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

JNTUA has established a robust governance system to ensure effective and efficient functioning of the university. Transparency is a key principle in governance, and active participation of all stakeholders is encouraged. The governance structure of the university comprises various bodies that interact with each other. These bodies include:

Executive Council: The Executive Council is responsible for the overall governance and decision-making of the university. It consists of members appointed by the state government and other key stakeholders. The Executive Council sets policies, approves budgets, and oversees the implementation of academic and administrative activities.

Academic Senate: The Academic Senate plays a crucial role in monitoring and guiding academic matters. It formulates academic schemes, regulations, and policies related to admissions, examinations, curriculum development, faculty development, research, and industry collaborations. The Senate ensures the academic integrity and quality of the university's programs.

Finance Committee: The Finance Committee focuses on the financial aspects of the university. It discusses the financial position, budget, procurement, infrastructure expenditure, and income and expenditure of the university. The committee plays a vital role in ensuring proper financial management and resource allocation.

These bodies, along with other committees and councils, work together to ensure the smooth functioning of the university. They adhere to the established rules and regulations set by the state government, taking into consideration the academic and administrative needs of the institution. This governance structure helps maintain accountability, transparency, and effective decision-making processes within the university.

The recruitment process for regular faculty members at the university follows standard procedures as defined by the University Grants Commission (UGC) and approved by the government. To ensure wide publicity, a public notification is released in newspapers and is also posted on the university's website. Interested candidates who meet the eligibility criteria, as per the UGC norms, are invited to submit their applications. The applications are then reviewed by both external and internal committees. These committees thoroughly examine the applications, verifying the candidates' eligibility based on the prescribed conditions mentioned in the notification. The committees finalize a list of eligible candidates who are then eligible to appear for the interview.

The selection process involves conducting interviews with the shortlisted candidates. A selection committee, in line with UGC guidelines, assesses the performance of the candidates during the interviews. The committee evaluates their knowledge, skills, teaching abilities, research potential, and any other relevant criteria. The candidates are then selected based on their performance in the interviews and ranked in order of merit.

The final list of selected candidates is presented to the executive council for approval. The executive council, which is responsible for the overall governance of the university, reviews and approves the selection recommendations made by the selection committee. Upon approval, the executive council issues the appointment letters to the selected candidates, formally offering them positions as regular faculty members at the university.

These procedures ensure fairness, transparency, and adherence to the UGC norms in the recruitment process of regular faculty members, contributing to the overall quality and academic excellence of the university.

File Description	Document
Any additional information	View Document
Link to Organogram of the University webpage	View Document

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
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View Document

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:

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

The institution effectively implements the welfare schemes for the teaching and Nonteaching faculties.

1. Periodical Promotions for Teachers under Career Advancement Scheme:

JNTUA University recognizes the importance of career growth for its teaching staff and follows the guidelines set by the Andhra Pradesh Government and the University Grants Commission (UGC) to provide periodical promotions under the Career Advancement Scheme. This scheme allows eligible teachers to progress to higher positions based on their academic qualifications, research contributions, teaching experience, and other criteria stipulated by the authorities. These promotions not only acknowledge the dedication and expertise of the teachers but also motivate them to continually enhance their skills and contributions to academia.

2. Promotions for Non-Teaching Staff as per AP State Govt Rules:

The university extends its commitment to welfare programs to its non-teaching staff as well. Following the rules set by the Andhra Pradesh State Government and relevant service regulations, the university ensures that non-teaching staff members are also awarded promotions based on their years of service, performance, and other criteria specified by the governing authorities. This recognition of the efforts of non-teaching staff members fosters a positive work environment and encourages their professional growth.

3. Financial Assistance for Teaching and Non-Teaching Staff:

JNTUA University goes beyond promotions and offers financial assistance to both teaching and non-teaching staff members. The assistance includes personal loans with nominal interest rates for various purposes, such as acquiring computers or laptops, home loans, house repairs, and vehicle loans. By providing these financial options, the university supports its staff in their personal endeavors and helps alleviate financial burdens, ultimately contributing to their overall well-being.

4. Earned Leave Encashment (EL Encampment) for Staff:

Earned Leave (EL) encashment is a beneficial program for staff members that allows them to convert their accumulated earned leave days into monetary compensation. This enables staff members to either utilize the earned leave for rest and relaxation or choose to encash it for additional income. This program provides flexibility and recognition of the staff's commitment and dedication to their roles.

File Description	Document
Link for Additional Information	View Document

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: 4.72

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
3	1	45	23	11

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	View Document

Other Upload Files

1

[View Document](#)

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: 15.6

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
5	21	27	18	7

File Description

Document

Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)

[View Document](#)

Any additional information

[View Document](#)

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: 21.09

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
12	38	60	130	127

File Description	Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	View Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

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

Response:

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

JNTUA Institute has established a well-structured process for mobilizing funds and efficiently utilizing resources. This process involves multiple committees, department heads, and the accounts office to ensure transparency, accountability, and optimal utilization of available resources. Specific rules have been designed to govern fund usage and resource allocation, and a finance committee oversees the responsible allocation of funds for both recurring and non-recurring expenses.

A finance committee has been formed to oversee and manage the optimal utilization of funds for various expenses. This committee ensures that funds are allocated appropriately for recurring operational costs and one-time expenditures. The finance committee's role is crucial in maintaining financial discipline and ensuring that allocated funds are utilized effectively.

To ensure the best value for money, the institute has a purchase committee responsible for procuring various items such as equipment, computers, books, and other necessary supplies. The committee obtains quotations from vendors and suppliers, considering factors like pricing, quality, terms of service, and other relevant parameters. The finance and purchase committees work together to scrutinize these quotations and make informed decisions regarding procurement.

The institute places a strong emphasis on transparency in utilizing funds. Grants received from various sources, including government agencies and private entities, are designated for specific purposes such as academic development and infrastructure improvement. These funds are allocated to concerned departments or offices within the university.

Grants received by the university are utilized according to a predefined plan, often organized into specific time periods or plan periods. Departments and offices responsible for the utilization of grants

adhere to a fixed schedule, targets, and timelines. This structured approach ensures that funds are utilized in a timely and efficient manner to achieve the intended goals and objectives.

The institute's funds are distributed to support both academic development and infrastructure growth. This allocation strategy reflects the university's commitment to providing quality education while also maintaining and enhancing its physical facilities. Such a balanced approach contributes to the overall growth and advancement of the institution.

File Description	Document
Link for Additional Information	View Document

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: 103.7

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
21.95	0	5.54	0	76.21

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	View Document
Any additional information	View Document

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: 36.4

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
28.48	0.48	6.48	0.48	0.48

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

6.4.4

Institution conducts internal and external financial audits regularly

Response:

Institution conducts internal and external financial audits regularly

Before making any payment, the office of the university follows a systematic process of preparing a voucher that includes all the necessary details of the expenditure and bank cheque information. The purpose of this voucher is to ensure proper documentation and accountability for every payment made by the university. A voucher typically consists of several sub-vouchers, each serving a specific purpose. These sub-vouchers include the proceedings for payment, which outline the reason for the payment and provide relevant details. The original bill is attached to the voucher to validate the expenditure and provide evidence of the transaction. A comparative statement may be included to compare different quotations or prices for the same expense, ensuring that the best option is chosen. Additionally, quotations obtained from various suppliers may be included to demonstrate the decision-making process.

The university maintains multiple accounts in the bank, based on its specific requirements. Each account is accompanied by a cash book, which serves as a financial record. The cash book is updated on a daily basis, with entries for both receipts (income) and expenditures. This ensures that all financial transactions are accurately recorded and organized.

The receipts and expenditure details are entered in the cash book on a daily basis for a month, and then summarized on a monthly basis for a particular financial year. This allows for easy tracking and monitoring of the university's financial activities. By maintaining proper records in the cash book, the university ensures transparency, accuracy, and adherence to financial regulations.

This meticulous process of preparing vouchers, maintaining cash books, and recording financial transactions helps the university to maintain financial control, track expenses, and ensure compliance with financial procedures. It also provides a reliable and transparent system for managing the university's finances and promoting accountability in expenditure. The expenditure of the university and its various units undergoes a pre-audit process conducted by the internal accounts team. This pre-audit step ensures that the expenditures are in compliance with the university's norms and guidelines. The internal accounts team carefully reviews the bills and supporting documents before processing the payments.

Once the bills have been verified and approved by the pre-audit team, they are forwarded to the accounts section for payment processing. However, the scrutiny of expenditures does not end with the internal pre-audit. The state audit team, comprising an audit officer and other members, conducts an annual audit of each unit within the university.

The state audit team visits each unit of the university and thoroughly examines the receipts and payments.

The pre-audit and state audit processes play a crucial role in maintaining financial accountability and transparency within the university. These audits help identify and rectify any financial irregularities, ensuring that the university's expenditures are properly documented, justified, and aligned with the applicable regulations and guidelines. By addressing audit objections and clarifying any discrepancies, the university demonstrates its commitment to financial integrity and responsible financial management.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 Internal Quality Assurance Cell (IQAC) of the university has implemented a range of initiatives to elevate the quality of teaching, learning, and research, with the overarching goal of fostering a culture of continuous improvement.

One significant initiative involves integrating Information and Communication Technology (ICT) and modern teaching techniques to enhance the teaching-learning process. This approach encourages students to actively engage in value-added courses and experiential learning opportunities, preparing them for a technology-driven world.

The university has embraced an outcome-based education strategy, which entails defining specific learning outcomes for each program or course. This approach ensures that students acquire the necessary knowledge, skills, and competencies, aligning education with real-world demands. Additionally, the choice-based credit system empowers students to select elective courses based on their interests and career goals, providing a personalized learning experience.

A robust feedback system has been established to gather insights from students regarding curriculum, faculty performance, and other relevant aspects. By collecting feedback regularly, the university identifies areas for improvement and adapts its approach to enhance the learning experience.

Skill development programs have been implemented to enhance students' employability and placement prospects. These programs equip students with industry-relevant skills, augmenting their readiness for the job market. Furthermore, faculty members and students are encouraged to join professional bodies and associations, promoting continuous learning and networking within their respective domains.

Promoting extracurricular involvement, the IQAC advises students to form clubs and organize activities aligned with their interests. These clubs facilitate talent showcasing, collaboration, and overall personal development.

To address diverse learning needs, the university offers remedial classes and mentorship programs. Remedial classes support academically challenged students, while mentorship programs foster strong relationships between mentors and mentees, ensuring comprehensive student support.

Incorporating feedback from staff members, the university constantly improves syllabi and curriculum. This iterative process ensures that the educational content remains relevant, aligns with industry requirements, and incorporates the latest developments.

Recognizing the significance of research, the university empowers faculty members in their research projects, publications, patents, awards, and consultancy activities. By fostering a culture of innovation and academic growth, the university contributes to its academic excellence.

Smart classrooms have been introduced, equipped with ICT tools to facilitate advanced teaching and learning. These modern learning environments enhance engagement, interactivity, and content delivery effectiveness.

In conclusion, the IQAC's initiatives reflect a comprehensive approach to enhance education quality. By integrating technology, outcome-based education, and personalized learning paths, the university equips students with relevant skills. The feedback mechanism ensures continuous refinement, while mentorship, research support, and smart classrooms enrich the academic experience. These collective efforts contribute to a dynamic, forward-looking educational institution focused on excellence and continuous progress

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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:** B. 4 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution (Data Template)	View Document
Paste web link of Annual reports of University	View Document

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:**

The University's commitment to quality as a guiding principle is reflected in its decision-making processes and leadership in providing education. The governance of the university has put in place mechanisms to regularly monitor the quality of teaching and learning as well as research activities. This monitoring ensures that the university maintains high standards in delivering education and producing competent graduates.

Regular reviews of performance are conducted to identify areas of improvement and to implement necessary measures to enhance the quality of education. These reviews help in assessing the effectiveness of teaching methodologies, curriculum design, and learning outcomes. The university also emphasizes the importance of providing state-of-the-art infrastructural facilities to support teaching, learning, and research activities. Continuous augmentation of infrastructure ensures that students and faculty have access to modern facilities, laboratories, libraries, and other resources necessary for effective education and research. The university has witnessed significant growth in research activities, including research projects, publications, and consultancy services. This growth indicates a strong focus on promoting research culture and encouraging faculty members to engage in impactful research endeavors. Additionally, the university recognizes the importance of continuous learning and development for faculty and staff members. Therefore, faculty development programs, staff development programs, and

workshops for technical and laboratory assistants are organized to enhance their skills and knowledge.

To further enhance the learning experience of students, the university organizes various training programs that supplement their academic curriculum. These programs aim to equip students with practical skills and industry-relevant knowledge, preparing them for their future careers. Reforms in evaluation procedures have been implemented to ensure fair and comprehensive assessment of students' academic performance. These reforms promote a holistic approach to evaluation, taking into account not only theoretical knowledge but also practical skills and application of concepts.

The university actively encourages student participation in co-curricular and extracurricular activities, recognizing the importance of holistic development. Such activities provide students with opportunities to showcase their talents, enhance their leadership skills, and foster a sense of teamwork and collaboration. There is a strong focus on student placements and internships, with the university striving to establish partnerships with industries and organizations to facilitate meaningful employment opportunities for students. This emphasis on placements and internships ensures that students gain practical exposure and industry experience, making them more employable.

Curriculum changes are incorporated to align with industry needs, ensuring that students acquire the necessary knowledge and skills that are in demand in the job market. The university regularly reviews and updates the curriculum to keep pace with changing industry trends and technological advancements.

The university recognizes the importance of Information and Communication Technology (ICT) in education and has strengthened its ICT infrastructure. This includes providing advanced technological tools and resources for teaching and learning activities, promoting digital literacy among students and faculty, and leveraging ICT for effective communication and collaboration.

Experiential learning is given due importance, and laboratory resources are continually strengthened to provide students with hands-on practical experiences. Well-equipped laboratories enable students to apply theoretical concepts and develop practical skills, fostering a deeper understanding of their subjects.

Overall, the university's initiatives and investments in various areas, such as research, faculty and staff development, library resources, student training, evaluation procedures, placements, curriculum reforms, ICT infrastructure, and laboratory resources, demonstrate its commitment to providing a comprehensive and enriching educational experience for its students.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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:

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

The University has implemented several measures and initiatives to promote gender equity and create a supportive environment for female students. One of the key aspects is ensuring that every girl student feels free from anxiety, depression, stress, loneliness, and is able to adjust well to the university environment. This is achieved through various support mechanisms and resources that address the specific needs and challenges faced by female students.

The University recognizes the importance of having a diverse and inclusive faculty and staff. It has a significant number of women teaching faculty and supporting staff members working at various levels. This not only provides role models for female students but also promotes a gender-balanced environment that encourages equal participation and opportunities. Women faculty members play an active role in organizing various workshops, conferences, seminars, guest lectures, orientation programs, and refresher courses. These events provide platforms for knowledge sharing, skill development, and networking opportunities. The active involvement of women faculty helps in creating a supportive and inclusive academic community that nurtures the growth and success of female students. Additionally, the University have specific initiatives in place to address issues related to gender-based discrimination, harassment, and safety.

Furthermore, the University encourages the participation of female students in leadership roles, extracurricular activities, and sports. This helps in fostering confidence, empowering women, and breaking gender stereotypes. The University also provide scholarships, financial aid, or other forms of support to female students to ensure equal access to education and opportunities.

Overall, the University's measures and initiatives for gender equity demonstrate its commitment to creating an inclusive and empowering environment where female students can thrive academically, professionally, and personally. The construction of a dedicated Women's Welfare Office at JNTUA is a significant initiative towards promoting gender equity and providing essential facilities for female students, faculty, and staff. The allocation of funds, amounting to 36 lakhs, highlights the University's commitment to creating a supportive and inclusive environment for women.

The Women's Welfare Office serves as a dedicated space where various welfare programs and activities can be organized to address the specific needs and concerns of women on campus. The inclusion of facilities such as a gymnasium and restrooms further enhances the well-being and comfort of female members of the university community.

The gymnasium within the Women's Welfare Office provides an opportunity for female students, faculty, and staff to engage in physical fitness activities, promoting a healthy lifestyle and overall well-being.

Regular exercise not only contributes to physical health but also has positive effects on mental well-being and stress management.

The provision of dedicated restrooms is essential for ensuring privacy, convenience, and hygiene for women on campus. Having separate and well-maintained restrooms specifically designed for women promotes their comfort and enhances their overall experience at the university.

By investing in the construction of the Women's Welfare Office and providing facilities like a gymnasium and restrooms, JNTUA demonstrates its commitment to supporting the holistic development and well-being of women in the university community. These facilities contribute to creating an inclusive environment where women feel valued, safe, and empowered to pursue their academic and personal goals

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	View Document
Annual gender sensitization action plan	View Document

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: B. 3 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

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:

Waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management. Jawaharlal Nehru Technological University Anantapur (JNTUA) has demonstrated a strong commitment to water conservation through a series of innovative techniques. One notable approach is the implementation of pits and percolation tanks to enhance groundwater levels and quality. By creating these structures, rainwater is harnessed and directed into reservoirs, allowing it to gradually infiltrate the ground and recharge aquifers. This method not only combats water scarcity but also revitalizes ecosystems and supports sustainable agricultural practices.

In parallel, JNTUA focuses on effective solid waste management strategies to promote environmental cleanliness. The deployment of solid waste collection bins encourages proper waste disposal, discouraging littering and maintaining community aesthetics. Additionally, the university has integrated cutting-edge solutions such as pneumatic pipes for waste collection. This underground network efficiently transports waste to central collection points, minimizing traffic congestion and reducing the carbon footprint associated with traditional collection methods. Moreover, JNTUA's initiative to convert solid waste collection pits into nutrient-rich manure exemplifies a circular economy approach. This process not only diverts waste from landfills but also produces valuable resources for agriculture, contributing to sustainable land use and reducing the environmental impact of waste.

Furthermore, JNTUA recognizes the significance of wastewater recycling as a vital component of its sustainability efforts. The university employs advanced treatment processes to cleanse wastewater, making it suitable for non-potable applications. This reclaimed water is then utilized for activities such as irrigation, industrial processes, and non-drinking domestic uses. By adopting wastewater recycling, JNTUA addresses the dual challenge of water scarcity and pollution, lessening the strain on freshwater sources while mitigating the release of contaminants into natural water bodies. These integrated approaches underscore JNTUA's commitment to responsible resource management, fostering a greener and more sustainable campus environment.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document

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

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document

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

File Description	Document
Various policy documents / decisions circulated for implementation	View Document

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	View Document
Certification by the auditing agency	View Document

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	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document

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:

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities

JNTUA embraces diversity and acknowledges the presence of students from various backgrounds, including international, national, regional, linguistic, communal, and socioeconomic diversities. The university recognizes the richness and value that diversity brings to the educational experience and is committed to promoting inclusivity and unity among its student body.

The teaching and non-teaching staff members at JNTUA also hail from different states and possess diverse backgrounds. This diversity among the faculty and staff contributes to a vibrant and multicultural learning environment. It provides students with exposure to different perspectives, experiences, and knowledge, enriching their overall educational journey.

The institution places great importance on empowering students with moral and ethical values. By instilling these values, the university aims to foster harmony, understanding, and respect among students, regardless of their cultural or social backgrounds. This focus on moral and ethical education contributes to the holistic development of students, preparing them not only for their academic pursuits but also for their roles as responsible and compassionate citizens.

JNTUA aligns its objectives with the higher education policies of the nation, which emphasize providing education to all students. The university's mission reflects this commitment by striving to offer quality education and equal opportunities to students from diverse backgrounds. By embracing diversity and promoting inclusivity, JNTUA creates a welcoming and conducive environment for all students to learn, grow, and succeed.

The NSS camp at JNTUA initiated a program with a focus on Swachh Abhiyan (Cleanliness Campaign) to restore the greenery of the surrounding villages and accelerate efforts towards achieving sanitation. The specific villages targeted for this initiative were Ganda-boyana palle, Kothakurava palle, and Itlam vari palle.

The NSS team, consisting of 60 students, began their activities at 9 A.M. in the morning. They split into smaller groups, with each batch taking responsibility for a particular village. The primary objective was to make the villages clean and green.

The students started by cleaning up the entire surroundings. They diligently collected and properly disposed of plastic waste, ensuring it was appropriately recycled or disposed of in an environmentally friendly manner. Glass pieces were carefully handled and placed in a safe location. The students also practiced waste segregation, separating wet and dry waste to facilitate proper disposal. They actively collected any unnecessary waste that could contribute to pollution and ensured its appropriate disposal.

By actively participating in this Swachh Abhiyan initiative, the NSS team aimed to make a positive impact on the cleanliness and environmental well-being of the targeted villages. Through their dedicated efforts, the students demonstrated their commitment to creating a healthier and more sustainable living environment for the residents of these villages.

Every year the University also conducts “Ethnic Day”, “Mother tongue Day” and “International Students Day” that involves the participation of the faculty and students, providing an opportunity to them to get exposed to diverse cultures and languages.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

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:

Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

In alignment with the vision and mission of the university, a wide range of extracurricular activities are organized throughout the assessment period to inspire students and employees to understand and internalize their constitutional obligations, values, rights, duties, and responsibilities as citizens. These activities also emphasize their roles and responsibilities towards their families, friends, faculty and staff members, the university, and the society, ultimately benefiting the state and the country as a whole.

This initiative begins with induction and orientation programs for new students, providing them with a foundation of knowledge and values. It then continues with various personality development programs and specific courses designed to enhance their overall growth and development.

The NSS unit at the university plays a crucial role in promoting the Swachh Bharat (Clean India) initiatives, aiming to create a clean and hygienic environment. In addition to these initiatives, the unit also organizes health camps to provide free health check-ups and medicines to the community. During these health camps, medical professionals and volunteers from the university come together to offer their services and expertise. The camps provide an opportunity for the villagers to receive necessary health check-ups and consultations, ensuring that their well-being is taken care of. Medicines are also distributed to those in need, ensuring access to essential healthcare resources.

The impact of these health camps is significant, as they benefit approximately 250 people from the surrounding villages. By providing access to healthcare services and medicines, the university's NSS unit contributes to improving the overall health and well-being of the community.

These initiatives reflect the university's commitment to social welfare and community development, as it actively engages in activities that address the health needs of the local population and promote the importance of cleanliness and hygiene.

By actively engaging in these extracurricular activities and community-oriented initiatives, the university fosters a sense of social responsibility and active citizenship among its students and employees. It encourages them to contribute positively to society, making a meaningful impact and promoting a holistic development approach that goes beyond academic excellence.

In the curriculum also “Indian Constitution” and “Universal Human Values and Ethics “ are made mandatory courses.

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

File Description	Document
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	View Document
Code of ethics policy document	View Document

7.1.11

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

Response:

JNTUA celebrates a diverse range of commemorative days and religious festivals throughout the year, fostering a spirit of inclusivity and cultural diversity. The university observes national events such as National Republic Day, Indian Independence Day, and Gandhi Jayanti, which commemorate significant milestones in the history of India and pay homage to its leaders and freedom fighters.

Additionally, special days like World Earth Day, Dr B.R Ambedkar Anniversary, English Language Day, World International Property day, National Science Day, National Sports Day, Teacher's Day, National Mathematics Day, and Engineers Day are celebrated to acknowledge and appreciate the contributions of scientists, athletes, teachers, mathematicians, and engineers to society.

In recognizing the religious and cultural diversity of its student body, JNTUA also observes various festivals and religious days. These include Durga Puja, Holi, Ganesh Chaturthi, Maha-Shiva Ratri, Basanta Panchami, Ram Navami, Janmasthan, Good Friday, Diwali, Bonalu, Bathukamma, Id-Ul-Fitre, Id-Ul-Juha, Muharram, and Christmas, among many others. By observing these festivals, the university creates an inclusive environment where students from different backgrounds can celebrate and embrace their cultural heritage.

The celebration of these commemorative days and festivals reflects the university's commitment to promoting cultural harmony, respect for diversity, and providing a vibrant and enriching educational experience for all its students

JNTUA's cultural fest, Dynamechs, is a vibrant and eagerly anticipated event that showcases the rich cultural diversity and talents of its students. Held annually in the month of March, the four-day festival brings together students from various disciplines to participate in a wide range of cultural activities and competitions.

During Dynamechs, students engage in various competitive events that cater to different interests and talents. These events include cue games, singing competitions, drawing competitions, parliamentary debates, ad-mad challenges, quizzes, photography exhibitions, and more. Through these activities, students have the opportunity to showcase their skills, creativity, and knowledge in a fun and competitive environment.

The cultural fest serves as a platform for students to express themselves, develop their talents, and foster a sense of camaraderie and healthy competition among their peers. It promotes a lively and inclusive atmosphere on campus, encouraging students to actively engage in cultural and artistic pursuits.

By organizing Dynamechs, JNTUA not only celebrates the diverse cultural heritage of its students but also provides a platform for personal growth, self-expression, and the development of essential skills such as teamwork, creativity, and public speaking. It fosters a spirit of enthusiasm, unity, and pride among the student community, contributing to a vibrant and dynamic campus life.

Every year the University also conducts “Ethnic Day”, “Mother tongue Day” and “International Students Day” that involves the participation of the faculty and students, providing an opportunity to them to get exposed to diverse cultures and languages.

File Description	Document
Geotagged photographs of some of the events	View Document
Any other relevant information	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

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: Upliftment Of the Students from Rural Backward and Border-belt areas through Quality Education

Best Practice 2

2. Title of the practice: Harnessing of Solar Energy

Details added as supporting document

File Description	Document
Best practices in the Institutional web site	View Document
Any other relevant information	View Document

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:

The vision of the institute is to emerge as a world-class Technological University, excelling in the realms of teaching, groundbreaking research, and consultancy across various disciplines including Engineering, Science & Technology, Pharmaceutical Science. This dedication stems from the aspiration to equip stakeholders with the prowess to thrive on the global stage. Achieving this vision is grounded in a multi-faceted approach.

Firstly, the institute places a paramount emphasis on curriculum development, ensuring its continual evolution to align with societal needs and industrial demands. This approach guarantees that graduates are not only well-versed in their respective fields but also well-prepared to meet real-world challenges head-on. Secondly, the institute prides itself on its research endeavors spanning intra, inter, multi, and trans-disciplinary domains. This dynamic approach fosters innovation and facilitates holistic problem-solving. The goal is to create a research environment that remains in sync with contemporary demands while anticipating future trends.

Thirdly, the institute is committed to providing a quality education that goes beyond theoretical knowledge. By honing employability skills and nurturing an entrepreneurial mindset through a startup-friendly ecosystem, students are empowered to not only secure jobs but also contribute to the creation of new opportunities.

The institute's technological infrastructure is a testament to its commitment to excellence. A state-of-the-art ICT network ensures seamless connectivity and modern research laboratories embody the institute's dedication to creating an environment conducive to cutting-edge research and innovation

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The College of Engineering, Anantapur, had its origins in Guindy, Madras (now Chennai) in 1946. It was initially established in Guindy, a neighborhood in Madras, as a part of the effort to provide quality technical education in post-independence India. However, in 1948, the college was shifted to Anantapur, a city in Andhra Pradesh, where it is presently located. The College of Engineering, Anantapur, has since become a part of Jawaharlal Nehru Technological University Anantapur (JNTUA), which is a prominent technical university in the state of Andhra Pradesh. JNTUA has consistently aimed for excellence in education and research, and the College of Engineering, Anantapur, shares this commitment. The institution's primary focus has been on nurturing students' character, capacities, and motivation, with the aim of producing responsible and competent citizens who can contribute meaningfully to the country's development.

Over the years, the College of Engineering, Anantapur, has worked towards improving its academic and research programs. This improvement is essential to keep up with advancements in various fields of engineering and technology. By enhancing its academic offerings and research opportunities, the institution can better prepare its students for the evolving demands of the modern world.

The college has emphasized the importance of a strong value system. This refers to inculcating values such as ethics, integrity, social responsibility, and professionalism among its students. A strong value system can play a crucial role in shaping the character and behavior of individuals, ensuring that they become not only skilled professionals but also responsible and conscientious citizens.

Concluding Remarks :

Jawaharlal Nehru Technological University Anantapur (JNTUA) stands as a beacon of modern education, meticulously crafting its curriculum to remain in harmony with the dynamic demands of both society and industry. The university's embrace of the Choice-Based Credit System (CBCS) demonstrates a commitment to offering students a versatile and tailored education. This system, encompassing core, elective, and value-added courses, not only empowers students to pursue their passions but also integrates critical cross-cutting themes like environmental sustainability, gender sensitization, and social justice into the curriculum. By doing so, JNTUA ensures that graduates emerge not only as technically adept professionals but also as conscientious and socially aware citizens.

Within the realms of teaching and learning, JNTUA has laid a strong foundation. The university has meticulously designed and implemented effective pedagogical methods and evaluation processes. This ensures that students are exposed to a high-caliber education that not only imparts knowledge but also nurtures their holistic growth. This well-rounded education prepares them for the multifaceted challenges they will encounter both in their personal lives and their chosen professions.

JNTUA's role as a catalyst for research and innovation cannot be overstated. The university's nurturing environment fosters the spirit of inquiry and creativity among its members. By actively facilitating interdisciplinary research initiatives and forging collaborations with industries, JNTUA sparks innovation that has the potential to transform industries and society at large. This commitment to fostering entrepreneurship not only contributes to economic growth but also equips students with the mindset and skills required to thrive in

an ever-evolving landscape.

The institution's physical infrastructure is a testament to its dedication to excellence. State-of-the-art facilities, including e-classrooms, laboratories, libraries, seminar halls, auditoriums, and sports amenities, offer a conducive environment for learning, research, and personal growth. This commitment extends to the library, which boasts updated and relevant learning resources. These resources not only shape the university's image in the eyes of its student community but also serve as essential tools for comprehensive learning and research endeavors.

JNTUA's vision, mission, and goals are thoughtfully crafted to align with the aspirations and expectations of its stakeholders. This strategic alignment is further reinforced by the university's transparent and participatory decision-making process. By engaging all stakeholders—faculty, students, staff, and alumni—in these processes, JNTUA ensures that its policies and initiatives resonate with the collective wisdom and aspirations of its community. This inclusive approach cultivates a sense of shared ownership and a vibrant educational ecosystem. JNTUA stands as a dynamic institution that shapes education beyond the conventional boundaries. By blending a responsive curriculum, effective teaching methodologies, research prowess, superior infrastructure, and stakeholder engagement, the university not only imparts education but also nurtures well-rounded individuals who are primed to lead, innovate, and contribute positively to society.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification										
3.1.5	<p>Institution has the following facilities to support research</p> <ol style="list-style-type: none"> 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 <p>Answer before DVV Verification : B. 3 of the above Answer After DVV Verification: A. 4 or more of the above Remark : DVV has made the changes as per shared report of research facilities by HEI.</p>										
3.4.2	<p>The institution provides incentives to teachers who receive state, national and international recognitions/awards</p> <ol style="list-style-type: none"> 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 <p>Answer before DVV Verification : C. 2 of the above Answer After DVV Verification: B.. 3 of the above Remark : DVV has select B.. 3 of the above as per shared e-copies of award letters by HEI.</p>										
3.6.2	<p>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</p> <p>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.</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2</td> <td>0</td> <td>1</td> <td>0</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	2	2	0	1	0
2021-22	2020-21	2019-20	2018-19	2017-18							
2	2	0	1	0							

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
18	12	10	15	9

Remark : DVV has made the changes as per e-copies of award letters.

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

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.

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
11212	5641	4712	5197	6838

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
6264	5641	4712	5197	5381

Remark : DVV has made the changes as per shared students report.

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.

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.

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
4	2	4	4	12

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
9	6	8	5	4

Remark : DVV has made the changes as per HEI clarification on MoUs.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1422	2285	1883	1838	1099

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1102.3	1425.32	123.52	1125.63	653.25

Remark : DVV has made the changes as per shared report.

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1317	1005	1025	1071	998

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1317.00	1005.00	1025.00	1071.00	998.00

Remark : DVV has converted the value into lakhs.

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).**

	<p>Answer before DVV Verification : A. Any 5 or more of the above Answer After DVV Verification: B. 4 of the above Remark : DVV has made the changes as per shared report.</p>
7.1.2	<p>The Institution has facilities for alternate sources of energy and energy conservation measures</p> <ol style="list-style-type: none"> 1. Solar energy 2. Biogas plant 3. Wheeling to the Grid 4. Sensor-based energy conservation 5. Use of LED bulbs/ power efficient equipment <p>Answer before DVV Verification : C. 2 of the above Answer After DVV Verification: B. 3 of the above Remark : DVV has select B. 3 of the above as per shared photos of Solar energy , report and MoUs of Wheeling to the Grid and Sensor-based energy conservation.</p>

2.Extended Profile Deviations

ID	Extended Questions																				
1.5	<p>Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2739</td> <td>3290</td> <td>2908</td> <td>2909</td> <td>2007</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>2739.00</td> <td>3290.00</td> <td>2908.00</td> <td>2909.00</td> <td>2007.00</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	2739	3290	2908	2909	2007	2021-22	2020-21	2019-20	2018-19	2017-18	2739.00	3290.00	2908.00	2909.00	2007.00
2021-22	2020-21	2019-20	2018-19	2017-18																	
2739	3290	2908	2909	2007																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
2739.00	3290.00	2908.00	2909.00	2007.00																	