



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution

JAWAHARLAL NEHRU TECHNOLOGICAL
UNIVERSITY HYDERABAD

- Name of the Head of the institution Prof. V. Balakista Reddy
- Designation Vice-chancellor i/c
- Does the institution function from its own campus? Yes
- Phone no./Alternate phone no. 04023158661
- Mobile no 9440858664
- Registered e-mail diqac@jntuh.ac.in
- Alternate e-mail address dap@jntuh.ac.in
- City/Town HYDERABAD
- State/UT TELANGANA
- Pin Code 500085

2.Institutional status

- University State
- Type of Institution Co-education
- Location Urban

- Name of the IQAC Co-ordinator/Director **Dr.M.V.S.S.Giridhar**
- Phone no./Alternate phone no **7780411790**
- Mobile **9440590695**
- IQAC e-mail address **diqac@jntuh.ac.in**
- Alternate Email address **dap@jntuh.ac.in**

**3.Website address (Web link of the AQAR
(Previous Academic Year)**

<https://jntuh.ac.in/content/agar-reports/68/3d5db2d4359f0386f61f9380657b0abf>

4.Whether Academic Calendar prepared during the year?

Yes

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

https://jntuhceh.ac.in/academic_calenders

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	85.70	2004	03/05/2004	02/03/2009
Cycle 2	A	3.01	20217	12/09/2017	11/09/2022
Cycle 3	A+	3.32	2023	22/02/2024	21/02/2029

6.Date of Establishment of IQAC

22/03/2016

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

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
JNTUH	WOMEN SCIENTISTS SCHEME -A (WOS-A)	DST	2021	30 lakhs
JNTUH	CSIR-HRDC	CSIR	2020	20 lakhs
JNTUH	AICTE	AICTE	2020	24.33 lakhs
JNTUH	DST	DST	2020	670 lakhs
JNTUH	AICTE RPS	AICTE	2020	12.54 lakhs
JNTUH	INDUSTRY R&D PROJECT	NA	2020	15 lakhs
JNTUH	DST	DST	2020	59.28 lakhs
JNTUH	DST-SERB	DST	2020	26 lakhs
JNTUH	AICTE	AICTE	2020	15 lakhs

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9.No. of IQAC meetings held during the year **05**

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) **Yes**
- (Please upload, minutes of meetings and action taken report) [View File](#)

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

- If yes, mention the amount

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

IQAC suggested to participate in NIRF ranking and also advised to apply for NBA for different Departments of the Units. Few Departments are accredited by NBA Qualitative measures has to be implemented in all the Units for Research, Teaching, Learning and student achievements. Sports and other cultural activities are to be conducted for the students. Suggested to improve the extension activities of the University.

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

Plan of Action	Achievements/Outcomes
NIRF RANKING	88
NAAC GRADING	A+
Usage of ICT Tools	Successfully used ICT tools effectively for delivering the Lecturers

13. Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
STEERING COMMITTEE MEETING	26/09/2024

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

15. Whether institutional data submitted to AISHE

Part A**Data of the Institution**

1.Name of the Institution	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
• Name of the Head of the institution	Prof. V. Balakista Reddy
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• Location	Urban
• Name of the IQAC Co-ordinator/Director	Dr.M.V.S.S.Giridhar
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• Name of the statutory body	
Name	Date of meeting(s)
STEERING COMMITTEE MEETING	26/09/2024
14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?	Yes
15. Whether institutional data submitted to AISHE	
Year	Date of Submission
2023-24	05/09/2023
16. Multidisciplinary / interdisciplinary	
JNTUH introduced multidisciplinary and interdisciplinary courses to provide a more comprehensive understanding of a topic or	

problem by drawing on multiple disciplines. This approach helps students to gain a deeper and more nuanced perspective on complex issues. These courses help students to develop the ability. In view of this JNTUH introduced interdisciplinary courses in UG & PG level like Constitution of India, Environmental Science, English for Research Paper Writing, Value Education, Computer related courses, Software related courses etc. The job market is becoming increasingly multidisciplinary and interdisciplinary, with many employers looking for employees who can think critically and creatively across multiple disciplines. Multidisciplinary and interdisciplinary courses can help students develop these skills and prepare them for the changing job market. As per the requirement of the present trends the multidisciplinary courses are offering for circuit and non-circuit branches like Artificial Intelligence, Research Methodology & IPR and Introduction to Cyber security. These courses can help bridge the gaps between different fields of study and promote collaboration and communication across disciplines. JNT University Hyderabad is actively involved in collaborative programs. The University revises the syllabi for the UG and PG programmes regularly to meet the industry requirements and also to keep up with the day-to-day technological developments. A separate Board of Studies has been constituted for each Department/Centre. The Boards of Studies consists of faculty members from various prestigious organizations like IITs, NITs, IIITs, JNTUH, Industry/R&D, Alumni, Other Universities/Colleges and Senior faculty members of the respective departments. Our University is implementing Outcome Based CBCS (Choice Based Credit System) which is student centric with more emphasis on practice than theory, job-oriented and to compete gradually with other accreditations. By introducing multidisciplinary and interdisciplinary courses in the curriculum provides valuable tool for promoting cross-disciplinary thinking, problem-solving, and innovation.

17.Academic bank of credits (ABC):

The academic bank of credits is a system that allows students to accumulate credits for completed courses and use them towards their degree requirements at a later time. The JNTUH provides academic bank of credits to administer and oversee the program, ensuring that it operates smoothly and efficiently. Specifically, the university is responsible for establishing the criteria for credit transfer and assessing the quality of the courses that are eligible for credit. This may involve evaluating the syllabus, course content, and teaching methods to determine

whether they meet the standards of the JNTUH. The university also plays a role in advising students on the use of the academic bank of credits. This may involve helping students to identify which courses are eligible for credit transfer, and how they can best use their accumulated credits to meet their degree requirements. JNTUH has registered in National Academic Depository for sharing student academic credentials of University Colleges. As UGC has instructed to board in Digilocker for sharing all academic credentials, JNTUH has registered in Digilocker and is in the process of collecting the required data to upload academic marks of the students. Academic Bank of Credits also provides facilities to students to store all the academic credits earned from the MOOC platforms such as SWAYAM and NPTEL. The transfer of Student's credits earned through MOOC Portal to the Academic Credit Bank is initiated.

18.Skill development:

Skill development programs in JNTUH have been designed to enhance the skills and knowledge of students in specific areas to prepare them for the demands of the job market. This can include technical skills, such as programming or data analytics, as well as soft skills, such as communication and teamwork. These courses can help the Students to align with the needs of the industry. Skill development programs can also promote lifelong learning by encouraging students to continue developing their skills and knowledge throughout their careers. Skill development is given due importance in all UG & PG programmes to the tune of certain weightage in the curriculum. This JNTUH has classified the skill into two kinds, viz generic skills, and domain-specific skills. The generic skills include critical analysis, design thinking, professional communication skills and necessary skills as per the global requirements. Value-added courses, interdisciplinary approaches, and students' participation in seminars and workshops, internships, and projects provide opportunities to learn such generic skills. Domain specific skills are given due importance in all UG & PG programmes. In line with the guidelines of NEP 2020, the JNTUH has established the University Industry Interaction Centre (UIIC). Through this centre, JNTUH has signed MoUs with several industries/companies and the following activities have been conducted, the details are mentioned below:-

- A one day workshop on Aptitude and Reasoning'
- MEGA JOB FAIR have been conducted for the Telengana region total 144 companies participated and around 65000 unemployed youth registered in online to participate in the Job Fair.
- Webinar on "Etiquette for Professional Engineers
- Webinar on

"Invaluable Internships" • Webinar on "Inevitable Hackathons" • Webinar on "Key Skills for Placements - Future Skills" • Are We Bridging the Gap Right? • A Mega Internship Fair in collaboration with HYSEA and TASK with the cooperation of CONDUIRA.

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

The first step is to identify the Indian knowledge systems that are relevant to the subject matter being taught. This may involve reviewing ancient texts, consulting with experts, and engaging with local communities. JNTUH is mapping the Indian knowledge systems to the existing curriculum. This may involve identifying areas where Indian knowledge systems can be integrated into the curriculum, such as specific courses or topics. Once the Indian knowledge systems have been identified and mapped to the curriculum, appropriate pedagogical approaches need to be developed. This may involve developing new teaching methods, materials, and assessments. Faculty and staff need to be trained in the appropriate pedagogical approaches and Indian knowledge systems. This may involve workshops, seminars, and other forms of professional development. Indian knowledge systems should be incorporated into the assessment process to ensure that students are being evaluated on their understanding and application of this knowledge. JNTUH has been efficient enough in the transfer of traditional knowledge acquired from indigenous communities, in and around the Telangana State. JNTUH have incorporated traditional based courses in the curriculum such as Sanskrit for Technical Knowledge , Stress Management by Yoga, Personality Development through Life Enlightenment Skills, Plant Biotechnology, Immunotechnology , Virology, Fermentation Technology, Food Science & Technology, Value education, Research Methodology & Intellectual Property Rights, Herbal Cosmetics and Entrepreneur Management.

20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The JNTUH has taken up the responsibility for defining the learning outcomes that students are expected to achieve. This involves identifying the knowledge, skills, and attitudes that students should be able to demonstrate upon completing the program. Once the learning outcomes have been identified, the JNTUH is responsible for designing a curriculum that supports the achievement of those outcomes. This may involve selecting appropriate courses, developing learning activities, and providing appropriate resources. The JNTUH is responsible for aligning assessments with the desired learning outcomes. This may

involve developing assessment rubrics and aligning assessment tasks with the identified learning outcomes. The JNTUH is responsible for monitoring student progress toward the desired learning outcomes. This involves regular feedback from students, tracking their performance, and providing support where needed. The University evaluates the effectiveness of the program in achieving the desired learning outcomes, by collecting data on student performance and analyzes the results. JNTUH with the motto of "Gateway of Excellence", has accentuated outcome-based education ensuring that the outgoing students are well equipped with skills and knowledge to pursue their careers. The Mission, Vision, Program Objectives, and raduate attributes of the Institution are aligned on the same path to achieve the creation of responsible citizens with a well-defined focus on their future and well-endowed with appropriate skill sets. The challenges faced during the implementation are at the level of perception, structural alignment, implementation, curriculum construction, delivery methods, and assessments. All these are being addressed to overcome gradually. The major challenge of assessing the student's skill levels in domain-specific areas is being addressed by creating a properly designed assessment system in collaboration with various reputed Organizations. Teachers' subjectivity also plays a role in assessing and teachers are allowed to create their assessment tools which have embodied assessment of team learning, project-based learning, case analysis, and other participatory methods used for various courses. Active learning as a team is promoted in most of the courses. Another challenge in OBE is that the difficulty level of question paper is not measured to higher order accuracy, which needs to be eliminated. JNTUH is striving to elevate the academic life of all the students passing through the Institution by empowering them with a defined focus on careers and the required skill sets to achieve their dream careers.

21.Distance education/online education:

The use of distance education/ online education has several benefits. Students can learn at their own pace and on their own schedule, which allows them to balance their studies with work, family, and other obligations. Distance education is accessible to students who may not have the ability to attend traditional classes, such as those who live in remote areas. Distance education can be more affordable than traditional education because students do not have to pay for transportation accommodation, or other expenses associated with attending classes on campus. Distance education can also enhance students'

technological skills, which are increasingly important in today's job market. The Directorate of Innovative Learning & Teaching of JNTUH, provides in depth knowledge of the understanding of the technology to meet the industry requirements & helps in staying competitive. It mainly focused on job aspirants for the enhancement of employability opportunities for Graduates and also for working professionals by providing wide range of skills to deal with complex projects that help the individuals to quickly advance in their career. Organizing Certificate Courses hold wide scope and better opportunities for faculty through the improvement of their teaching skills & knowledge in the upcoming areas. Also organizing Online Certificate Courses gives an opportunity to the students for credits transfer as per National Education Policy (NEP-2020). The Virtual classes are held during the evening hours for students & working professionals to comfortably attend the sessions. The classes will be live interactive sessions handled by experts from reputed institutions and Industry experts to impart theoretical knowledge along with hands on experience. The following certificate courses are offered by the SCDE • Data science with python programing • Python Programming for Data Science • Machine Learning and Deep Learning for Data Science • Natural Language Processing and Big Data • Block chain technology • BLOCKCHAIN • BITCOIN • Ethereum, Smart contract, Hyper ledger , Solodity programming and block chain applications • Cloud & DevOps • Cloud Technology AWS & Microsoft Azure • Continuous Integration/ Continuous deployment with Git, Jenkins and Ansible • Infrastructure provisioning with Docker, Kubernetes and Terraform • ARTI FICIAL INTELLIGENCE AND MACHINE LEARING • Artificial Intelligence and Machine learning • Machine Learning (Supervised & Unsupervised learning) • Machine Learning - Natural Language Processing • Artificial Intelligence - (Deep Neural Networks, Convolutional Neural Networks) • Artificial Intelligence - Natural Language Processing with Deep Learning • Artificial Intelligence Time Series (RNN), Computer Vision and Model Deployment.

Extended Profile

1.Programme

1.1

60

Number of programmes offered during the year:

File Description	Documents
Data Template	View File

1.2	19
Number of departments offering academic programmes	
2.Student	
2.1	5309
Number of students during the year	
File Description	Documents
Data Template	View File
2.2	1320
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	View File
2.3	8052
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	View File
2.4	329
Number of revaluation applications during the year	
3.Academic	
3.1	1157
Number of courses in all Programmes during the year	
File Description	Documents
Data Template	View File
3.2	245
Number of full time teachers during the year	

File Description	Documents
Data Template	View File
3.3	275
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	15552
Number of eligible applications received for admissions to all the Programmes during the year	
File Description	Documents
Data Template	View File
4.2	1456
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	View File
4.3	121
Total number of classrooms and seminar halls	
4.4	1232
Total number of computers in the campus for academic purpose	
4.5	4682.36
Total expenditure excluding salary during the year (INR in lakhs)	

Part B

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 University

Jawaharlal Nehru Technological University Hyderabad is offering 11 B. Tech., 6 Integrated Dual Degree UG programs, 26 M. Tech., 4 M. Pharmacy., 8 M.Sc., 2 MCA, 1 MBA and 2BBA programs and Doctoral Programs in various disciplines of Engineering, Technology, Science, Management and Humanities. In its quest for excellence the university has adopted a well-structured mechanism for the effective implementation and delivery of the curriculum. The University has carefully designed its curriculum keeping the current trends of National needs in appropriate Technology, Entrepreneurial Skill Development etc. The focus of curriculum development is to disseminate advanced knowledge in an interdisciplinary framework. The curriculum of the University is reviewed every 4 years for UG and 2 years for PG programs to make it socially relevant, job oriented and to meet the growing needs of students and other stakeholders. The Program Educational Objectives, Program Specific Outcome, and Course Outcome are designed in consonance with the graduate attributes of programs. Faculty are educated on OBE in order to formulate POs, PSOs, COs for all programs through extensive training and workshops. The students are given adequate choice between discipline specific, interdisciplinary and multidisciplinary electives and can choose online elective courses, based on their aptitude, skill, and aspiration through MOOCs Courses, especially from SWAYAM, woven into academic structure. The institute has introduced mandatory courses on Human Values, Professional Ethics, Constitution of India, Environmental Science and Gender Sensitization courses in all UG programs and encourage Field Projects and Internships etc. Advanced Communication Skills course is included in curriculum to emphasize English language communication skills.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

56

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

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

1304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

1304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

56

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

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

The university offers professional courses encompassing the domains of different fields of engineering and technology like civil, mechanical, electrical, electronics and communication, computer science, metallurgy, chemical and other allied specialisations for post-graduation courses. The other programs in the university are post graduate programs in applied sciences, pharmaceutical sciences, bio technology, nano technology, remote sensing, spatial information technology, energy systems and interdisciplinary are being offered. The different programs are incorporated with gender, human values, environmental and energy sustainability etc. The courses offered in the curriculum are Gender sensitization, Environmental Studies, disaster management, constitution of India, managerial economics and financial accountancy, cyber security etc are the part of undergraduate programs. This enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. The Environmental Studies is an interdisciplinary course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues. Disaster Management is offered as an open elective to understand various types of natural and man-made disasters, their occurrences, effects, mitigation and management systems in India, the role of Geographical Information Systems and Remote Sensing Technology in Disaster Mitigation and Management. In post graduate programs, research methodology, intellectual property rights, cyber security, renewal energy sources, water resources management, remote sensing, environmental science, environment, sustainability etc.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

49

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above**1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year**

2123

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

890

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System**1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni**

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile**

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2592

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

1439

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

JNTUH University attracts fairly good students through only common entrance examinations. University strives hard to design student-centric approaches and activities to address the individual requirements of different levels of students as they come from diverse socio-economic backgrounds and medium of instruction in schoolings. Based on their background, language proficiency, confidence level, competency and learning levels, etc., also vary.

IDENTIFICATION OF SLOW LEARNERS At the First Year Level. At this level, the students would be academic oriented. Slow learners are identified based on the score obtained in Intermediate and rank in the EAMCET entrance examination. In the process, the slow learners are identified by finding their weaknesses such as finding self-directing learning skills of students. o Habits of learning very slowly and forgetting quickly.

At the Second Year Level: At this level, the students must be academic oriented. Slow learners are identified by the following factors : Based on their performance in university examinations of previous semester and internal examinations, by posing few oral questions and observing

theresponses given by the students, based on their class attendance and attentiveness in the class. At the third year, final year and PG level: At this level, the students need to be career oriented. Slow learners are identified by conducting intelligence tests, conducting aptitude tests, communication, group discussions and presentations skills. SUPPORT POLICY FOR SLOW LEARNERS Mentoring and Counseling. IDENTIFICATION OF ADVANCED LEARNERS and ADVANCED LEARNERS ENCOURAGEMENT POLICY.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
5309	245

File Description	Documents
Upload relevant supporting document	View File

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

The teaching-learning process is one of the major strengths of our university. A right blend of traditional and modern methods is used to make learning student-centric and also a rewarding experience. Activities related to Experiential Learning includes field Industrial Visits, Industry Oriented Internships in Mathworks, Google, Amazon AMD etc, major Projects, mini Projects, Organizing and participating in various Seminars, Workshops Hackathons. Professional body chapter activities like IEEE Student branch activities, CSI etc. University has established Industry Institute Interaction Cell to provide a platform for students to have Industry linkages. Also students are encouraged to do Value added courses and MOOCs courses as part of Curriculum in order to expose the student to eminent lectures by higher learning institutions where in maximum of two elective courses per semester can be done under this category of MOOCs and the credits

earned are considered in awarding the degree. Students are encouraged to participate in NSS activities to take up socially responsible events which helps the students to learn the Art of living. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills. During pandemic, Coursera has come up with free access to its Moodle content which was promptly utilized by all the students under the University for improving their skills and also to acquire credits which are recognized all over the Country. University is sanctioned a Technology Business Incubation.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The University has adopted ICT enabled tools in the teaching and learning process to ensure that students are exposed for experienced learning. The faculty and student centric learning methods and advanced technological skills help the students to enhance their technical expertise as per the developments across the globe. Faculty use the combination of ICT enabled tools and conventional teaching methods to keep students engaged in long term learning. However, owing to the pandemic situation, education has altered considerably, with the emergence of e-learning, in which instructions are given online and on digital platforms as well. The innovations and creations of the students are encouraged by the university for participation in different activities conducted by Jhub. The university has many MOUs with different agencies of Government and non government sectors for the benefit of the students. Each department is equipped with a smart class room in which all the audio video visuals are provided to make the online classes more effective. To enhance the teaching learning process through ICT tools, full fledged internet and Wi Fi facility throughout the campus. The university libraries are well equipped with learning management system to distribute the books students and also make the students to access the e-journals using digital platforms. Surveillance cameras are provided in the entire campus for the safety of staff and students. A centralised computer lab is made available for the students to access the e content and also software.

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

245

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

245

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

169

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

4444

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

3

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

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

28

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 year

28

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

329

File Description	Documents
Upload relevant supporting document	View File

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

The University examination branch has successfully implemented IT integration for all the activities of examinations i.e., preexamination and post examinations. The subject experts of therelevant courses are identified for paper setting and collectedthrough online. The question papers are moderated by the

subjectexperts. The EDEP system has been established first of its kind in our university for the distribution of e - question paperselectronically through VPN system.The enrolment of the students forexaminations is being made through online and hall tickets are issued through online mode. Based on the registrations and timetables, the details of the students are printed on the answerbooklet in advance and the same is distributed during theexamination.Computer based test (CBT) has been introduced through online mode for the students who are not appeared for internalexaminations due to various reasons. During the evaluation process,the question wise marks are directly posted by the evaluators intothe data base. The results are processed and published throughexamination portal and student can see their results directlythrough university web portal. The university examination portal ishaving the option of student services (exams), in which the studentscan access for pre/post convocation services, online certificateverification, results verification, previous question papers,syllabus & regulations, student grievances etc.

File Description	Documents
Upload relevant supporting document	View File

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

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The University has moved from teacher centric learning to studentcentric learning by following the Outcome Based Education (OBE)system in all the programs being offered. The Directorate ofAcademic and Planning initiate and formulate the BOS membersconsisting of good mixture of academicians from IITs,

NITs, Universities, researchers from central government R&D centers, members from Alumni, senior faculty members from affiliated colleges and members from public and private industries etc. The BOS members design curriculum in line with Program outcomes which are formulated reflecting the vision mission and strategies of institute and UGC guide lines on graduate attributes by considering inputs from stakeholders. Every program has defined Program Educational Objectives (PEO) describing what the graduates are expected to attain within few years of graduation and this is closely related to how strongly a graduate has developed the competencies in terms of POs and PSOs. The course outcomes are formulated by the department in consideration with the course teachers and with expected cognitive, affective and psychomotor learning levels. The PO, PSOs and Cos are widely propagated and publicized through various means like Website, Curriculum/regulations books, Class rooms, Department Notice Boards, Laboratories, Library, student Induction Programs, Meetings/Interactions with employers, Alumni meetings, Professional Body meetings. The course delivery and assessment are planned to achieve the stated objectives and outcomes.

File Description	Documents
Upload relevant supporting document	View File

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

The outcome based education policy has been implemented across all programs of the JNTUH. The course structure for all the programs is being finalised in common board of studies meeting so as to make the composition as per the global requirements. The concerned BOS prepare the syllabi as per the course structure along with course objectives and course outcomes. Each of the courses has defined Course Outcomes (COs) in concurrence with program outcomes (POs) and program specific outcomes (PSOs). The CO indicates the competencies of the students in that particular subject. The CO attainments for both UG and PG courses are mainly evaluated through students' performance in different assessment components, like for theoretical courses, the assessments are done based on mid-semester examinations, assignments and end semester examinations. For practical courses, assessment is made day to day activities of the laboratories, by evaluating the experimental performance, report preparation, performance of internal examinations and end-semester examinations. All the assessment tasks i.e. learning activities and questions are framed such that

they are directly mapped with the COs. Every program has Program Outcomes (POs) and Program Specific Outcomes (PSOs) indicating the general and specific abilities based on graduate attributes. The COs of different courses are mapped to POs and PSOs based on their level of correlation and relevance and graduate attributes are evaluated.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1184

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

<https://jntuh.ac.in/content/feedback-reports/105/0ba76149d9aaf887765fb6884bcbd1be>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

All the units update their research facilities at frequent intervals by considering the latest technological developments and the faculty are encouraged to pursue research in their field of study and work, publish papers, and organize workshops in the area of innovations and research. The University supports the faculty in applying for various project funding schemes of the government. The TEQIP I, II and III phases has supported for the funds for procurement of latest equipment in all the units and fellowships for regular research scholars for a period of 3/5 Years. In each department a separate research laboratory has been established by

adding advanced research equipment beyond the curriculum requirements. Research grants are received by several faculty members from various agencies like AICTE/DST/UGC/DRDO/DBT etc. and these are used for establishment of modern equipment in the laboratories promoting the need based research. JNTUH has a full-fledged University Industry Interaction Centre (UIIC) which always keeps track of industrial collaboration through MoU's and continuous learning engagement and enhancement. In order to strengthen the research at JNTUH, the Directorate, R&D Cell was established and has taken proactive steps resulting in improved performance of research which is evident from the significant improvement in the number of research publication in Scopus indexed journals and research grants received from the various funding agencies. The University has established J-Hub in synchronization with T-hub of Government of Telangana and facilitating the students to materialise their ideas by conducting various student activities.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

4

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research **A. Any 4 or more of the above**
Central Instrumentation
Centre Animal House/Green House Museum
Media laboratory/Studios Business Lab
Research/Statistical Databases Moot court
Theatre Art Gallery

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year (INR in Lakhs)

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

JNTUH INNOVATION HUB (J-HUB) JHUB is the University's Innovation Ecosystem that empowers new generation graduates with Innovation mind set and support for startup incubation. Launched in January 2018, JHUB works in a Hub and Spoke model with JLABS at constituent and affiliated colleges to seed the dynamic culture of innovation, and the Central Hub at the university campus develops the knowledge, skills and experiences in translating ideas to innovations, products and startups. JLABS In the year of establishment, 25 institutions were identified to pilot JLABS and today more than 75 affiliated and constituent institutions have JLABS. JLABS served as a single point of contact for the encouragement of Innovation and Entrepreneurship activities of the institutions. UNIVERSITY HUB The Central Hub at the University campus offers access to its stakeholders, a spectrum of programs, experts, labs, equipment, collaborators, networks and spaces to catalyze innovation, knowledge and support to practice innovation and entrepreneurial skills. It is the focal point for creating technology startups and solutions critically relevant to the social and economic challenges. EXCITE EXCITE is the flagship Product Engineering Workshop designed where students are provided support to convert their ideas and initial prototypes to products. Innovation and Startup Policy for Students: JNTUH has implemented National innovation and start-up policy (NISP) to

support Tech-Startup incubation on campuses, University wide.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31

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

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following **A. All of the above**

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics

committees (Animal, chemical, bio-ethics etc)

3. Plagiarism check

4. Research Advisory Committee

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website

B. Any 3 of the above

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

40

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

59

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

357

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For A. Any 5 or all of the above
e-PG-Pathshala For CEC (Under Graduate)
For SWAYAM For other MOOCs platform
For NPTEL/NMEICT/any other Government
Initiatives For Institutional LMS

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
357	357

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
357	357

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

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

The JNTUH has a faculty-friendly Consultancy policy which includes revenue sharing between the University and the teaching and non teaching staff of various departments. The faculty members are encouraged to take up consultancy assignments from different government and private agencies. The Consultancy Policy encourages the faculty members to leverage their areas of expertise and apply them to practical problems faced by the industry and research laboratories. JNTUH has a structured policy evolved by a committee consisting with the vice chancellor as a chairman, Director (BICS) as the convenor, Registrar, Rector, Principals of various units and the Directors of all the sections as members, for consultancy projects approved by the Executive Council. The consultancy revenue earned is shared between the concerned faculty and the university as per the norms specified in the policy. The expenditure incurred for field visits, testing etc. is being borne from the consultancy fee. After the deduction of the various expenses, the University share is utilised for the procurement and established equipment required for the research and the faculty share is disbursed to the teaching/supporting staff, Coordinator, Head of the department and Principal/Director. The University provides full freedom to the Investigator/Coordinator to utilize the overheads. The major

focussed areas of Consultancy include structural designing, testing of concrete structures, soil testing, software development, design and evaluation of tractor trailers, electrical engineering, metallurgical engineering and many other projects given by the industries.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

794.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

In the line with the vision and mission, the University has defined its strategies to make the students socially conscious and to learn beyond the confines of the classrooms, the students of the University are actively engaged in various outreach and extension activities. The University has national service scheme (NSS) which involves the students and faculty members in various societal developmental issues. Some of the major activities of the NSS Unit of the University are: Health to create awareness among the Faculty and students about the importance of yoga in daily life international yoga day was celebrated on 21st June 2017 onwards. Programmes on mental health awareness were conducted to focus on the necessity of the students to train the students to face the challenges of the future by the psychologist. Environment Govt. of Telangana has launched a major initiative to plant saplings as a part of this programme, the NSS Unit of the University is actively involved in Haritha Haram (Planting of saplings) every year in the month of July - August and takes the responsibility for the growth of the plants. To create awareness

about the evil effects of plastic a programme was conducted to sensitize the students about the use of plastic. Social Responsibility To create awareness about voting in the elections and to register as a voter a one week programme on voters was conducted for the students with the initiation from the Govt.

File Description	Documents
Upload relevant supporting document	View File

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 year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

5247

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

Jawaharlal Nehru Technological University Hyderabad has adequate facilities in each campus for teaching learning activities. Each department has required number of class rooms for UG, IDP, PG and other allied programs. All departments have necessary ICT facilities including network connectivity, Wi-Fi coverage, LCD

projectors, screens, AV systems etc. University has also established smart classroom in each department with audio and video facilities and it facilitates online materials, videos, animations, subscribed research articles, presentations and demonstrations for the students' understanding. For security reasons CCTVs are made available in various places of the entire campus including hostels. The University has 1200 capacity JN Auditorium, 300 capacity UGCHRDC Auditorium, college seminar halls; departmental seminar halls, Golden Jubilee conference hall etc. are available across the campus. A wide spectrum of laboratories is operational in the departments and being effectively used for academic and research activities. Safety protocols are strictly enforced and provisions for immediate medical attention (first aid, ambulance and health centre) are available. All the laboratories are fully equipped as per the curriculum and provided with lab manuals, wi-fi access, security provisions and updates log books. University has supported by the TEQIP funds of various phases to establish the research laboratories in various departments including, centre of excellence for disaster management etc. The centralised laboratory facilities are provided for the innovative activities in JTBI (JNTUH Technology Business Incubator), J-Hub, Automation and Robotics Lab, Cybersecurity and Forensic laboratory, 24x7 computer laboratory etc.

File Description	Documents
Upload relevant supporting document	View File

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

JNTUH always gives high importance to sports and games since inception of the university. The students actively participate in inter college level, state, National level competitions. All modern facilities are provided to the students as per the requirement. The university appointed a sports secretary at university level to organise and monitor all sports and games across different colleges at university level. Each unit has their own physical directors for their respective units and conducts the sports and games in synchronized with sports secretary. The University has a playground for outdoor games like cricket, basketball, football, Volleyball, throw ball, KhoKho, Kabaddi etc and Central Indoor Stadium for indoor games like table tennis, shuttle badminton, ball badminton, caroms, chess etc. The University has Yoga Hall for making the students to participate

for Yoga and the students are trained by the yoga teacher on regular intervals. The university has established a swimming pool and is located in the indoor stadium of the university. All the units of university are conducting the cultural events every year at the end of the instructional days of the academic year. Various cultural activities are organised like singing competition, treasure hunt etc. The university is also organising the cultural events during the national festivals, convocation, golden jubilee celebrations, conferences, annual days etc to motivate creativity towards social and cultural activities

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

The overall ambience of the university is unique in integration of professional education with social concerns. The university is located in Hyderabad which is the cosmopolitan city and also the capital city of Telangana state. The city is well connected with road ways, railways and air ways. The campus is proud to have students from all corners of Telangana state, other parts of India and also foreign students from different countries. The University is offering graduate, post-graduate and doctoral programs in a wider range of science and engineering disciplines. All the departments are well equipped with modern equipment as per the needs of the industry and society. Research equipment is procured under TEQIP scheme in all the departments which are useful for the students to do advanced research. The campus is enabled with Wi Fi facility and CCTV cameras at important locations. For student activities the centralised facilities like J-HUB, UIIC, Technology Incubation Centre, Cyber Security centre, AICTE Idea lab etc. made available in the campus. Separate boys and girls hostels are available in the campus for UG and PG students with Wi Fi facility, a hostel for research scholars with family and a hostel for foreign students. The university has established a health centre with specialised doctors to facilitate the treatment and free medicine for the students, staff and their wards.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4682.36

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

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

The University Library is a central facility supporting the teaching and research activities of the University. It is fully automated using Integrated Library Management Software VTLS-VIRTUA and has a digitisation facility.

The library has created a learning environment by establishing OPAC Searching Area, Internet browsing facility, Laptop zone with Wi-Fi facility and specialized workstations for students and research scholars. The Library is equipped with two IBM Servers, 70 Dell Desktops and has a 20 MBPS dedicated leased line connectivity under NKN/NME-ICT Programme. The Library has a collection of 93913 books. The Library has perpetual access to 3533 e-books from Springer, Elsevier, IEEE MIT Press, Pearson etc. The Library is a member of DELNET and INFLIBNET's e-ShodhSindhu Consortium. Through Consortia and subscriptions, the University Library provides IP Authenticated online access and Remote Access facility to 15200+ e-journals from IEEE, ASCE, ASME, j-GATE, EBSCO, Nature Pub. etc. To provide access to e-resources remotely irrespective of the location, RemoteXs cloud platform has been subscribed. The University Library has access to OURIGINAL Anti-Plagiarism Detection tool provided by INFLIBNET Centre.

Under INFLIBNET's Shodhganga Project, the Library has established an ETD Lab in 2018 at the cost of Rs. 19.57 Lakhs and digitized 620 + Theses. The users can access 1800+ full-text theses on Shodhganga website. The Library has been installed with 45 IP Cameras for surveillance on all the three floors. EM (Electro-magnetic) Library Security System has been installed with Detection panel and Book check system for security of books from theft.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

65.42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

993

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Institution frequently updates its IT facilities and provides sufficient bandwidth for Internet connection. JNTUH is the first State University with a vision to have a fully networked campus and provide enhanced Internet services to its stakeholders, has commissioned Campus Wide Network way back in 2003. Three-Layer Switching model is implemented. High-end Core layer switches in the buildings are connected with the Optical Fiber Ring Network. This core switching was further extended to Distributed Switching for departments wherein 100/1000 Mbps (Gigabit Switches) are installed. With regard to Wi-Fi facility, the campus became complete Wi-Fi campus in 2011 including the student hostels and Staff quarters with 450 Wireless Access points + 3600 controller (both ARUBA make). Later in 2016, 2017 & 2018 years another 100 Wireless Access points + 2405 / 5520 controller (both CISCO make) were added to network as some more hostel buildings were started. For the last six years the Internet requirements have largely scaled up (i.e., from 100 Mbps to 1 Gbps), 24 x7 basis for more than 9000 user devices shown below: Apart from rendering the required IT facilities, School of Information Technology-SIT is instrumental in extending the complete support for the following activities: Maintenance of entire Campus Wide Networking, Internet connectivity and Wi-Fi connectivity. School of IT is responsible for issuing of email identities to all the University regular Faculty members and other administrative officers/offices associated.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
5309	1232

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

- ?1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities A. All of the above
for e-content development Media centre
Audio visual centre Lecture Capturing
System(LCS) Mixing equipment's and
softwares for editing

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

125.07

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

Laboratories: Concerned head of the department assigns lab incharges among the permanent faculty. Lab-in-charges are responsible for making proposals, procurement, recording, maintenance of the consumables and non-consumables based on the report given by the technical supporting staff. They are also responsible for preparation and display of manuals, precautionary measures, do's and don't's, list of experiments, stock registers and verification maintenance of log books. **Library:** Inventory of all text books, periodicals, journals, e-content are made available in the University library, college and departmental libraries. **Sports Complex:** Indoor stadium which is being supervised by a permanent employee has physical director, is having facilities line swimming pool, shuttle courts, gym, open field ground courts etc. In addition, a sport secretary monitors the funding, maintenance, participation in sports activities inside and outside the University. **Computers:** A Centralised computing facility 24 x 7 lab made available with TEQIP funds and most of the software's required by the students are uploaded. These labs will take care of lab requirements as per the curriculum. A centralized lab facility

maintained by J Hub. Class room: Sufficient number of classrooms which are appropriately ventilated, illuminated are equipped with sufficient furniture. Class rooms are equipped with internet facility, projector, audio visual facilities. At regular interval these class rooms are monitored for any repairs.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

391

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

1745

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

- All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

125

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

381

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

23

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The University attracts the top rankers of the state level entrancetest, TSEAMCET for UG engineering admissions. The University provides the conducive atmosphere for the students to hone the skills of these students and to provide them holistic education as per NEP 2020. The University has appointed the Professor I/c to monitor and implement the student level councils and committees which will be beneficial for the overall development of the students. The main objective is to provide a platform for the students to explore their innate talents and creativity, build team spirit by indulging in several co-curricular and extra curricular activities and provide them an opportunity to test their skills at regular intervals, by encouraging them to participate in university level and national level events. The university has

established Innovation and R&D initiative, J-Hub in the year 2017, to impact the quality, confidence and competitiveness of the students and prepare them for 21st century Knowledge Economy. Through a well planned sequence of events like Ideation, Excite, Acceleration and Incubation, the skills of the students will be upgraded. This starts with first year students and as the student's progress towards the completion of graduation, the creative and entrepreneurial skills will also be imparted. JNTUH Innovation Foundation - TBI is a registered Section 8 Company, works with the motive of building a better country through strengthening startup culture & eco-system. It is funded by the Department of Science and Technology (DST) under NIDHI scheme

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 during the year

JNTUH has a registered Directorate of University Alumni Affairs to address the long felt need for a platform and cherished aspirations of its Alumni. The directorate of University alumni affairs have been established to take up alumni connect drives, explore and connect the present stakeholders with the illustrious alumni for opportunities leading to mutual growth and raise funding for various development activities including human resources and infrastructure.

The Directorate of University alumni affairs acts as a link between the "Alma Mater" and the "Alumni". It is moving ahead, with selfless intentions for the growth and development of the institute and the students. The Directorate of Alumni Affairs, since its inception in January 2023 has organized various events

with the collaboration Alumni and Alma mater like "Meet the Achiever" program was initiated through which distinguished Alumni and renowned personality were invited to interact with staff and students of JNTUH, sharing their experiences and achievements.

The Directorate of Alumni Affairs also conducted Seminars and Webinars with notable Alumni. A mega event JNTUH Global Alumni Meet - 2023 was successfully conducted in the month of December, 2023 for which around 1500 participants from all corners of the globe have actively participated.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload relevant supporting document	View File

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

The JNTUH has a clearly defined vision and mission statements which are given below: Vision: To provide for the advancement of learning and knowledge in Engineering & Technology, Physical and Social Sciences by teaching, research or practical training or by such other means as the University may deem fit. Mission: To provide the form of education that allows students to spend periods of intramural work so that upon graduation not only do they possess a range of academic learning, but also learn and acquire knowledge for the benefit of the state in particular and the country in general. Imparting value based quality Technical education of international standard and imbining skills for solving real life problems, and inculcating the global perspective which is inclusive and affordable to all the state holders. JNTUH follows the best and healthy practices in cultivating professional ethics and human values in professional life. JNTUH aims to bridge the gap between

learningoutcomes what is required through major reforms that brings thequalityand integrity inthe system which was endorsed by NEP-2020.The teaching- learning process is based on an internationalized curriculum driven outcome based education policy by considering theNational Educational Policy (NEP 2020).

File Description	Documents
Upload relevant supporting document	View File

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

The JNTUH has been established by the act of Telangana state Assembly and has the governance system with decentralised structure and also have better involvement at all levels. The University has been granted an affiliating status by the state Government and one of the affiliating Universities in the state of Telanganafor granting affiliations to private colleges offering Engineering, Pharmacy, MBA and MCA programmes. The University officials are the Chancellor (Governor of Telangana), the Vice Chancellor (Nominated by the Chancellor), the Rector, the Registrar, the Directors, the Finance Officers, the Principals of the constituent colleges, such other persons in the service of the University as may be prescribed. The governance has its own well defined policies, processes and standard practices for all levels. The functionality of the University is monitored by various authorities of the university like the Executive Council (EC), the Academic Senate, the Board of Studies, such other bodies. The Executive Council headed by the Vice Chancellor is the highest body in which ex-officio members from government, rector, registrar (Secretary to the Council), nominated members from the university units, affiliated colleges and Industrial members to implement the policy decisions. The Academic Senate of the university monitor the academic matters, information to related fellowships, scholarships, formulation of academic schemes for constituent and affiliated colleges, regulations regarding the student admissions, equivalence of examinations and degrees, teaching and research, faculty development etc.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The University has an effective strategic plan with respect to academic excellence, research excellence, collaboration, entrepreneurship and innovation, University social responsibility& Individual Social Responsibility, globalization, strengthening the relationship with alumni, governance, infrastructure & resources, branding and governance. Major initiatives are made in the following directions to realize the strategic plans: Continuous update of courses and curriculum, inculcation of outcome based education and assessment, integrated teaching learning processes, inter disciplinary & multidisciplinary programs/ courses, usage of ICT in teaching-learning practices at par with National and International trends. Better research ecosystem has been established by producing research personnel, research projects and consultancy. The students are encouraged in product innovation and development in their endeavors with the support of J-Hub (JNTUH Innovation Hub). Attracting meritorious students of national and international origin and from all sections of the society through state level entrance examinations like TSEAMCET, TSECET, TSICET, TSPGECET etc. The institute is continually striving to achieve top ranks among the global institutions and recognition from various national accreditation bodies and ranking systems. Alumni cell promotes the close interaction with all alumni, industrial and academic partners for knowledge sharing and technology up-dation for young minds through workshops, guest lectures, faculty development programs etc. The University has prepared the perspective plan by involving all the Stakeholders of the system in line with our University's vision and mission. T

File Description	Documents
Upload relevant supporting document	View File

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

The University has established a robust governance system to ensure effective and transparent functioning. Led by the Vice Chancellor, who heads various committees, the governance structure includes the Executive Council, Academic Senate, Finance Committee, and UCPP, fostering collaboration. Adhering to state government guidelines, the University follows UGC-approved procedures for recruiting faculty through public notifications in national newspapers and on the website. Both internal and external committees review applications based on UGC norms, conducting

interviews for final selection. Additionally, Assistant Professors (Contract) are recruited based on workload needs. The University maintains well defined service rules for teaching and non-teaching staff, with adherence by all members. Principal/Directors/Officers oversee academic, examination, research, and regulatory matters within their units. They collaborate with academic and administrative staff, including Joint Registrar, Deputy Registrar, and Assistant Registrar, ensuring smooth operations. Specific units, such as Accounts, Library, and Inventory, are monitored by designated officers. Heads of Departments delegate responsibilities and form committees as needed, executing academic and administrative functions in consultation with the Director/Principal. This structured approach ensures efficient governance, fostering transparency and participation among stakeholders at JNTUH.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

A. All of the above

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

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

JNTUH's Performance Appraisal System for teaching staff encompasses three aspects: students' online feedback, examination result analysis, and staff progress assessment. Teaching staff are evaluated using indicators such as result analysis, student feedback, participation in conferences/workshops, publications, contributions to labs and course proposals, departmental

contributions, project guidance, punctuality, and adaptability. Promotion avenues include higher academic pay and progression to Associate Professor and Professor roles, with Career Advancement Schemes in place. Welfare measures for both teaching and non-teaching staff include pensioner benefits, GSLIC contribution scheme, general provident fund, yearly medical reimbursement, UGC grants for paper presentations, EL encashment, and various short and long-term advances. Incremental and RPS implementation, dearness allowances, and LIC Contributory Pension Scheme are provided for employees recruited after September 2004. For outsourcing staff, ESI/EPF contributions are made. Non-monetary welfare schemes cover leaves such as study leave, maternity leave, paternity leave, child care leave, medical leave, summer and winter vacations, casual leaves, optional holidays, and academic leave. These measures ensure a comprehensive and supportive environment for the well-being and career development of JNTUH's teaching and non teaching staff.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

23

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

2416

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

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

JNTUH actively encourages faculty members in its constituent colleges to engage in research, consultancy, and learning and development activities. Research projects, funded by organizations like UGC, AICTE, DST, and others, are undertaken, contributing to substantial yearly revenue. The university promotes consultancy activities, a significant income source, including collaborations with public and private sector organizations. Learning and development encompass teaching, experiential learning, seminars, conferences, workshops, FDPs, and executive development programs, often in collaboration with other institutions with nominal registration fees. To fund these initiatives, the university raises funds, utilizing them for student developmental activities such as laboratory infrastructure maintenance, equipment upgrades, library book purchases, journal subscriptions, software acquisitions, new building construction, lab establishment, and organizing various events. Sources of funds include affiliation fees from engineering, pharmacy, and management colleges, examination-related student services charges, consultancy projects, research activities, and savings from the 4 MW solar power plant in JNTUH University College of Engineering Sulthanpur, which provides electricity at a discounted rate, contributing to the university's overall funding.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

20.00

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

ACCOUNTING PROCEDURE Voucher: Before making a payment, the office prepares voucher by furnishing all the details of expenditure and bank cheque details. A voucher consists of sub-vouchers such as: Proceedings for payment, Original Bill Bank Accounts: The University maintains different number of accounts in the Bank based on its necessity. **AUDIT PROCEDURE** Each voucher is verified for its correctness by way of verifying the sub-vouchers. Receipt (Income)/ Expenditure entries are verified in all the cashbooks. Cash book entries are reconciled with the Bank statements (both Receipts and Expenditures). Finally, the audit party prepares Receipt-Expenditure statement and submits to the Registrar.

INTERNAL AND EXTERNAL AUDIT Objectives of the Financial Audits: Financial Planning and resource management is the foresights of the University in strategize its growth and development.

Pre Audit:- The expenditure of the university and their units are pre-audited by the internal accounts team before processing the payments and verify the university norms. After verification and approved by the pre-audit team, the bills may sent to the accounts section for payment. **State and AG Audits:-** The state audit team comprises the audit officer and other team members visit each and every unit of the University every year for auditing the each and every item of receipts and payments.

File Description	Documents
Upload relevant supporting document	View File

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

The Institutional Quality Assurance Cell (IQAC) at the university has undertaken numerous initiatives to institutionalize quality improvement in teaching, learning, and research. Student-focused measures include leveraging ICT and modern techniques, implementing outcome-based education with a choice-based credit system, and encouraging participation in value-added courses and experiential learning. Feedback from students on curriculum, teaching, and faculty is regularly collected, and skill development programs are organized for better placements. For staff, the emphasis is on faculty development through various workshops and conferences to enhance teaching and research skills. Curriculum feedback from staff members is considered to improve syllabi, and efforts are made to boost faculty members' research projects, publications, patents, awards, and consultancy activities. In terms of academic facilities, the university is digitizing library resources, incorporating smart classrooms, and expanding hostel infrastructure for both boys and girls. Pre-audit processes have been introduced for financial verification, and academic and administrative audits are conducted across departments, along with regular environmental, energy, and green audits. In governance, the university is committed to achieving its vision and mission by improving teaching and learning processes, implementing welfare schemes for staff and students, involving alumni in the IQAC committee, enforcing a code of conduct for employees and students, and encouraging MOUs with industries and reputable organizations.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted

A. Any 5 or all of the above

Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The University's commitment to quality guides its decision-making and leadership in education. The governance system regularly monitors Teaching-Learning and research, striving for ISO-9001 standard-based Quality Management and meeting industrial needs. Focused on two Quality issues, it emphasizes Teaching-Learning excellence for competent graduates and adopts globalized courses. JNTUH ensures holistic student development through flexible curricular structures and participative learning. Notable developments in the past 5 years include significant research growth, numerous MOUs, robust online feedback mechanisms, faculty and staff development programs, enhanced library resources, student training initiatives, evaluation reforms, NIRF ranking participation, and increased emphasis on placements. Strengthening ICT infrastructure, laboratory resources, and state-of-the-art facilities align with industry needs. Ongoing efforts involve the upgradation/construction of centers of excellence, hostels, staff quarters, and administrative spaces within the lush green 80-acre campus in Hyderabad. With academic departments, research centers, auditorium, gymnasium, sports grounds, swimming pool, and various amenities, JNTUH provides an enriching environment for education and research.

File Description	Documents
Upload relevant supporting document	View File

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 year

The University is dedicated to promoting gender equity through a variety of measures and initiatives, fostering an environment that ensures the well-being of every girl student. With over 50% of the total student population being female, the campus is recognized as a safe and secure place, providing a reassuring atmosphere for parents. The university boasts a significant number of women teaching faculty and staff at various levels, actively participating in numerous committees and administrative roles. Women faculty play crucial roles as heads of departments, principals, directors, and in administrative positions. They engage in organizing workshops, conferences, seminars, guest lectures, and various academic activities. Many have secured promotions and conducted research funded by prestigious agencies. They publish in reputed journals, present papers globally, file patents, and contribute to NSS activities. The Women's Association organizes International Women's Day events, inviting eminent speakers. Girl students actively participate in curricular activities, taking leadership roles in organizing events, paper presentations, and quiz competitions during technical fests. They engage in internships, workshops, and conferences, earning awards and prizes. Many excel in exams like EAMCET and GATE, pursue higher studies globally, and secure placements in renowned organizations. The university recognizes and celebrates their achievements, with some students earning top ranks, gold medals, and high packages in placement.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	NIL
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	NIL

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy plant Wheeling to the Grid energy conservation Use of LED bulbs/

A. Any 4 or All of the above

power-efficient equipment

File Description	Documents
Upload relevant supporting document	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Situated in a bustling city, the university maintains a well preserved and green campus despite external challenges like traffic and pollutants. The campus, almost like a residential area, includes hostels for boys, girls, research scholars, international students, and staff quarters, boasting excellent infrastructure. Collaboratively monitoring weather parameters with the City University of New York, the university conducts awareness training for stakeholders. Emphasizing hygiene, the university manages solid waste through bins across units, converting vegetative waste to vermicompost. Paper reuse practices and the sale of non-biodegradable waste contribute to sustainability. Liquid waste is efficiently managed via an underground drainage network, with treated water used for gardening since 2000. Constructed wetlands aid natural sewage treatment, aligning with Sustainable Development Goal no. 07. Rainwater harvesting systems, bore wells, and pond installations make the campus a zero-discharge zone, harvesting 10 crore liters of runoff annually since 2010. Groundwater levels improved, and fluoride concentration reduced after these initiatives. The university educates stakeholders on water conservation and avoids biomedical waste generation. E-waste is responsibly collected and sold to authorized vendors, and hazardous chemicals used in various departments are neutralized before disposal. The university prioritizes environmental sustainability, contributing to a clean and ecologically responsible campus.

File Description	Documents
Upload relevant supporting document	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution

A. Any 4 or all of the above

system in the campus

File Description	Documents
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

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

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards

A. Any 4 or all of the above

and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

JNTUH has students based on international, national, regional, linguistic, communal and socioeconomic diversities who are pursuing their studies. Students from different countries across the globe and from different states such as Telangana, Andhra Pradesh, Jammu & Kashmir, north eastern states in India are studying in the different units and are staying on campus in the hostels. For inculcation of tolerance and harmony amongst students about the diversities in the university, a separate international hostel is provided for foreign students and the Indian students are allotted in the hostels according to the university norms. A few foreign research students are also staying in research scholar's hostels along with the Indian research scholars in order to have the harmony towards integrity with diversified backgrounds. The objectives of higher education policies of the nation are clearly reflected in the university mission of providing education to all the students. University always focuses on a peaceful, healthy and comfortable campus for all the students while preserving the motto of unity in diversity. In the inter university competitions, the students' potential has been taken into consideration for selections and various regional and religious students participate. A special event "At Home" is being conducted every year for the foreign national students with their different cultural activities so as to create a homely environment.

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

In line with the vision and vision of University, several extracurricular activities are carried out spread over the entire assessment period to inspire the students and employees to be aware and internalise the constitutional obligations of values, rights, duties and responsibilities as citizens, including their rights and duties towards their near and dear ones, friends, faculty and staff members, the university and the society, for the benefit of the state in particular and the country in general.. NSS unit is promoting digital literacy, Swatch Bharath, No-Plastic drive, paying tax, save water, save environment programs, blood donation, eye camp and so forth for the benefit of the surrounding villagers. Girl students are educating village girls on the importance of education, and ill-effects of child marriages.5 villages were adopted under UnnatBharathAbhiyan, under which a survey was carried out to identify the requirements and same is reported to the Government of India. Ethics: The Curriculum includes: (a) Constitution of India; (b) Professional Ethics; c) Bioethics (c) Cyber Security (d) Intellectual Property Rights to make students understand the ethical responsibilities.Orientation programs are also organized for newly appointed faculty members under UGCHRDC directorate, where they are made aware of the values, ethics and responsibilities, in addition to teaching learning and evaluation methods.

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

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our JNTUH celebrates a large number of commemorative days and a wide variety of religious festivals as outlined below: The National commemorative days observed every year include the New

Year's Day, National Youth Day, National Voters Day, National Republic Day, National Science Day, Telangana formation day, Indian Independence Day, National Sports Day, Teacher's Day, Dr Ambedkar Jayanthi, Gandhi Jayanti, Dr Jagjivanram Jayanthi, Children's Day, National Mathematics Day and Engineers Day. Apart from the above, the University also observes different festivals and religious days for all students like Durga Puja, Holi, Ganesh Chaturthi, Maha-Shiva Ratri, BasantaPanchami, Ram Navami, Janmasthanmi, Good Friday, Diwali, Bonalu, Bathukamma, Id-Ul_Fitre, Id-Ul-Juha, Muharram, Christmas and many others. Renowned Yoga professionals are invited on the occasion of International Yoga Day celebration. A session of basic yoga is taught to the students and staff. Every year the University celebrates International Women's Day with a theme like Women empowerment, women in industries, work-life balance, balance for the better, etc. The annual tech fest Spoorthy, Connaisance, Ayaset is being organized every year in their respective departments and students from other colleges are invited to participate in various technical and cultural competitions. Cultural fest named Spandana is organized by the student's enthusiastically by conducting different cultural activities to the students.

Part B

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 University

Jawaharlal Nehru Technological University Hyderabad is offering 11 B. Tech., 6 Integrated Dual Degree UG programs, 26 M. Tech., 4 M. Pharmacy., 8 M.Sc., 2 MCA, 1 MBA and 2BBA programs and Doctoral Programs in various disciplines of Engineering, Technology, Science, Management and Humanities. In its quest for excellence the university has adopted a well-structured mechanism for the effective implementation and delivery of the curriculum. The University has carefully designed its curriculum keeping the current trends of National needs in appropriate Technology, Entrepreneurial Skill Development etc. The focus of curriculum development is to disseminate advanced knowledge in an interdisciplinary framework. The curriculum of the University is reviewed every 4 years for UG and 2 years for PG programs to make it socially relevant, job oriented and to meet the growing needs of students and other stakeholders. The Program Educational Objectives, Program Specific Outcome, and Course Outcome are designed in consonance with the graduate attributes of programs. Faculty are educated on OBE in order to formulate POs, PSOs, COs for all programs through extensive training and workshops. The students are given adequate choice between discipline specific, interdisciplinary and multidisciplinary electives and can choose online elective courses, based on their aptitude, skill, and aspiration through MOOCs Courses, especially from SWAYAM, woven into academic structure. The institute has introduced mandatory courses on Human Values, Professional Ethics, Constitution of India, Environmental Science and Gender Sensitization courses in all UG programs and encourage Field Projects and Internships etc. Advanced Communication Skills course is included in curriculum to emphasize English language communication skills.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

56

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year**1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year**

1304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year**

1304

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

56

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3 - Curriculum Enrichment

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

The university offers professional courses encompassing the domains of different fields of engineering and technology like civil, mechanical, electrical, electronics and communication, computer science, metallurgy, chemical and other allied specialisations for post-graduation courses. The other programs in the university are post graduate programs in applied sciences, pharmaceutical sciences, bio technology, nano technology, remote sensing, spatial information technology, energy systems and interdisciplinary are being offered. The different programs are incorporated with gender, human values, environmental and energy sustainability etc. The courses offered in the curriculum are Gender sensitization, Environmental Studies, disaster management, constitution of India, managerial economics and financial accountancy, cyber security etc are the part of undergraduate programs. This enriches the knowledge base of the student and improves the self-actualization and belongingness to the society. The Environmental Studies is an interdisciplinary course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues. Disaster Management is offered as an open elective to understand various types of natural and man-made disasters, their occurrences, effects, mitigation and management systems in India, the role of Geographical Information Systems and Remote Sensing Technology in Disaster Mitigation and Management. In post graduate programs, research methodology, intellectual property rights, cyber security, renewal energy sources, water resources management, remote sensing, environmental science, environment, sustainability etc.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

49

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

2123

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	No File Uploaded

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

890

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2592

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

1439

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

JNTUH University attracts fairly good students through only common entrance examinations. University strives hard to design student centric approaches and activities to address the individual requirements of different levels of students as they come from diverse socio-economic backgrounds and medium of instruction in schoolings. Based on their background, language proficiency, confidence level, competency and learning levels, etc, also vary. IDENTIFICATION OF SLOW LEARNERS At the First Year Level. At this level, the students would be academic

oriented. Slow learners are identified based on the score obtained in Intermediate and rank in the EAMCET entrance examination. In the process, the slow learners are identified by finding their weaknesses such as finding self-directing learning skills of students. o Habits of learning very slowly and forgetting quickly. At the Second Year Level: At this level, the students must be academic oriented. Slow learners are identified by the following factors : Based on their performance in university examinations of previous semester and internal examinations, by posing few oral questions and observing the responses given by the students, based on their class attendance and attentiveness in the class. At the third year, final year and PG level: At this level, the students need to be career oriented. Slow learners are identified by conducting intelligence tests, conducting aptitude tests, communication, group discussions and presentation skills.

SUPPORT POLICY FOR SLOW LEARNERS
Mentoring and Counseling.
IDENTIFICATION OF ADVANCED LEARNERS and ADVANCED LEARNERS ENCOURAGEMENT POLICY.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
5309	245

File Description	Documents
Upload relevant supporting document	View File

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

The teaching-learning process is one of the major strengths of our university. A right blend of traditional and modern methods is used to make learning student-centric and also a rewarding experience. Activities related to Experiential Learning includes

fieldIndustrial Visits, Industry Oriented Internships in Mathworks,Google, Amazon AMD etc, major Projects, mini Projects, Organizingand participating in various Seminars, WorkshopsHackathons.Professional body chapter activities like IEEE Studentbranch activities, CSI etc. University has established IndustryInstitute Interaction Cell to provide a platform for students tohave Industry linkages.Also students are encouraged to do Valueadded courses and MOOCS courses as part of Curriculum in order toexpose the student to eminent lectures by higher learninginstitutions where in maximum of two elective courses per semestercan be done under this category of MOOCS and the credits earned areconsidered in awarding the degree.students are encouraged toparticipate in NSS activities to take up socially responsible eventswhich helps the students to learn the Art of living.Communication skills training facility is enriched with ICT tools to make thestudents acquire proficiency in listening, speaking, reading andwriting skills. During pandemic, Coursera has come up with freeaccess to its Moodle content which was promptly utilized by all thestudents under the University for improving their skills and also toacquire credits which are recognized all over the Country.University is sanctioned a Technology Business Incubation.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The University has adopted ICT enabled tools in the teaching and learning process to ensure that students are exposed for experienced learning. The faculty and student centric learning methods and advanced technological skills help the students to enhance their technical expertise as per the developments across the globe. Faculty use the combination of ICT enabled tools and conventional teaching methods to keep students engaged in long term learning.However, owing to the pandemic situation, education has altered considerably, with the emergence of e-learning, in which instructions are given online and on digital platforms as well.The innovations and creations of the students are encouraged by the university for participation in different activities conducted by Jhub. The university has many MOUs with different agencies of Government and non government sectors for the benefit of the students.

Each department is equipped with a smart class room in which all the audio video visuals are provided to make the online classes more effective. To enhance the teaching learning process through ICT tools, full fledged internet and Wi Fi facility throughout the campus. The university libraries are well equipped with learning management system to distribute the books students and also make the students to access the e-journals using digital platforms. Surveillance cameras are provided in the entire campus for the safety of staff and students. A centralised computer lab is made available for the students to access the e content and also software.

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

245

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

245

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

169

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

4444

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

3

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

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

28

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 year

28

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

329

File Description	Documents
Upload relevant supporting document	View File

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

The University examination branch has successfully implemented IT integration for all the activities of examinations i.e., preexamination and post examinations. The subject experts of therelevant courses are identified for paper setting and collectedthrough online. The question papers are moderated by the subjectexperts. The EDEP system has been established first of its kind inour university for the distribution of e - question paperselectronically through VPN system.The enrolment of the students forexaminations is being made through online and hall tickets are issued through online mode. Based on the registrations and timetables, the details of the students are printed on the answerbooklet in advance and the same is distributed during theexamination.Computer based test (CBT) has been introduced through online mode for the students who are not appeared for internalexaminations due to various reasons. During the evaluation process,the question wise marks are directly posted by the evaluators intothe data base. The results are processed and published throughexamination portal and student can see their results directlythrough university web portal. The university examination portal ishaving the option of student services (exams), in which the studentscan access for pre/post convocation services, online certificateverification, results verification, previous question papers,syllabus & regulations, student grievances etc.

File Description	Documents
Upload relevant supporting document	View File

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

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The University has moved from teacher centric learning to studentcentric learning by following the Outcome Based Education (OBE)system in all the programs being offered. The Directorate ofAcademic and Planning initiate and formulate the BOS membersconsisting of good mixture of academicians from IITs, NITs,Universities, researchers from central government R&D centers,members from Alumni, senior faculty members from affiliated collegesand members from public and private industries etc. The BOS membersdesign curriculum in line with Program out comes which areformulated reflecting the vision mission and strategies of institute and UGC guide lines on graduate attributes by considering inputsfrom stakeholders.Every program has defined Program EducationalObjectives (PEO) describing what the graduates are expected toattain within few years of graduation and this is closely related tohow strongly a graduate has developed the competencies in terms ofPOs and PSOs.The course outcomes are formulated by the department inconsideration with the course teachers and with expected cognitive ,affective and psychomotor learning levels. The PO, PSOs and Cos are widely propagated and publicized through various means like Website,Curriculum/regulations books, Class rooms, Department Notice Boards,Laboratories, Library, student Induction Programs, Meetings/Interactions with employers, Alumni meetings, Professional Bodymeetings. The course delivery and assessment are planned to achieveth stated objectives and outcomes.

File Description	Documents
Upload relevant supporting document	View File

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

The outcome based education policy has been implemented across all s programs of the JNTUH. The course structure for all the programs is being finalised in common board of studies meeting so as to make the composition as per the global requirements. The concerned BOS prepare the syllabi as per the course structure along with course objectives and course outcomes. Each of the courses has defined Course Outcomes (COs) in concurrence with program outcomes (POs) and program specific outcomes (PSOs). The CO indicates the competencies of the students in that particular subject. The CO attainments for both UG and PG courses are mainly evaluated through students' performance in different assessment components, like for theoretical courses, the assessments are done based on mid-semester examinations, assignments and end semester examinations. For practical courses, assessment is made day to activities of the laboratories, by evaluating the experimental performance, report preparation, performance of internal examinations and end-semester examinations. All the assessment tasks i.e. learning activities and questions are framed such that they are directly mapped with the COs. Every program has Program Outcomes (POs) and Program Specific Outcomes (PSOs) indicating the general and specific abilities based on graduate attributes. The COs of different courses are mapped to POs and PSOs based on their level of correlation and relevance and graduate attributes are evaluated.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1184

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution

may design its own questionnaire) (results and details need to be provided as a web link)

<https://jntuh.ac.in/content/feedback-reports/105/0ba76149d9aaf887765fb6884bcbd1be>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

All the units update their research facilities at frequent intervals by considering the latest technological developments and the faculty are encouraged to pursue research in their field of study and work, publish papers, and organize workshops in the area of innovations and research. The University supports the faculty in applying for various project funding schemes of the government. The TEQIP I, II and III phases has supported for the funds for procurement of latest equipment in all the units and fellowships for regular research scholars for a period of 3/5 Years. In each department a separate research laboratory has been established by adding advanced research equipment beyond the curriculum requirements. Research grants are received by several faculty members from various agencies like AICTE/DST/UGC/DRDO/DBT etc. and these are used for establishment of modern equipment in the laboratories promoting the need based research. JNTUH has a full-fledged University Industry Interaction Centre (UIIC) which always keeps track of industrial collaboration through MoU's and continuous learning engagement and enhancement. In order to strengthen the research at JNTUH, the Directorate, R&D Cell was established and has taken proactive steps resulting in improved performance of research which is evident from the significant improvement in the number of research publication in Scopus indexed journals and research grants received from the various funding agencies. The University has established J-Hub in synchronization with T-hub of Government of Telangana and facilitating the students to materialise their ideas by conducting various student activities.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in

Lakhs)	
0	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year	
4	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year	
15	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery	A. Any 4 or more of the above
File Description	Documents
Upload relevant supporting document	View File
3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year	

12	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
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 year (INR in Lakhs)	
12	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)	
12	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year	
12	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
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	

JNTUH INNOVATION HUB (J-HUB) JHUB is the University's Innovation Ecosystem that empowers new generation graduates with Innovation mind set and support for startup incubation. Launched in January 2018, JHUB works in a Hub and Spoke model with JLABS at constituent and affiliated colleges to seed the dynamic culture of innovation, and the Central Hub at the university campus develops the knowledge, skills and experiences in translating ideas to innovations, products and startups. JLABS In the year of establishment, 25 institutions were identified to pilot JLABS and today more than 75 affiliated and constituent institutions have JLABS. JLABS served as a single point of contact for the encouragement of Innovation and Entrepreneurship activities of the institutions. UNIVERSITY HUB The Central Hub at the University campus offers access to its stakeholders, a spectrum of programs, experts, labs, equipment, collaborators, networks and spaces to catalyze innovation, knowledge and support to practice innovation and entrepreneurial skills. It is the focal point for creating technology startups and solutions critically relevant to the social and economic challenges. EXCITE EXCITE is the flagship Product Engineering Workshop designed where students are provided support to convert their ideas and initial prototypes to products. Innovation and Startup Policy for Students: JNTUH has implemented National innovation and start-up policy (NISP) to support Tech-Startup incubation on campuses, University wide.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

31

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

31

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

9

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter /

B. Any 3 of the above

website	
File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded
3.4.3 - Number of Patents published/awarded during the year	
3.4.3.1 - Total number of Patents published/awarded year wise during the year	
40	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.4 - Number of Ph.D's awarded per teacher during the year	
3.4.4.1 - How many Ph.D's are awarded during the year	
59	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year	
357	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
3.4.6 - Number of books and chapters in edited volumes published per teacher during the year	
3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year	

29

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
357	357

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
357	357

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

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

The JNTUH has a faculty-friendly Consultancy policy which includes revenue sharing between the University and the teaching and non teaching staff of various departments. The faculty members are encouraged to take up consultancy assignments from different government and private agencies. The Consultancy Policy encourages the faculty members to leverage their areas of expertise and apply them to practical problems faced by the industry and research laboratories. JNTUH has a structured policy evolved by a committee consisting with the vice chancellor as a chairman, Director (BICS) as the convenor, Registrar, Rector, Principals of various units and the Directors of all the sections as members, for consultancy projects approved by the Executive Council. The consultancy revenue earned is shared between the concerned faculty and the university as per the norms specified in the policy. The expenditure incurred for field visits, testing etc. is being borne from the consultancy fee. After the deduction of the various expenses, the University share is utilised for the procurement and established equipment required for the research and the faculty share is disbursed to the teaching/supporting staff, Coordinator, Head of the department and Principal/Director. The University provides full freedom to the Investigator/Coordinator to utilize the overheads. The major focussed areas of Consultancy include structural designing, testing of concrete structures, soil testing, software development, design and evaluation of tractor trailers, electrical engineering, metallurgical engineering and many other projects given by the industries.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)**3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)**

794.58

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year**

In the line with the vision and mission, the University has defined its strategies to make the students socially conscious and to learn beyond the confines of the classrooms, the students of the University are actively engaged in various outreach and extension activities. The University has national service scheme (NSS) which involves the students and faculty members in various societal developmental issues. Some of the major activities of the NSS Unit of the University are: Health to create awareness among the Faculty and students about the importance of yoga in daily life international yoga day was celebrated on 21st June 2017 onwards. Programmes on mental health awareness were conducted to focus on the necessity of the students to train the students to face the challenges of the future by the psychologist. Environment Govt. of Telangana has launched a major initiative to plant saplings as a part of this programme, the NSS Unit of the University is actively involved in Haritha Haram (Planting of saplings) every year in the month of July - August and takes the responsibility for the growth of the plants. To create awareness about the evil effects of plastic a programme was conducted to sensitize the students about the use of plastic. Social Responsibility To create awareness about voting in the elections and to register as a voter a one week programme on voters was conducted for the students with the initiation from the Govt.

File Description	Documents
Upload relevant supporting document	View File

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 year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

5247

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

50	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
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 year	
20	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
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.	
<p>Jawaharlal Nehru Technological University Hyderabad has adequate facilities in each campus for teaching learning activities. Each department has required number of class rooms for UG, IDP, PG and other allied programs. All departments have necessary ICT facilities including network connectivity, Wi-Fi coverage, LCD projectors, screens, AV systems etc. University has also established smart classroom in each department with audio and video facilities and it facilitates online materials, videos, animations, subscribed research articles, presentations and demonstrations for the students' understanding. For security reasons CCTVs are made available in various places of the entire campus including hostels. The University has 1200 capacity JN Auditorium, 300 capacity UGCHRDC Auditorium, college seminar halls; departmental seminar halls, Golden Jubilee conference hall etc. are available across the campus. A wide spectrum of laboratories is operational in the departments and being effectively used for academic and research activities. Safety protocols are strictly enforced and provisions for immediate medical attention (first aid, ambulance and health centre) are available. All the laboratories are fully equipped as per the</p>	

curriculum and provided with lab manuals, wi-fi access, security provisions and updates log books. University has supported by the TEQIP funds of various phases to establish the research laboratories in various departments including, centre of excellence for disaster management etc. The centralised laboratory facilities are provided for the innovative activities in JTBI (JNTUH Technology Business Incubator), J-Hub, Automation and Robotics Lab, Cybersecurity and Forensic laboratory, 24x7 computer laboratory etc.

File Description	Documents
Upload relevant supporting document	View File

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

JNTUH always gives high importance to sports and games since inception of the university. The students actively participate in inter college level, state, National level competitions. All modern facilities are provided to the students as per the requirement. The university appointed a sports secretary at university level to organise and monitor all sports and games across different colleges at university level. Each unit has their own physical directors for their respective units and conducts the sports and games in synchronized with sports secretary. The University has a playground for outdoor games like cricket, basketball, football, Volleyball, throw ball, KhoKho, Kabaddi etc and Central Indoor Stadium for indoor games like table tennis, shuttle badminton, ball badminton, caroms, chess etc. The University has Yoga Hall for making the students to participate for Yoga and the students are trained by the yoga teacher on regular intervals. The university has established a swimming pool and is located in the indoor stadium of the university. All the units of university are conducting the cultural events every year at the end of the instructional days of the academic year. Various cultural activities are organised like singing competition, treasure hunt etc. The university is also organising the cultural events during the national festivals, convocation, golden jubilee celebrations, conferences, annual days etc to motivate creativity towards social and cultural activities

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

The overall ambience of the university is unique in integration of professional education with social concerns. The university is located in Hyderabad which is the cosmopolitan city and also the capital city of Telangana state. The city is well connected with road ways, railways and air ways. The campus is proud to have students from all corners of Telangana state, other parts of India and also foreign students from different countries. The University is offering graduate, post-graduate and doctoral programs in a wide range of science and engineering disciplines. All the departments are well equipped with modern equipment as per the needs of the industry and society. Research equipment is procured under TEQIP scheme in all the departments which are useful for the students to do advanced research. The campus is enabled with Wi-Fi facility and CCTV cameras at important locations. For student activities the centralised facilities like J-HUB, UIIC, Technology Incubation Centre, Cyber Security centre, AICTE Idea lab etc. made available in the campus. Separate boys and girls hostels are available in the campus for UG and PG students with Wi-Fi facility, a hostel for research scholars with family and a hostel for foreign students. The university has established a health centre with specialised doctors to facilitate the treatment and free medicine for the students, staff and their wards.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4682.36

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

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

The University Library is a central facility supporting the

teaching and research activities of the University. It is fully automated using Integrated Library Management Software VTLIS-VIRTUA and has a digitisation facility.

The library has created a learning environment by establishing OPAC Searching Area, Internet browsing facility, Laptop zone with Wi-Fi facility and specialized workstations for students and research scholars. The Library is equipped with two IBM Servers, 70 Dell Desktops and has a 20 MBPS dedicated leased line connectivity under NKN/NME-ICT Programme. The Library has a collection of 93913 books. The Library has perpetual access to 3533 e-books from Springer, Elsevier, IEEE MIT Press, Pearson etc. The Library is a member of DELNET and INFLIBNET's e-ShodhSindhu Consortium. Through Consortia and subscriptions, the University Library provides IP Authenticated online access and Remote Access facility to 15200+ e-journals from IEEE, ASCE, ASME, j-GATE, EBSCO, Nature Pub. etc. To provide access to e-resources remotely irrespective of the location, RemoteXs cloud platform has been subscribed. The University Library has access to OURIGINAL Anti-Plagiarism Detection tool provided by INFLIBNET Centre.

Under INFLIBNET's Shodhganga Project, the Library has established an ETD Lab in 2018 at the cost of Rs. 19.57 Lakhs and digitized 620 + Theses. The users can access 1800+ full-text theses on Shodhganga website. The Library has been installed with 45 IP Cameras for surveillance on all the three floors. EM (Electro-magnetic) Library Security System has been installed with Detection panel and Book check system for security of books from theft.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

65.42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

993

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure**4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year**

89

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Institution frequently updates its IT facilities and provides sufficient bandwidth for Internet connection. JNTUH is the first State University with a vision to have a fully networked campus and provide enhanced Internet services to its stakeholders, has commissioned Campus Wide Network way back in 2003. Three-Layer Switching model is implemented. High-end Core layer switches in the buildings are connected with the Optical Fiber Ring Network. This core switching was further extended to Distributed Switching for departments wherein 100/1000 Mbps (Gigabit Switches) are installed. With regard to Wi-Fi facility, the campus became complete Wi-Fi campus in 2011 including the

student hostels and Staff quarters with 450 Wireless Access points + 3600 controller (both ARUBA make). Later in 2016, 2017 & 2018 years another 100 Wireless Access points + 2405 / 5520 controller (both CISCO make) were added to network as some more hostel buildings were started. For the last six years the Internet requirements have largely scaled up (i.e., from 100 Mbps to 1 Gbps), 24 x7 basis for more than 9000 user devices shown below: Apart from rendering the required IT facilities, School of Information Technology-SIT is instrumental in extending the complete support for the following activities: Maintenance of entire Campus Wide Networking, Internet connectivity and Wi-Fi connectivity. School of IT is responsible for issuing of email identities to all the University regular Faculty members and other administrative officers/offices associated.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
5309	1232

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

- ?1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

- A. All of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

125.07

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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.

Laboratories: Concerned head of the department assigns lab incharges among the permanent faculty. Lab-in-charges are responsible for making proposals, procurement, recording, maintenance of the consumables and non-consumables based on the report given by the technical supporting staff. They are also responsible for preparation and display of manuals, precautionary measures, do's and don't's, list of experiments, stock registers and verification maintenance of log books.

Library: Inventory of all text books, periodicals, journals, e-content are made available in the University library, college and departmental libraries.

Sports Complex: Indoor stadium which is being supervised by a permanent employee has physical director, is having facilities line swimming pool, shuttle courts, gym, open field ground courts etc. In addition, a sport secretary monitors the funding, maintenance, participation in sports activities inside and outside the University.

Computers: A Centralised computing facility 24 x 7 lab made available with TEQIP funds and most of the software's required by the students are uploaded. These labs will take care of lab requirements as per the curriculum. A centralized lab facility maintained by J Hub.

Class room: Sufficient number of classrooms which are appropriately ventilated, illuminated are equipped with sufficient furniture. Class rooms are equipped with internet facility, projector, audio visual facilities. At regular intervals these class rooms are monitored for any repairs.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

391

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

1745

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances

• All of the above

including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

125

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

381

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 year

23

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

The University attracts the top rankers of the state level entrancetest, TSEAMCET for UG engineering admissions. The University provides the conducive atmosphere for the students to hone the skills of these students and to provide them holistic education as per NEP 2020. The University has appointed the Professor I/c to monitor and implement the student level councils and committees which will be beneficial for the overall development of the students. The main objective is to provide a platform for the students to explore their innate talents and creativity, build team spirit by indulging in several co-curricular and extra curricular activities and provide them an opportunity to test their skills at regular intervals, by encouraging them to participate in university level and national level events. The university has established Innovation and R&D initiative, J-Hub in the year 2017, to impact the quality, confidence and competitiveness of the students and prepare them for 21st century Knowledge Economy. Through a well planned sequence of events like Ideation, Excite, Acceleration and Incubation, the skills of the students will be upgraded. This starts with first year students and as the student's progress towards the completion of graduation, the creative and entrepreneurial skills will also be imparted. JNTUH Innovation Foundation - TBI is a registered Section 8 Company, works with the motive of building a better country through strengthening

startup culture & eco-system. It is funded by the Department of Science and Technology (DST) under NIDHI scheme

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

53

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 during the year

JNTUH has a registered Directorate of University Alumni Affairs to address the long felt need for a platform and cherished aspirations of its Alumni. The directorate of University alumni affairs have been established to take up alumni connect drives, explore and connect the present stakeholders with the illustrious alumni for opportunities leading to mutual growth and raise funding for various development activities including human resources and infrastructure.

The Directorate of University alumni affairs acts as a link between the "Alma Mater" and the "Alumni". It is moving ahead, with selfless intentions for the growth and development of the institute and the students. The Directorate of Alumni Affairs, since its inception in January 2023 has organized various events with the collaboration Alumni and Alma mater like "Meet the Achiever" program was initiated through which distinguished Alumni and renowned personality were invited to interact with staff and students of JNTUH, sharing their experiences and achievements.

The Directorate of Alumni Affairs also conducted Seminars and Webinars with notable Alumni. A mega event JNTUH Global Alumni Meet - 2023 was successfully conducted in the month of December, 2023 for which around 1500 participants from all

corners of the globe have actively participated.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

File Description	Documents
Upload relevant supporting document	View File

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

The JNTUH has a clearly defined vision and mission statements which are given below: Vision: To provide for the advancement of learning and knowledge in Engineering & Technology, Physical and Social Sciences by teaching, research or practical training or by such other means as the University may deem fit. Mission: To provide the form of education that allows students to spend periods of intramural work so that upon graduation not only do they possess a range of academic learning, but also learn and acquire knowledge for the benefit of the state in particular and the country in general. Imparting value based quality Technical education of international standard and imbuing skills for solving real life problems, and inculcating the global perspective which is inclusive and affordable to all the state holders. JNTUH follows the best and healthy practices in cultivating professional ethics and human values in professional life. JNTUH aims to bridge the gap between learning outcomes what is required through major reforms that brings the quality and integrity in the system which was endorsed by NEP-2020. The teaching- learning process is based on an internationalized curriculum driven outcome based education policy by considering the National Educational Policy (NEP 2020).

File Description	Documents
Upload relevant supporting document	View File

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

The JNTUH has been established by the act of Telangana state Assembly and has the governance system with decentralised structure and also have better involvement at all levels. The University has been granted an affiliating status by the state Government and one of the affiliating Universities in the state of Telangana for granting affiliations to private colleges offering Engineering, Pharmacy, MBA and MCA programmes. The University officials are the Chancellor (Governor of Telangana), the Vice Chancellor (Nominated by the Chancellor), the Rector, the Registrar, the Directors, the Finance Officers, the Principals of the constituent colleges, such other persons in the service of the University as may be prescribed. The governance has its own well defined policies, processes and standard practices for all levels. The functionality of the University is monitored by various authorities of the university like the Executive Council (EC), the Academic Senate, the Board of Studies, such other bodies. The Executive Council headed by the Vice Chancellor is the highest body in which ex-officio members from government, rector, registrar (Secretary to the Council), nominated members from the university units, affiliated colleges and Industrial members to implement the policy decisions. The Academic Senate of the university monitor the academic matters, information to related fellowships, scholarships, formulation of academic schemes for constituent and affiliated colleges, regulations regarding the student admissions, equivalence of examinations and degrees, teaching and research, faculty development etc.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The University has an effective strategic plan with respect to academic excellence, research excellence, collaboration, entrepreneurship and innovation, University social

responsibility & Individual Social Responsibility, globalization, strengthening the relationship with alumni, governance, infrastructure & resources, branding and governance. Major initiatives are made in the following directions to realize the strategic plans: Continuous update of courses and curriculum, inculcation of outcome based education and assessment, integrated teaching learning processes, inter disciplinary & multidisciplinary programs/ courses, usage of ICT in teaching-learning practices at par with National and International trends. Better research ecosystem has been established by producing research personnel, research projects and consultancy. The students are encouraged in product innovation and development in their endeavors with the support of J-Hub (JNTUH Innovation Hub). Attracting meritorious students of national and international origin and from all sections of the society through state level entrance examinations like TSEAMCET, TSECET, TSICET, TSPGECET etc. The institute is continually striving to achieve top ranks among the global institutions and recognition from various national accreditation bodies and ranking systems. Alumni cell promotes the close interaction with all alumni, industrial and academic partners for knowledge sharing and technology up-dation for young minds through workshops, guest lectures, faculty development programs etc. The University has prepared the perspective plan by involving all the Stakeholders of the system in line with our University's vision and mission. T

File Description	Documents
Upload relevant supporting document	View File

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

The University has established a robust governance system to ensure effective and transparent functioning. Led by the Vice Chancellor, who heads various committees, the governance structure includes the Executive Council, Academic Senate, Finance Committee, and UCPP, fostering collaboration. Adhering to state government guidelines, the University follows UGC-approved procedures for recruiting faculty through public notifications in national newspapers and on the website. Both internal and external committees review applications based on UGC norms, conducting interviews for final selection. Additionally, Assistant Professors (Contract) are recruited based on workload needs. The University maintains well defined

service rules for teaching and non-teaching staff, with adherence by all members. Principal/Directors/Officers oversee academic, examination, research, and regulatory matters within their units. They collaborate with academic and administrative staff, including Joint Registrar, Deputy Registrar, and Assistant Registrar, ensuring smooth operations. Specific units, such as Accounts, Library, and Inventory, are monitored by designated officers. Heads of Departments delegate responsibilities and form committees as needed, executing academic and administrative functions in consultation with the Director/Principal. This structured approach ensures efficient governance, fostering transparency and participation among stakeholders at JNTUH.

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

JNTUH's Performance Appraisal System for teaching staff encompasses three aspects: students' online feedback, examination result analysis, and staff progress assessment. Teaching staff are evaluated using indicators such as result analysis, student feedback, participation in conferences/workshops, publications, contributions to labs and course proposals, departmental contributions, project guidance, punctuality, and adaptability. Promotion avenues include higher

academic pay and progression to Associate Professor and Professor roles, with Career Advancement Schemes in place. Welfare measures for both teaching and non-teaching staff include pensioner benefits, GSLIC contribution scheme, general provident fund, yearly medical reimbursement, UGC grants for paper presentations, EL encashment, and various short and long-term advances. Incremental and RPS implementation, dearness allowances, and LIC Contributory Pension Scheme are provided for employees recruited after September 2004. For outsourcing staff, ESI/EPF contributions are made. Non-monetary welfare schemes cover leaves such as study leave, maternity leave, paternity leave, child care leave, medical leave, summer and winter vacations, casual leaves, optional holidays, and academic leave. These measures ensure a comprehensive and supportive environment for the well-being and career development of JNTUH's teaching and non teaching staff.

File Description	Documents
Upload relevant supporting document	View File

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

23

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

2416	
File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File
6.4 - Financial Management and Resource Mobilization	
6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources	
<p>JNTUH actively encourages faculty members in its constituent colleges to engage in research, consultancy, and learning and development activities. Research projects, funded by organizations like UGC, AICTE, DST, and others, are undertaken, contributing to substantial yearly revenue. The university promotes consultancy activities, a significant income source, including collaborations with public and private sector organizations. Learning and development encompass teaching, experiential learning, seminars, conferences, workshops, FDPs, and executive development programs, often in collaboration with other institutions with nominal registration fees. To fund these initiatives, the university raises funds, utilizing them for student developmental activities such as laboratory infrastructure maintenance, equipment upgrades, library book purchases, journal subscriptions, software acquisitions, new building construction, lab establishment, and organizing various events. Sources of funds include affiliation fees from engineering, pharmacy, and management colleges, examination-related student services charges, consultancy projects, research activities, and savings from the 4 MW solar power plant in JNTUH University College of Engineering Sulthanpur, which provides electricity at a discounted rate, contributing to the university's overall funding.</p>	
File Description	Documents
Upload relevant supporting document	View File
6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)	
0	

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

20.00

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4.4 - Institution conducts internal and external financial audits regularly

ACCOUNTING PROCEDURE Voucher: Before making a payment, the office prepares voucher by furnishing all the details of expenditure and bank cheque details. A voucher consists of sub-vouchers such as: Proceedings for payment, Original Bill Bank Accounts: The University maintains different number of accounts in the Bank based on its necessity. **AUDIT PROCEDURE** Each voucher is verified for its correctness by way of verifying the sub-vouchers. Receipt (Income)/ Expenditure entries are verified in all the cashbooks. Cash book entries are reconciled with the Bank statements (both Receipts and Expenditures). Finally, the audit party prepares Receipt-Expenditure statement and submits to the Registrar.

INTERNAL AND EXTERNAL AUDIT Objectives of the Financial Audits: Financial Planning and resource management is the foresights of the University in strategize its growth and development.

Pre Audit:- The expenditure of the university and their units are pre-audited by the internal accounts team before processing the payments and verify the university norms. After verification and approved by the pre-audit team, the bills may sent to the accounts section for payment. **State and AG Audits:-** The state audit team comprises the audit officer and other team members visit each and every unit of the University every year for auditing the each and every item of receipts and payments.

File Description	Documents
Upload relevant supporting document	View File

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

The Institutional Quality Assurance Cell (IQAC) at the university has undertaken numerous initiatives to institutionalize quality improvement in teaching, learning, and research. Student-focused measures include leveraging ICT and modern techniques, implementing outcome-based education with a choice-based credit system, and encouraging participation in value-added courses and experiential learning. Feedback from students on curriculum, teaching, and faculty is regularly collected, and skill development programs are organized for better placements. For staff, the emphasis is on faculty development through various workshops and conferences to enhance teaching and research skills. Curriculum feedback from staff members is considered to improve syllabi, and efforts are made to boost faculty members' research projects, publications, patents, awards, and consultancy activities. In terms of academic facilities, the university is digitizing library resources, incorporating smart classrooms, and expanding hostel infrastructure for both boys and girls. Pre-audit processes have been introduced for financial verification, and academic and administrative audits are conducted across departments, along with regular environmental, energy, and green audits. In governance, the university is committed to achieving its vision and mission by improving teaching and learning processes, implementing welfare schemes for staff and students, involving alumni in the IQAC committee, enforcing a code of conduct for employees and students, and encouraging MOUs with industries and reputable organizations.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic

A. Any 5 or all of the above

Administrative Audit (AAA) and follow up action taken Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The University's commitment to quality guides its decision-making and leadership in education. The governance system regularly monitors Teaching-Learning and research, striving for ISO-9001 standard-based Quality Management and meeting industrial needs. Focused on two Quality issues, it emphasizes Teaching-Learning excellence for competent graduates and adopts globalized courses. JNTUH ensures holistic student development through flexible curricular structures and participative learning. Notable developments in the past 5 years include significant research growth, numerous MOUs, robust online feedback mechanisms, faculty and staff development programs, enhanced library resources, student training initiatives, evaluation reforms, NIRF ranking participation, and increased emphasis on placements. Strengthening ICT infrastructure, laboratory resources, and state-of-the-art facilities align with industry needs. Ongoing efforts involve the upgradation/construction of centers of excellence, hostels, staff quarters, and administrative spaces within the lush green 80-acre campus in Hyderabad. With academic departments, research centers, auditorium, gymnasium, sports grounds, swimming pool, and various amenities, JNTUH provides an enriching environment for education and research.

File Description	Documents
Upload relevant supporting document	View File

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 year**

The University is dedicated to promoting gender equity through a variety of measures and initiatives, fostering an environment that ensures the well-being of every girl student. With over 50% of the total student population being female, the campus is recognized as a safe and secure place, providing a reassuring atmosphere for parents. The university boasts a significant number of women teaching faculty and staff at various levels, actively participating in numerous committees and administrative roles. Women faculty play crucial roles as heads of departments, principals, directors, and in administrative positions. They engage in organizing workshops, conferences, seminars, guest lectures, and various academic activities. Many have secured promotions and conducted research funded by prestigious agencies. They publish in reputed journals, present papers globally, file patents, and contribute to NSS activities. The Women's Association organizes International Women's Day events, inviting eminent speakers. Girl students actively participate in curricular activities, taking leadership roles in organizing events, paper presentations, and quiz competitions during technical fests. They engage in internships, workshops, and conferences, earning awards and prizes. Many excel in exams like EAMCET and GATE, pursue higher studies globally, and secure placements in renowned organizations. The university recognizes and celebrates their achievements, with some students earning top ranks, gold medals, and high packages in placement.

File Description	Documents
Upload relevant supporting document	View File
Annual gender sensitization action plan(s)	NIL
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	NIL

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above
File Description	Documents
Upload relevant supporting document	View File
<p>7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management</p>	
<p>Situated in a bustling city, the university maintains a well preserved and green campus despite external challenges like traffic and pollutants. The campus, almost like a residential area, includes hostels for boys, girls, research scholars, international students, and staff quarters, boasting excellent infrastructure. Collaboratively monitoring weather parameters with the City University of New York, the university conducts awareness training for stakeholders. Emphasizing hygiene, the university manages solid waste through bins across units, converting vegetative waste to vermicompost. Paper reuse practices and the sale of non-biodegradable waste contribute to sustainability. Liquid waste is efficiently managed via an underground drainage network, with treated water used for gardening since 2000. Constructed wetlands aid natural sewage treatment, aligning with Sustainable Development Goal no. 07. Rainwater harvesting systems, bore wells, and pond installations make the campus a zero-discharge zone, harvesting 10 crore liters of runoff annually since 2010. Groundwater levels improved, and fluoride concentration reduced after these initiatives. The university educates stakeholders on water conservation and avoids biomedical waste generation. E-waste is responsibly collected and sold to authorized vendors, and hazardous chemicals used in various departments are neutralized before disposal. The university prioritizes environmental sustainability, contributing to a clean and ecologically responsible campus.</p>	

File Description	Documents
Upload relevant supporting document	View File
7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Upload relevant supporting document	View File
7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 	A. Any 4 or all of the above

5. Beyond the campus environmental promotional activities

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

JNTUH has students based on international, national, regional, linguistic, communal and socioeconomic diversities who are pursuing their studies. Students from different countries across the globe and from different states such as Telangana, Andhra Pradesh, Jammu & Kashmir, north eastern states in India are studying in the different units and are staying on campus in the hostels. For inculcation of tolerance and harmony amongst students about the diversities in the university, a separate international hostel is provided for foreign students and the Indian students are allotted in the hostels according to the university norms. A few foreign research students are also staying in research scholar's hostels along with the Indian research scholars in order to have the harmony towards integrity with diversified backgrounds. The objectives of higher education policies of the nation are clearly reflected in the university mission of providing education to all the students. University always focuses on a peaceful, healthy and comfortable

campus for all the students while preserving the motto of unity in diversity. In the inter university competitions, the students' potential has been taken into consideration for selections and various regional and religious students participate. A special event "At Home" is being conducted every year for the foreign national students with their different cultural activities so as to create a homely environment.

File Description	Documents
Upload relevant supporting document	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

In line with the vision and vision of University, several extracurricular activities are carried out spread over the entire assessment period to inspire the students and employees to be aware and internalise the constitutional obligations of values, rights, duties and responsibilities as citizens, including their rights and duties towards their near and dear ones, friends, faculty and staff members, the university and the society, for the benefit of the state in particular and the country in general.. NSS unit is promoting digital literacy, Swachh Bharath, No-Plastic drive, paying tax, save water, save environment programs, blood donation, eye camp and so forth for the benefit of the surrounding villagers. Girl students are educating village girls on the importance of education, and ill-effects of child marriages. 5 villages were adopted under Unnat Bharath Abhiyan, under which a survey was carried out to identify the requirements and same is reported to the Government of India. Ethics: The Curriculum includes: (a) Constitution of India; (b) Professional Ethics; (c) Bioethics (c) Cyber Security (d) Intellectual Property Rights to make students understand the ethical responsibilities. Orientation programs are also organized for newly appointed faculty members under UGCHRDC directorate, where they are made aware of the values, ethics and responsibilities, in addition to teaching learning and evaluation methods.

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. The Code of Conduct is displayed on the website There is a committee to

All of the above

**monitor adherence to the Code of Conduct
Institution organizes professional ethics
programmes for students, teachers,
administrators and other staff Annual
awareness programmes on Code of
Conduct are organized**

File Description	Documents
Upload relevant supporting document	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our JNTUH celebrates a large number of commemorative days and a wide variety of religious festivals as outlined below: The National commemorative days observed every year include the New Year's Day, National Youth Day, National Voters Day, National Republic Day, National Science Day, Telangana formation day, Indian Independence Day, National Sports Day, Teacher's Day, Dr Ambedkar Jayanthi, Gandhi Jayanti, Dr Jagjivanram Jayanthi, Children's Day, National Mathematics Day and Engineers Day. Apart from the above, the University also observes different festivals and religious days for all students like Durga Puja, Holi, Ganesh Chaturthi, Maha-Shiva Ratri, BasantaPanchami, Ram Navami, Janmasthanami, Good Friday, Diwali, Bonalu, Bathukamma, Id-Ul_Fitre, Id-Ul-Juha, Muharram, Christmas and many others. Renowned Yoga professionals are invited on the occasion of International Yoga Day celebration. A session of basic yoga is taught to the students and staff. Every year the University celebrates International Women's Day with a theme like Women empowerment, women in industries, work-life balance, balance for the better, etc. The annual tech fest Spoorthy, Connaisance, Ayaset is being organized every year in their respective departments and students from other colleges are invited to participate in various technical and cultural competitions. Cultural fest named Spandana is organized by the student's enthusiastically by conducting different cultural activities to the students.

File Description	Documents
Upload relevant supporting document	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Best practices

1. The R&D Cell functions as an exclusive directorate overseeing the entire life cycle of Ph.D. research scholar, starting from enrollment and issuance of hall tickets to the award of the degree.
2. It follows well-defined procedures and practices, with clear roles assigned to each staff member. These roles are periodically shuffled to ensure versatility and efficiency.
3. The directorate is recognized for its prompt service to research scholars, with every file processed within a maximum of two days, and the average turnaround time being just one day.
4. Results of Research Review Meetings (RRMs) are announced and made available on the Research Scholar Information System (RSIS) portal on the same evening.
5. Orientation sessions are conducted for newly enrolled research scholars to enlighten and sensitize them about regulations and significant milestones in their research journey.
6. Research regulations are periodically revised to align with the UGC's model regulations.

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Distinctiveness Jawaharlal Nehru Technological University Hyderabad will issue Degrees to various students, who undergo UG, PG and Ph.D programs in varied disciplines of Engineering and Applied Sciences. These students will pursue their studies in various University Colleges, Affiliated College and Autonomous Colleges, which are geographically situated across the state of Telangana. Apart from content delivery, evaluation should be done for every semester. The evaluation model of the University is quite distinct and it is hassle free implementation from the past five decades with consistent improvements. Evaluation Model in a nutshell This model is first introduced by the University. Later it is a catch up to other universities. To detail the model, there are around 214 Colleges and the exams will be conducted for a student strength of around 1,26,000 every semester. Fairness in question paper

distribution is achieved with the help of Electronic Distribution Zero Discharge Campus Context University is surrounded by lot of commercial establishments and residential areas. Ground water is exploited to a larger extent by all these establishments. The land area for absorption of rain water has come down drastically. At the same time within the University water consumption increased due to increase of student strength. With this back ground "Zero Discharge Campus" initiative is taken up by the University and execution is carried out by Water Resources Department

7.3.2 - Plan of action for the next academic year

Plan of Action 1. Participation for improvement NIRF Ranking. All the faculty members are suggested to improve the R&D activities including research projects, consultancy and good quality publications. 2. Updating of Website: It is advised to all the faculty members to update their details of achievements in the website. 3. Implementation of National Educational Policy 2020 (NEP2020) : NEP-2020 has been initiated by the University as per the Page 106/107 16-01-2025 03:01:40 guidelines of Government. 4. Maintaining Qualitative Standards: It is planned to improve the quality parameters and bench marks for the next academic year onwards for both UG & PG programs. 5. Recognition and Accreditation of Courses. It is suggested to obtain NBA accreditation for eligible programs of different Units. If the validity of the programs is completed and directed to renew of Accreditation. 6. Extension Activities: It is advised to enhance the extension activities of the University by utilizing the services NSS, NGO and other Societies. 7. Training and Placement: The curriculum may be enriched with new advanced technical contents for the needs of the Industry so as to make the better placements. 8. Startup Activities: It is instructed to faculty members to encourage the students and research scholars to make the products out of their innovative ideas which are useful for the requirement of the society.