Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**
Name of the head of the Institution	**Jayesh Ranjan IAS**
Designation	**Vice Chancellor(in-charge)**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+914023156109**
Mobile no.	**9849427331**
Registered Email	**dap@jntuh.ac.in**
Alternate Email	**avsgupta@gmail.com**
Address	**Jawaharlal Nehru Technological University, Kukatpally**
City/Town	**Hyderabad**
State/UT	**Telangana**
Pincode	**500085**

2. Institutional Status

University	**State**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr B N Bhandari**
Phone no/Alternate Phone no.	**+914023156109**
Mobile no.	**9849427331**
Registered Email	**dap@jntuh.ac.in**
Alternate Email	**diqac@jntuh.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://jntuh.ac.in/uploads/downloads/NAAC_AQAR_201819.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://jntuh.ac.in/AQAR_2019_20_academic_calanders

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	**A**	**3.01**	**2017**	**12-Sep-2017**	**22-Sep-2022**
1	**A**	**85.70**	**2004**	**03-May-2004**	**02-May-2009**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**22-Mar-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

No Data Entered/Not Applicable!!!
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution of Science and Technology	TEQIP III	World Bank	2018 3	70000000
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**No**
Upload the minutes of meeting and action taken report	**No Files Uploaded !!!**
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

1. University has taken lead role to get better NIRF rank 2. The eligible affiliated colleges are asked to obtain the autonomous status. 3. Encouraged the affiliates colleges and units of the University to get NBA and NAAC. 4. More electives are to be given as part of Choice Based Credit system 5. Encouraged the faculty members to get better research funding and consultancy activities.

No Files Uploaded !!!

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

Plan of Action	Achivements/Outcomes
No Data Entered/Not Applicable!!!	
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	10-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The Management Information System includes the academic, administrative, faculty and student activities of the University. All the academic units have to upload the data related to the curricular and extracurricular activities of different units. The academic regulations and syllabi for different courses are uploaded after the approval of BOS. The academic calendars will be posted in the website after approving in academic council meeting. The affiliation procedures and process are displayed in the portal and the affiliation process is done every year for all the colleges. The student information has been collected from different colleges and their credentials are uploaded in the examination branch server. The reforms suggested by different committees are being implemented during the evaluation of the answer sheets by the examination branch. For internal marks, CBT is conducted through online mode. The attendance and marks of the students are collected through online mode from the colleges and stored in the data base of examination branch. The genuinity of the project reports of PG students are verified through antiplagiarism check and the data is stored in the server. The provision for certificate verification for different external organisations is provided on the portal and report will be generated in their mails. The applications are

submitted for transcripts, memos, CMM, PC and OD through online portal. The doctoral students can register for research review meetings through online and the results are published through this system. The plagiarism check for doctoral thesis is being done by the University. The staff details along with their achievements are being posted in the system. The student feed back for all courses is collected through online mode and the data is analyzed for the betterment of teaching learning processes. The students grievances are received through the portal and those are resolved by time to time. All the faculty members are affiliated colleges have to make registrations in the university academic audit cell portal. Implementation of eoffice in the university for all the administrative activities is initiated as per the RUSA guidelines in coordination with the state Government.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
Mtech	Nill	Nill	Nill	Nill

[View File](#)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

[View File](#)

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

Mtech	Biotechnology	01/07/2015
MSc	Biotechnology	01/07/2015
MSc	Microbiology	01/07/2015
Mtech	Chemical Technology)	01/07/2015
MSc	Organic Chemistry	01/07/2015
MSc	Analytical Chemistry	01/07/2015
Mtech	Environmental Management	01/07/2015
Mtech	Environmental Geomatics	01/07/2015
Mtech	Nano Technology	01/07/2015
Mtech	Water and Environmental Management	01/07/2015
Mtech	Spatial Information	01/07/2015
Mtech	Computer Science	01/07/2015
Mtech	Software Engineering	01/07/2015

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
[View File]()		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Institute of Science and Technology, JNTUH - Feedback in a semester three times will be discussed as we are taking online feedbacks from the students and the same is informed to the faculty for introspection and improvement Feedback on the teaching-learning process is an online process which includes 1) Course exit survey given by the students 3 times, immediately after commencing the class work, before first mid examination and the end of the semester, 2) Program exit survey at the end of the program by the students, 3) Alumni survey taken from alumni annually during alumni meeting, 4) Employer survey taken from

employer annually, where the student joined. The received feedback is then analyzed and it is also forwarded to the Head of the institution with necessary suggestions based on this feedback. Teachers provide informal as well as formal feedback to the head of the institution on different academic, administrative and other affairs related to the college. Grievances (if any) and necessary suggestions can be registered to the Grievance Redressal cell of the institution. School of Information Technology, JNTUH - Alumni students feedback is taken for revising the course structures and introduction of new subjects in the course curriculum. Teachers feedback is taken for improving the teaching facilities like providing more ICT facilities and use of digital library through internet. Parents feedback is utilized for improving student facilities like hostel facility. Students feedback is taken for enhancing the teaching skills of faculty and academic facilities like library, hostel etc. Employers feedback is improving the convenience in working facilities such that better service is provided to the students. School of Management Studies - Feedback is analysed to take corrective action after consulting the stake holders

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	**0**	**439**	**0**	**74**	**0**

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
66	**66**	**Nill**	**32**	**21**	**Nill**
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Normally the University is conducting induction program by inviting not only domain experts but also personality development/life skills experts to motivate the students. At the beginning of the academic year five students are assigned to each faculty as mentor, who will mentor the students regarding selection of proper elective subjects, provide suggestions on their academic performance, and also guiding them to adjust to the post graduate teaching and research. Mentor faculty will Even take care of the personal problems of the students if any. At college level mentoring of students is conducted by the departments of the institution. Mentoring of students is

based on the following objectives: To increase the teacher-student contact hours To identify and address the problems faced by slow learners to decrease the student drop-out rates To prepare students for the competitive world Every year, departments organize orientation sessions on the class commencement day for students of first semesters and explain the designing and implementation of the mentoring system of the department. 3 sessions of personal counselling per semester by allotting ~ five students / Faculty on Behavioral issues, career opportunities etc., Students are given mentoring for NET / SET Placement cell, grievance redressal cell, anti-ragging cell Student scholarships (SC, ST, BC, EBC, Minority) Students are encouraged to: Attend seminars/conferences, Participate in sports and cultural activities, Attend lectures on soft and communicative skills and stress management. Outcomes: The students pass percentage in the examinations is quiet encouraging. After completion of PG Courses, our students are equipped to qualify in CSIR/UGC-NET, SET, GATE, ICMR and other competitive examinations. Based on the Employer feedback, the students placed in the industries are performing well. Yes. Respective Course Coordinators will mentor the students regarding selection of proper elective subjects, provide suggestions on their academic performance. From Third semester students are allocated to Professors for mentoring and guidance on projects. The students can interact and take guidance on the academic matters, learning issues etc and take the benefit of their knowledge and experience. In fourth semester there is comprehensive viva-voce by external examiner to check the overall learning and development of the students. At the end of second semester student is required to take up summer internship and the reports are evaluated for 100 marks. In Fourth semester project viva- voce is conducted to evaluate the project.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
338	62	1:5

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
48	38	10	0	17

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	336	0

2.6 – Student Performance and Learning Outcomes

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

https://jntuh.ac.in/2019_20_program_specific_outcomes

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://jntuh.ac.in/2019_20_student_satisfaction_survey

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				

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

Name of Research fellowship	Duration of the fellowship	Funding Agency
No Data Entered/Not Applicable !!!		

View File

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				

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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		

View File

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category

No Data Entered/Not Applicable !!!
[View File](#)

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
[View File](#)					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Centre for Biotechnology	22
Centre for Chemical Science Technology	15
Centre for Environment	6
Centre for Pharmaceutical sciences	44
Centre for Water Resources	1
Computer Science Engineering	2
MBA	24

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
[View File](#)			

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

Department	Number of Publication
No Data Entered/Not Applicable !!!	
[View File](#)	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
[View File](#)			

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
[View File](#)						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	Nill	Nill	Nill	Nill
No file uploaded.				

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
View File				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
7452164	6620164

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
"VTLS -Virtua Software"	Fully	16	2006

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	559	52	442	17	11	11	11	120	120
Added	9	0	0	2	0	0	0	0	0
Total	568	52	442	19	11	11	11	120	120

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

540 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Moodle Platform	https://jntuh.ac.in/2019_20_facility_for_e_content

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
1300000	1177000	2646236	2646236

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

The University spent Rs. 134.00 lakhs for library books, journals (Printed and e-resources) in the year 2018-19. Print Journals: (Rs. 11.00 Lakhs): University Library has renewed subscription to 234 Nos. of print journals of National/International journals for the year 2019 for an amount of Rs. 11.00 Lakhs. Books Budget Sanction: (Rs. 20.00 Lakhs): The procurement of the Printed (Text Reference) Books to the University Library through book exhibition for an amount of Rs. 20.00 Lakhs for the year 2018-19 is under process. Digital Library: E-resources Online Journals: (Rs. 69.00 Lakh): University Library renewed subscription to 11 Nos. of E-resources/ Online Journals of National/International journals databases as per AICTE for the year 2019 for an amount of Rs. 69.00 Lakhs. e-books: (Rs. 34.00 Lakhs): Providing perpetual access to 348 Nos. of e-books to the academic users of JNTUH campus and also to

all the four Constituent Colleges at Hyderabad, Sultanpur, Jagitial and Manthani for an amount of Rs. 34.00 Lakhs (Rupees thirty-four lakhs only) is under process. The University is extensively promoting sports and games through its Constituent /Affiliated Colleges, Institutes, and Schools. The students are participating in various events and games inside and outside the college and are bringing laurels to our University. The Physical Education Department is headed by a Professor supported by two Assistant Physical Directors and two Grounds men. The following play facilities are available on the campus for both boys and girls: ·   Cricket ·   Basket Ball ·   Volley Ball ·   Throw Ball ·   Table Tennis ·   Badminton ·   Kho-Kho ·   Foot Ball ·   Caroms ·   Chess ·   Gymnasium etc. The Director, IST, JNTUH from time to time provide grants to maintain the Laboratories, Library, Class rooms for instance all the classrooms are under the director control of the Director IST. The Director IST has powers to give grant of maximum of one lakh for the development purpose of Departments. Faculty and Heads of the Departments can request the Director for providing the facility. The Director, based on the budget approval will sanction the amounts to the Departments.

https://jntuh.ac.in/2019_20_procedures_and_policies

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b)International	Nill	Nill	Nill
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Enteed/Not Applicable !!!			
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Enteed/Not Applicable !!!					
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	9

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

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

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

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

The centre for Chemical Sciences and Technology, IST, JNTUH has active cell of student council. This council consists of student elected class coordinator along with a teaching faculty. This student council actively participates in all activities of the institute with guidance of the teaching faculty coordinator. This council helps the teaching faculties as well as management of the institute both in academic as well as administrative activities as follows: - Coordination of academic activities throughout the semester - Coordination of

co-curricular and extracurricular activities smoothly - Coordination of industrial visits - Coordination of seminars/workshops by inviting external guests - Presenting the problems of students in front of teaching faculty as well as management - To assists teaching faculties heading various academic as well as administrative committees - Motivating the students to actively participate in various activities initiated by the Centre. Centre also provides the necessary support to student council for organization of any activity. Council helps the teaching faculty coordinators in many of the other committees as library, hostel, mess, grievance etc The centre has active cell of student council. This council consists of student elected class coordinator along with a teaching faculty. This student council actively participates in all activities of the institute with guidance of the teaching faculty coordinator. This council helps the teaching faculties as well as management of the institute both in academic as well as administrative activities as follows: - Coordination of academic activities throughout the semester - Coordination of co curricular and extracurricular activities smoothly - Coordination of industrial visits - Coordination of seminars/workshops by inviting external guests - Presenting the problems of students in front of teaching faculty as well as management - To assists teaching faculties heading various academic as well as administrative committees - Motivating the students to actively participate in various activities initiated by the Centre. Centre also provides the necessary support to student council for organization of any activity. Council helps the teaching faculty coordinators in many of the other committees as library, hostel, mess, grievance etc

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The concept of alumni association evolved for needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and formation of Alumni Association turned into reality. Objectives:- 1. To provide a forum to establish a link between the alumni, staff and students of the Institute. 2. To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society. 3. To help the alumni with their technical and relocation problems. 4. To try to find employment opportunities to students and fellow alumni members in need. 5. To give institute prizes and scholarships, and render financial aid to needy and deserving students of the Institute. 6. To assist in conduction and organizing academic activities like conferences, workshops, technical symposiums. 7. To contribute towards the welfare of the alumni. 8. To keep the alumni abreast of scientific and technological developments of national and global importance. 9. To generate funds to give scholarships to meritorious students and awards to toppers of all branches of engineering. 10. To arrange seminars and debates for technical guidance to students for knowledge and career Advancement. 11. To invest and deal with the funds of the Association. 12. To do such other lawful things as are conductive or incidental to the attainment of the above objectives and / or beneficial to the interests of the Institute and its Alumni. 13. To promote Entrepreneurship Innovation among the students. 14. To help Institute for effective liaison to Industry CPS: From last two years the Institution has registered Alumni Association and have an overall strength of 50 to 60 members. Out of these members12 members are from our department (Centre for Pharmaceutical Sciences). Alumni members were invited for various conferences, workshops and seminars to share their experiences with the current batch students how to co-up with the present

pharma market. Special Alumni meets were are conducted to discuss regarding the up gradation of curriculum activities, industry – institution collaboration for research work. Alumni Association is formed under Registration Act 2001 on 28th october2009, with Registration no -1240

5.4.2 – No. of registered Alumni:

3073

5.4.3 – Alumni contribution during the year (in Rupees) :

92000

5.4.4 – Meetings/activities organized by Alumni Association :

Yes, Institute level , Alumni meeting was organized on Feb 2nd 2019 at IST seminar hall , IST, JNTUH , The following are the Activities and Events done by Alumni Association from the period of Dec2019 to till date. EVENT NAME ORGANISERS Webinar for students and Alumni 13x Insights MBA Preparation session -3 Prashant Chowdhary seasoned by DI- LR Faculty with 4 years, 18-09-2021 Webinar for students and Alumni 13x Insights MBA Preparation session -2 DR.Shashank Prabhu National chief mentor- IMS, MBA- FMS Delhi. Session -2 A 100 day plan to get into IIMs, 23-08-2021 Webinar for students and Alumni 13x Insights MBA Preparation session-1 Prashant Chowdhary seasoned by DI- LR Faculty with 4 years, 12-08-2021 Open Innovation J-Hub Overview And Innovation Challenge Varad raj Krishna co-founderand CEO, the Gain co-founder, 100 opening start-ups Dr. Vijay Kumari Gunta Director , J-Hub Professor Computer Science. 17-07-2021 Academic Entrepreneurship and Navigating your professional journey Dr.Kishore Pochiraju Associate Dean undergraduate studies , Steven institute of Technology USA Mr.Ramesh Vemuganti Global Speaker. 10-05-2021 Scope of engineering- Need of Skills- Role of Alumni Dr.P.Bhramara Professor of Mechanical Engineering I/C of Alumni Affairs, 27-03-2021 Covert Potential into Performance Mr.Ramesh Vemuganti, Global Speaker Corporate Trainer 20-03-2021 Entrepreneurs creating successful Innovations for the communities Mr.Ramaswami founder CEF USA, Mr.Srinivas Adepu Founder CTO, Felxmotiv India 13-03-2021 Driving Innovation with Emerging Technologies DR.John Cohn IBM fellow IBM A1 Research USA 13-02-2021 A Successful Engineering must do Activities in B-Tech First year JNTUHCEH Along with Alumni Association. 23-01-2021 Inauguration of Regional Chapters USA JNTUHCEH Along with Alumni Association. 16-01-2021 Retirement Function Of Prof. G. Tulasi ram das JNTUHCEH Along with Alumni Association 27-12-2020 Career guide to Entrepreneurship Leveraging Social Networks for Career Growth. JNTUH Alumni Association USA 09-01-2021 Webinar on Entrepreneurship and Future of Digital Economy JNTUH Alumni Association, USA 20-12-2020 Webinar on MSME Policy and Career benefits to the graduates JNTUHCEH Along with Alumni Association. 12-08-2020 Webinar on Indian defence sector and career opportunities in Defence Industry JNTUHCEH Along with Alumni Association. 08-08-2020 International web conference on employment opportunities for the Repatraiates, employees from overseas during covid-19 Dr.S.Vijaymohan Rao, President of Alumni Association 19-08-2020 Live webinar on Lead India Jointly organised by JNTUHCEH Alumni Association and lead India 04-07-2020 How to get 75 Scholarship on Microsoft Certification T.J.Jayakar, vice-president of Alumni Association 27-06-2020 Career orientation program for engineers in civil services Alumni Association Deeksha Foundation 22-05-2020 Webinar on Corona virus JNTUHCEH Alumni Association 26-

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Vision Imparting technical education that encourages independent thinking develops strong domain of knowledge, hones contemporary skills and positive attitude towards holistic growth of young minds. Decentralization The institution has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system. 1. Director Level The Director in consultation with the Teachers' Council nominates different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body. 2. Faculty level Every year, the composition of different committees is changed to ensure a uniform exposure of duties for academic and professional development of faculty members. Following are the different sub-committees which have been nominated by Teachers' Council : ? UGC PFMS Seminar Proposal sub-committee ? Sub-committee for games and sports ? Journal and publication Sub- committee ? Cultural sub-committee Following committees are constituted accordance to government guidelines: ? Counselling and Career Guidance and Placement Unit ? Grievance Redressal Cell ? Website committee ? Anti Ragging Committee ? Press Media Sub- Committee 3. Non-teaching staff level Suggestions of non-teaching staff are considered while framing policies or taking important decisions. Participative management The institution promotes the culture of participative management at the strategic level, functional level and operational level. ? Strategic level: The Principal, governing body and Teachers council are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, discipline, grievance, support services, finance etc. ? Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee. Faculty members are involved in joint research and have published papers. ? Operational level: The Principal interacts with government and external agencies faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with the Principal and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The admission process was partly online up to third counselling and students had to be physically present during the counselling. Admission of students commenced after declaration of results of degree examinations by different boards and the first merit list was prepared, according to the merit index online. Fully online admission system from application to the counselling process has ensured a transparent process and students have been admitted on the basis of merit.
Industry Interaction / Collaboration	Faculty members have collaborated with national and international eminent academicians andresearchers and published research papers in the

	current year.
Human Resource Management	Students are encouraged to participate in seminars, special lectures, field tours etc to increase their skill and experience. Details can be found in the centre website. ? Centre organized, 5 workshop and 2 Guest lecturers to enrich students and staff in the academic year 2019-2020. ? Faculty members are encouraged to participate in trainings, workshops and staff development programmes. Different sub-committees are nominated by faculty members to ensure academic and administrative experience of faculty members.
Library, ICT and Physical Infrastructure / Instrumentation	As a post-NAAC initiative, the college has encouraged the use of ICT based techniques of study by arts departments. Computers have been allotted for PG students Research Scholars. The physical infrastructure has also received sincere attention from the college authority. In our Department 3 Classrooms are having Smart Boards (Interactive Panels).
Research and Development	Encouraging joint research by faculty members, which has resulted in their national and international joint publications. Encouraging faculty members to undertake major and minor research projects and disbursement of received research funds for purchase of items without delay. Faculty members are presently undertaking major and minor research projects funded by DST, DBT, UGC, INDOUS and others.
Examination and Evaluation	Semester examinations are conducted by IST, JNT university. Department conducts internal assessment of students according to the university guidelines. Class tests/surprise tests, student seminars, interactive sessions, practical examinations, debates etc are conducted by departments to evaluate the students. Examination sub-committees and tabulation sub-committees have been formed by the faculty members for effective implementation of the evaluation reforms of the university.
Teaching and Learning	1. Improvement of computer aided methods of teaching and learning. Faculty members have attended the workshop on MOOCs, E-content and open educational resources organized by UGC-

	HRDC. 2. Special lecture organized by Department wise. 3. Field tours organized by the Department for PG Students. 4. Enrichment of central library and departmental seminar libraries.
Curriculum Development	Curriculum designing and development is decided by the university. Director and Faculty members interact with the university and provide their views related to curriculum development. The process involved in designing of the curriculum is as follows: Initially UGC and AICTE regulations were followed for designing the curriculum based on Blooms taxonomy. Program assessment committee (PAC) collects the feedback about the program from all the stakeholders. The stakeholders include faculty, students, experts from academia, industry and research organizations, administration, alumni, parents and employer. Later the data obtained from regulatory authorities such as evaluation of students, their employability and scope for higher studies are also collected and used for revision of curriculum. This data is analyzed by the DAB in a series of brain storming sessions. Feedback obtained from the stakeholders and the observations made by PAC are submitted to the Department Advisory Board (DAB)/ Board of Studies for further evaluation and developments. The Board of Studies includes Head of the Department, faculty members, research experts, scientists, Industry personnel from different professional streams and also student representative. The Board of studies takes into consideration the vision and Mission of the institute, PEOs, POs and the inputs of DAB for refinement of the program curriculum. The final refinement and approval of the curriculum takes place in the BOS meetings. The approved copy of syllabus is communicated to the Director (IST) for approval in Board of Governors (BOG)/Academic council of IST. In the year 2015 Choice Based Credit System has been introduced. The program curriculum is evaluated by evaluation of student performance (Mid-term End-term examinations, seminars and project work) and feedback obtained from the students directly. The curriculum is also evaluated in terms of

opportunities for higher education and employment for the students and also based on alumni and employer survey. The Gaps identified in the curriculum are filled by regular revision of the syllabus and improvement in the instruction and evaluation methods.

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

E-governace area	Details
Administration	Notices and circulars are uploaded in the IST website and communicated to different departments through e-mail from the office of the centers.
Student Admission and Support	Applications are submitted for admission to different courses through the online admission portal. ? Online counselling is scheduled based on the merit list of candidates. E-mail ids and contact numbers of all members of Anti Ragging Committee, Anti Ragging Squad and Internal Complaints Committee have been uploaded to the department website and students can communicate to the members through e-mail.
Examination	Examinations are conducted at the end of each semester. Department informs students about the university notices and circulars related to the examinations from time to time through student notice board, departmental notice boards and also verbally by the faculty members of the department. Department will conduct internal assessment of students and students are well informed about these internal examinations well in advance by the department. Internal assessment dates are also provided by the institute in the proposed academic calendar prepared at the beginning of each academic session.
Finance and Accounts	1. Salary of faculty members and staff is transferred directly to the bank account. 2. Tender is notified as per the government guidelines for purchase of items. 4. Payment for the work orders is done through PFMS according to government guidelines.
Planning and Development	All the upcoming activities of the University/Academic Units like workshops, conferences, notifications, tenders are uploaded on the University website regularly. Apart from these the necessary information for affiliated colleges regarding affiliation,

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
University has implemented several welfare schemes such as group insurance, housing loan, provident fund, university health centre, medical reimbursement, other loans like car, vehicle, scooter etc, medical leave, maternity and paternity leaves, QIP	Non teaching staff association is working actively for resolving the issues of non teaching staff. All the welfare facilities given to teaching staff are extended to the non teaching staff members.	Hostel facility for both boys and girls in the campus. BC/SC/ST welfare scholarships are provided to all the eligible students. Merit scholarships are extended to the meritorious students. GATE scholarship is being provided by AICTE to all

scheme for doing Ph D at top level institutions, study leave for continuing higher education etc. SC/ST associations to take care of the welfare and grivences of the faculty members. An ambudson officer is available in the University to resolve the problems related academic and nonacademic issues. Women association was established for the rights of the women faculty members.		the GATE qualified PG students. Few doctoral students are given the TEQIP/CSIR/DST/UGC fellowship for continuing the research work.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The Institution is a government institution. Financial audit is conducted by Accountants General (AG), Telangana, Government of Telangana state and the frequency of audit is once in a year.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	Nill	Nill
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AICTE	Yes	TEQIP-III(performance audit)
Administrative	Yes	AICTE	Yes	TEQIP-III(performance audit)

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

The affiliated colleges who are eligible for getting UGC autonomy are advised to apply for autonomous status. Many colleges already have got the autonomous status in last few years in our University. This year also three colleges got autonomous status. University is encouraging the college to initiate the research centres to promote the research activity, which will help the colleges to get autonomous state. University encouraged the colleges to obtain the NAAC and NBA for the eligible colleges.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Every year end of the semester parent teacher meet is organized. 2.Their feedback is taken to improve quality of education and other facility	

6.5.4 – Development programmes for support staff (at least three)

1. Support staffs are motivated to take participation in skill development program like PMKVY. Two staffs are currently attending courses. 2. Insurance of all Non-teaching staff. 3. Non-teaching staff is promoted to attend workshops. Conducted 1 parent teacher meet to give feedback on the student's performance and opportunities to develop.

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

Post-accreditation initiatives based on the examinations mentioned in the Peer team report: 1. ICT should be increased in teaching learning process Post accreditation initiative: The departments have been provided new computers and printers to increase the use of ICT enabled teaching and learning. Computer-aided methods are now used by majority of the departments to deliver lectures. 2. Faculty should be encouraged to undertake F.I.P. In the current academic session all faculty members have participated in different faculty improvement programmes. 3. The college should have some more smart classes Construction of three new smart classrooms (Department of Biotechnology) has been completed and teaching-learning process has started in these three smart classrooms. Centre organises International/national workshops Conference to improve research culture in the Institute. Students and faculties from institute as well as from outside the institute used to present their Research paper. To enhance employability Industry Institute Interaction is strengthen. I. Specialisation: Entrepreneurship: With six elective Courses Three(3) in 3rd Semester Three(3) in 4th Semester II. Elective Subjects: : 1.Business Ethics Corporate governance 2.Cross Culture Marketing 3. Rural Marketing Core course 1.   Statistical Data Analysis 2.   Logistics Supply chain Management 3.   Financial Derivatives

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Equity Action Plan A Two-Day	07/08/2019	08/08/2019	40	60

Workshop on "Sensitization of Socially Challenged Comm unities-Higher Education Under TEQIP-III				
one day workshop on synthesis, char acterization and applications of Nanomaterials on 01-02-2020 under university social responsibility	01/02/2020	01/02/2020	12	12

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

Percentage of power requirement of the University met by the renewable energy sources
•   The CWR, IST, JNTUH has taken up large scale conservation of rainwater by harvesting 10 crore liters on a normal rainfall year. This is first of its kind in the Telangana state maintaining zero discharge of rain water from the campus. The constructed rainwater harvesting structures need minimal maintenance.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	4
Ramp/Rails	Yes	2
Scribes for examination	Yes	2
Special skill development for differently abled students	Yes	2
Any other similar facility	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
TWO DAY WORKSHOP ON WOMEN OCCUPATONAL HEALTH SAFETY, UNDER TEQIP-III	22/11/2019	10

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
TWO DAY WORKSHOP ON WOMEN OCCUPATONAL HEALTH SAFETY, UNDER TEQIP-III	22/11/2019	23/11/2019	10

[View File](#)

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

1. Tree plantation programmes are organized by NSS 2. The CWR, IST,JNTUH has taken up large scale conservation of rainwater by harvesting 10 crore liters on a normal rainfall year. 3. This is first of its kind in the Telangana state maintaining zero discharge of rain water from the campus. 4. The constructed rainwater harvesting structures need minimal maintenance. 5. Rain water harvesting Institute has harvested the rain water flowing as waste through the slopes of open land. This has helped to increase the water level in nearby area. 6. Tree Plantation In every year , institute conducts the activity of tree plantation with the help of NSS (National Social Service) cell. This helps to protect the environment as well as to develop the environmental awareness in between the students.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

2.   Academic Audit: i) Academic audit conducted once in every semester . every faculty member maintains course files for the theory as well as laboratory subjects. Following are placed in course files for audits - Attendance record - Internal marks statement - Copies of test question papers - Samples of answer papers - Assignments - Laboratory manuals. 2. Objectives of practices -to ensure every faculty member is performing well in teaching and research -to give feedback to faculty members on area which need improvement Best practices of the Centre for Nanoscience and Technology: Ø Helping and mentoring for Slow Learners Ø Evaluation Monitoring of learning Capabilities : Ø Assignments, Seminar reports, Project reports Ø Involvement in RD projects, seminars conferences Ø Visits to Industries, RD laboratories and Field studies Ø Encourage Faculty to Carry out Research and Development Projects. Ø To Make the Department as a Centre of Excellence in RD Activities. Ø MoUs with Reputed Educational and RD Institutions in India as well as Abroad. Ø Patenting of innovative works. Ø Encourage students towards Entrepreneurship Ø M.Tech. students are encouraged to do projects (Lab curriculum) in the center and publish in a peer reviewed journals INNOVATIONS USEFUL FOR PEOPLE OR ADMINISTRATORS DURING COVID 19 PANDEMIC Ø Dr. K Venkateswara Rao Professor Head, CNST, IST, JNTUH made research to eradicate Covid19 Virus with the help of nano materials in collaboration with Diskha mineral company Hyderabad. Ø Preparation of Nanosanitizers using Hydrogen peroxide and Nanosilver in collaboration with D Nanotechnologies Hyderabad. Ø Preparation of Environmental sanitizers. Source links: https://www.youtube.com/watch?vkXgeRG0pKPIfeatureyoutube https://www.youtube.com/watch?vuBky4S4K3I4featureyoutube Ø Dr. CH Shilpa

Chakra, Assistant Professor, CNST,IST,JNTUH made efforts for covid-19 by 3D printing PPE kits for doctors and concerned health care workers and Police. Ø Submitted DST-SERB short Term project for Covid-19. Source link:https://www.youtube.com/watch?vdCwy8lKHpZYfeatureyoutube Ø Submitted collaborative project proposal under RashtriyaUchchatarShikshaAbhiyan (RUSA 2.0),Ministry of Human Resource Development on " Printable Energy Storage Device for portable devices based on nanomaterials" with Yogi Vemana University. Submitted collaborative project proposal under RashtriyaUchchatarShikshaAbhiyan (RUSA 2.0), Ministry of Human Resource Development on "3D printing, Design and Development of an efficient Polyethylene Glycol coated Zinc Oxide Nanoweapon to fight against COVID-19" with Yogi Vemana University. •   In its efforts towards sustainability, CWR, IST, JNTU Hyderabad has established a robust Rainwater Harvesting Systems in the campus. So far the Institute is able to harvest around 6 crore liters of rainwater. This made IST, JNTUH stand resilient to its water demands in spite of experiencing weak monsoon this year. •   Rainwater Harvesting initiatives by Dr.M.V.S.S.Giridhar of CWR, IST, JNTUH have earned applauds from various Universities, administrative bodies, Media and Local Communities. As IST, JNTUH has organized various Workshops, Conferences Awareness programs, these structures served as demonstrative models for students, environmentalists, professionals and practitioners. •   In championing the cause of Water Conservation and Awareness, The Institute of Science and Technology has taken up free consultancy projects for rainwater harvesting in Tirumala Tirupathi Devastanam, Sri .Venkateswara University, Tirupathi Municipal Corporation and Local residential Communities of Hyderabad in Pragathi Nagar, Matru shree Colony etc. •   Soft Skills and Personality development is made part of curriculum. •   Updating the curriculum for every two years. •   Feedback from Alumni, Industry and academic peers is considered before going for curriculum updating. •   Employability, need based and job centric are the major considerations in curriculum design. •   Curriculum of premier institutes like IITs NITs and IIITs are referred for the development of Curriculum. •   Incorporating more number of electives to make the curriculum flexible. •   Design the curricula considering the overall student quality. •   Frequently organizing Workshops, Seminars, Hackathons to empower the students.

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

https://jntuh.ac.in/2019_20_institutional_best_practices

7.3 – Institutional Distinctiveness

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

·   JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). ·   The University is ranked 45th in the engineering stream of NIRF Rankings 2019. ·   MHRD sanctioned Rs. 20 Crores towards new infrastructure development, renovation and equipment, out of which Rs. 14 Crores has been released through Rashtriya Uchchatar Shiksha Abhiyan (RUSA). ·   JNTUH has been identified as an Affiliating Technological University (ATU) under the components of 1.3 of TEQIP- III by NPIU (National Project Implementation Unit) from 2017 to 2020. In order to implement TEQIP – III activities, the NPIU has granted an amount of Rs. 7 Crores towards research activities and Faculty Development Programmes for Mentee Universities and JNTUH. The four mentee Universities of focussed states identified are: 1.   Assam Science Technology University, Guwahati, Assam, 2.   Chattisgarh Swamy Vivekananda Technical University, Chattisgarh, 3.   Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, Madhya Pradesh,

4.   Rajasthan Technical University, Kota, Rajasthan. ·   Jawaharlal Nehru Technological University Hyderabad launched a University wide Innovation and RD initiative JNTUH Innovation Hub (J-Hub), on January 6th 2018. J-Hub is a unique platform that matches the strength of student talent and R D in the University to incubate tech- solutions and start-ups with the support of the industry and the entrepreneur network available in the state and globally. The J-Hub extends support at all stages in the ecosystem from the idea to incubation of start-ups.

Provide the weblink of the institution
https://jntuh.ac.in/2019 20 performance of the institution

8.Future Plans of Actions for Next Academic Year

Centre for Biotechnology (CBT) Development of World class laboratory facility w.r.t Molecular biology, Chemical engineering and Microbiology To generate more Entrepreneurs from the centre to start industries in biotechnology and allied area Continuing the practice of generating highly skilled human resources to cater to the research and teaching needs of the country To achieve the goal of self sustenance Encouraging more participation from the industry for infrastructure and research grants Supporting centre for Atal incubation centres Centre for Chemical Science Technology (CCST) 1) Centre has planned to deliver the outcome based education more effectively. 2) Centre has planned to sign more number of MOU's with the various industries as well as premium institutes. With the help of this sharing of expertise and facilities will be focused prominently. This will help both the students as well as faculty to be in touch with new technologies as well as research methodologies. 3) Centre has planned to carry out more number of trainings, workshops and submission of funding proposals so as to have overall upliftment of the institute. 4) The continuous assessment of the teaching faculty will be carried out with the help of weekly report submitted by individual faculty duly signed by HOD. 5) Centre has planned to enhance career guidance to students. 6) Centre will maintain student academic and mentoring record. 7) Centre is planning to provide infrastructure comparable to international standards. 8) Centre has planned to strengthen the cooperation among the Stakeholders like Students, faculty, parents and employers etc., 9) Centre is focusing more on area specific research aimed at meeting national needs. Centre for Environment (CEN) 1. We have introduced environmental modeling course in the M.Tech Environmental management program. To give practical exposure to the students, these softwares like visual modflow and airmod are essential. 2. In the present curriculum we have introduced applied Geomatics course in M.Tech EGM and GST for smart city planning and development. This requires advanced laboratory facilities and software to process high resolution images for feature extraction. 3. Photogrammetric suite with hardware and software will make students to learn and execute research on application areas of DEM, DTM and DSM. Photogrammetry is generally used for the processing of raw imagery through to the creation of geospatial data products such as digital terrain models, 3D features, and digital orthophotos. 4. Renovation of labs: Water lab and waste water treatment labs needs renovation as all the work benches, fume hoods, exhaust fans, curtains and racks were spoiled due to chemicals. Cold room is also necessary for sample preservation. 5. Al the hardware and computer systems in the department nee to be connected in LAN and with good networking platform. As the teaching and learning is going to be on virtual mode in the coming days, establishment of LAN may facilitate students to log in and work on machines simultaneously using teams.