



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Accredited with 'A' Grade by NAAC)

XI CONVOCATION

Convocation Report

By

Prof. Katta Narasimha Reddy

Vice-Chancellor

18March2023

**JAWAHARLAL NEHRU AUDITORIUM
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABADKUKATPALLY, HYDERABAD - 500085, TELANGANA**

REPORT OF THE VICE-CHANCELLOR

Honorable Governor of Telangana State, Lieutenant Governor of Puducherry and Chancellor of Jawaharlal Nehru Technological University Hyderabad, **Dr. (Smt.) TAMILISAI SOUNDARARAJAN**; the Distinguished Chief Guest and Recipient of Honoris Causa, **Dr. Krishnaswamy Kasturirangan, Padma Vibhushan awardee**, Chancellor of Central University of Rajasthan and NIIT University, Rajasthan.

Respected Members of the Executive Council, Distinguished Guests, University Officials, Directors, Principals of University and Affiliated Colleges, Invitees, Learned Colleagues, Recipients of Degrees and Gold Medal Awardees and their proud Parents, Representatives of the Press and Media, Ladies and Gentlemen:

It gives me immense pleasure to welcome you all to the XI Convocation of Jawaharlal Nehru Technological University Hyderabad.

On this happy occasion, I extend a hearty welcome to Hon'ble Governor of Telangana State, Lieutenant Governor of Puducherry and Chancellor of Jawaharlal Nehru Technological University Hyderabad, **Dr. (Smt.) TAMILISAI SOUNDARARAJAN** to the XI Convocation of JNTUH. We are grateful to you, Madam, for gracing this occasion.

It is an honour to welcome **Dr. K. Kasturirangan**, Chancellor of Central University of Rajasthan and NIIT University, Rajasthan, Chief Guest, and Recipient of Honoris Causa. We thank you, Sir, for accepting the Honoris Causa from this University and consenting to deliver the XI Convocation Address as the Chief Guest.

My sincere thanks are due to those who instituted Gold Medals and Scholarships for the rank holders in various academic disciplines. In this Convocation **46** Gold Medals are instituted; Out of which **14** are for the University Colleges, **10** are for the Affiliated Colleges and **22** are Endowment Gold Medals.

JNTUH has been endeavoring to excel in teaching and research in the disciplines of Science, Engineering & Technology, Management and Humanities & Social Sciences.

1.0 ABOUT THE UNIVERSITY

Jawaharlal Nehru Technological University, Hyderabad was established on 2nd October 1972 by the ACT of State Legislature of Andhra Pradesh No.16, as the first ever Technological University in the country. It has been in the forefront during the last fifty years (1972-2022) in providing quality technical education of relevance in the State and the country by facing challenges and promoting the pedagogic vision for future needs at global level. Last year, JNTUH celebrated Golden Jubilee with full pomp and fervour. In the year 1995 the University has been granted an Affiliating status by the state Government and since then JNT University has become one of the largest affiliating Universities in the state of Andhra Pradesh and in the Country and granting affiliations to private colleges offering Engineering, Pharmacy, MBA and MCA programmes in the Unified State of Andhra Pradesh.

After 37 years of relentless service to the society at large, JNT University, Hyderabad was restructured into 4 different Universities namely JNT University Hyderabad, JNT University Anantapur, JNT University Kakinada and JNAFAU, Hyderabad by the Government of Andhra Pradesh vide Government Order No. 13, dated 18 August 2008 and the Act of State Legislature No. 30, dated September 2008. Since then, the university was re-designated as Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad. The jurisdiction of the University is entire Telangana districts of the unified state of Andhra Pradesh.

On 2nd June 2014, the new state of Telangana was formed by reorganizing the Unified state of Andhra Pradesh. Since then, the JNTUH has been working as the State Affiliating University of Telangana State, with the Act. no.30 of 2008 of erstwhile State of Andhra Pradesh.

JNTUH is accredited with 'A' Grade by the National Assessment and Accreditation Council (NAAC). The University is ranked **76** in the Engineering

Stream of NIRF Rankings 2022. The University has **8** University colleges (with JNTUH UCE Wanaparthy started from the AY 2022-23) and **1** academic unit in addition to **12** administrative units and **5** Centres of excellence. JNTUH University College of Engineering Jagtial was accredited with A+ Grade by National Assessment and Accreditation Council in the year 2022.

The University Engineering/Pharmacy Colleges of JNTUH are offering B.Tech. in **11** branches, B.Pharmacy, BBA (DA), M.Tech. in **31** specializations (including **3** new specializations in Artificial Intelligence & Data Science, VLSI System Design, Robotics and Artificial Intelligence from AY 2022-23), M.Pharmacy in **4** specializations, M.Sc. in **8** specializations, MBA and MCA, and Five-year Integrated Dual Degree Master's Program in **6** specializations with M.Tech. Additionally, M.S. and Ph.D. programs in various disciplines of Engineering, Technology, Science, Management and Humanities & Social Sciences are offered. The University has Memoranda of Understanding (MoU) with **32** International and National Organizations/Universities/Institutions.

JNT University Hyderabad accords affiliation to self-supporting colleges. In addition to the University Colleges of the University, JNTUH has **214** Affiliated Colleges (**141** Engineering; **68** Pharmacy; and **5** stand-alone MCA/MBA) spread over 33 Districts of Telangana State. The University offers B.Tech. in **24** branches with **2** new B.Tech. Courses (Pharmaceutical Engg. and Biotechnology) initiated during Academic Year 2022-23. JNTUH also offers B.Tech. **Honors** and **Minor** programs in emerging areas such as IoT, AIML, Cyber Security, Data Science and Innovation & Entrepreneurship; B.Pharmacy; BBA (DA); M.Tech. in **24** specializations; M.Pharmacy in **10** specializations; MCA, MBA, Pharma.D and Pharma.D (PB) programs in affiliated colleges. It has more than 2.50 Lakhs of students on rolls. Thus, JNTUH is a major University providing quality technical education in the State.

Jawaharlal Nehru Technological University, Hyderabad celebrated Golden Jubilee 2021-2022. Significant activities were conducted during the Golden Jubilee Year and key events are mentioned below:

Starting New UG/PG Programs:

- Joint Boards of Studies meetings were conducted during 19 - 21 May 2022 to revise the syllabi of all UG, PG programs as per CBCS & AICTE Model Curriculum from the Academic Year 2022-23. The joint BoS meetings also aimed at the successful implementation of various aspects of National Education Policy-2020.
- A **3-Year Regular BBA (DA)** program is initiated by the School of Management Studies, JNTUH from the Academic Year 2022-2023. The course is designed in tune with latest technological developments and requirements as per the corporate, industry and business requirements. Admissions are through Telangana State Council for Higher Education (DOST).
- Also initiated BBA (Data Analytics), a **3-Year Dual degree** program for UG/PG pursuing students for obtaining parallel degree for better employment opportunities.
- The School of Continuing and Distance Education offers certificate courses in Artificial Intelligence and Machine Learning, Data Science with Python Programming, Blockchain Technology, Cloud DevOps. In addition, it is proposed to start Post Graduate Programmes like MBA, MCA, M.Sc. (Mathematics) and others in online mode.

Creating Infrastructure; Central Facilities for Academic Research:

- Golden Jubilee Conference Hall was inaugurated on 9 April 2022 by Hon'ble Vice-Chancellor of JNTUH, Prof. Katta Narasimha Reddy on the occasion of Vice-Chancellors' Conference held during 8 – 9 April 2022.
- Weather Station is installed and was inaugurated on 28 September 2022 by Hon'ble Vice-Chancellor of JNTUH.

- Hon'ble Vice-Chancellor along with senior faculty members visited IIT Hyderabad on 13 December 2021 to explore academic & research collaboration and to interact with the faculty members.

Organizing National/International Conferences, Workshops/ Training Programs/ Endowment Lectures and Invited Talks with Industry Experts for Faculty/Staff and Students:

- An **all-India Conference** of Vice-Chancellors of Universities offering Engineering & Technology Programs was held during 8 – 9 April 2022.
- An International Conference on Innovations in Engineering and Technology (**ICIET-2022**) was organized during 15- 17September 2022.
- The Department of Mining Engineering of JNTUH University College of Engineering Manthani conducted a one-day National Conference on “Emerging Trends in Mining Engineering & Industry” on 7July 2022.
- A five-day National Conference on “Introduction, meet and greet” and a two-day International Conference on “Current Advances in Pharmaceutical Industry and Development” were conducted by Institute of Science and Technology, JNTUH.
- A workshop on CUNY – India Climate Collaborative was held in collaboration with Bronx Community College, CUNY and CUNY CREST Institute, Institute of Science and Technology and Dept. of Civil Engineering, JNTUH on 28 September 2022.
- A three-day online Workshop on “Procedures & Preparation of SSR for NAAC” was organized by Internal Quality Assurance Cell of JNTUH during 21 - 23April 2022.

Promoting Start-up Activities:

- 11 Hackathons were conducted by J-HUB - J Labs during 29 April 2022 – 02 July 2022 and 1500+ students participated in the J-HUB Hackathon events. J-HUB has been granted IDEA Lab (Idea Development, Evaluation & Application Lab) by AICTE with joint contribution by University. The total sanctioned amount was Rs. **113.60 Lakhs**.

- JNTUH Innovation Foundation - JTBI funded by DST Nidhi scheme is launched. It serves as a Launchpad for the Techno Startups and Aspiring Entrepreneurs at various stages - Ignite, Ideate and Incubate to increase the number of successful startups originating and developing in the region.

Organizing Job Fairs, Signing of MoUs and Collaborative Programs:

- University Industry Interaction Cell (UIIC) organized a Mega Job Fair on 18 & 19 December 2021. Her Excellency, Governor of Telangana State, Lt. Governor of Puducherry & Honourable Chancellor of JNTUH, Dr. (Smt.) Tamilsai Soundararajan, graced as the Chief Guest for the inaugural function.
- University Industry Interaction Cell (UIIC) organized a Mega Job Mela on 6 December 2021.
- UIIC conducted Internship fair in collaboration with **HYSEA** with 1000 internships on offer.
- **JNTUH-NASSCOM** MoU Exchange & Orientation program on NASSCOM FUTURE SKILLS PRIME was held on 20 November 2021.
- Industry-Ready Professional Training by **VEDA IIT** leading to a Job was approved for B.Tech. IV Year (ECE/EEE/CSE) students of University/Autonomous/Affiliated colleges.

Organizing Cultural, Sports and Extracurricular Activities:

- University wide Essay and Short film contest on Cybersecurity and Narcotic Drug Abuse was conducted by JNTUH in collaboration with Telangana State Council of Higher Education.

All the JNTUH faculty, staff, alumni members and students vigorously contributed to the above programs.

2.0 GOVERNANCE

The following members have been appointed for the Executive Council of JNTUH by the Government:

1.	Prof. Katta Narasimha Reddy Vice-Chancellor, JNTUH, Hyderabad	Chairman
2.	Smt. V. Karuna, IAS	Member

	Secretary to Government, Higher Education Department, Telangana State	
3.	Sri K. Ramakrishna Rao, IAS Special Chief Secretary to Government, Finance and Planning (IF) Department, Telangana State	Member
4.	Commissioner for Technical Education, Telangana State, Hyderabad	Member
5.	Dr. A. Govardhan Senior Professor of CSE & Rector, JNTUH, Hyderabad	Member
6.	Dr. S. Tara Kalyani Senior Professor of EEE & Director, UIIC JNTUH, Hyderabad	Member
7.	Dr. T. Vijaya Lakshmi Associate Professor, Head & BoS Chairperson Centre for Environment, JNTUH UCEST Hyderabad	Member
8.	Dr. C. D. Naidu Principal VNR VJIET, Pragathi Nagar, Nizampet, Hyderabad	Member
9.	Dr. G. Vishnu Murthy Professor & Head, Dept. of CSE Dy. Director of Anurag Group of Institutions, Hyderabad	Member
10.	Sri V. Rajanna Senior Vice-President & Global Head-Technology, TCS 1 SEZ Unit, Synergy Park, Gachibowli, Hyderabad	Member
11.	Sri Shrikant Sinha CEO Telangana Academy for Skill and Knowledge (TASK), S.P. Road, Begumpet, Secunderabad	Member
12.	Sri Arutla Prashanth Chairman Hyderabad Institute of Technology and Management Gowdavalli, Medchal, Medchal-Malkajgiri Dist.	Member
13.	Sri Masood Hussainy Tata Advanced Systems, TSIIC, Aerospace & Precision SEZ, Adibatla, Hyderabad	Member
14.	Dr. M. Manzoor Hussain Senior Professor of ME and Registrar JNTUH, Hyderabad	Secretary

2.1 For effective governance and decentralization of administration, several members of the faculty have been appointed in administrative positions in different capacities. The list of administrators occupying various positions is given below:

S. No.	Posting	Name	Designation
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1.	Rector	Dr. A. Govardhan	Sr. Prof. of CSE
2.	Registrar	Dr. M. Manzoor Hussain	Sr. Prof. of ME
3.	Director, Academic & Planning	Dr. M. Chandra Mohan	Prof. of CSE
4.	Director of Evaluation	Dr. K. Venkateswara Rao	Prof. of Nano Tech.
5.	Director, UAAC	Dr. D. Srinivasa Rao	Sr. Prof. of ECE
6.	Director, R&D Cell	Dr. K. Vijaya Kumar Reddy	Sr. Prof. of ME
7.	Director, UFR	Dr. B. Balu Naik	Sr. Prof. of ME
8.	Director, BICS	Dr. V. Venkateswara Reddy	Prof. of Civil Engg.
9.	Director, Admissions	Dr. G. Venkata Rami Reddy	Prof. of IT
10.	Director, SCDE	Dr. G. Krishna Mohana Rao	Sr. Prof. of ME
11.	Director, UGC-HRDC	Dr. G. K. Viswanath	Sr. Prof. of CE
12.	Director, UIIC	Dr. S. Tara Kalyani	Sr. Prof. of EEE
13.	Director, J-Hub	Dr. G. Vijaya Kumari	Sr. Prof. of CSE
14.	Director, IQAC	Dr. G.K. Viswanath, I/c.	Sr. Prof. of CE
15.	Director, UAA	Dr. J. Suresh Kumar	Sr. Prof. of ME
16.	Principal, JNTUH UCESTH	Dr. A. Jaya Laxmi	Prof. of EEE
17.	Principal, UCMH	Dr. Sindhu	Prof. of Mgmt. Studies
18.	Principal, JNTUH UCEJ	Dr. D. Ramesh	Prof. of CSE
19.	Principal, JNTUH UCEM	Dr. B. Vishnu Vardhan	Sr. Prof. of CSE
20.	Principal, JNTUH UCES	Dr. G. Narsimha	Prof. of CSE
21.	Principal, JNTUH UCPSS	Dr. M. Ajitha	Prof. of Pharmacy
22.	Principal, JNTUH UCER	Dr. K. Vijaya Kumar	Prof. of Physics
23.	Principal, JNTUH UCEW	Dr. M. Indira Rani	Prof. of ME

Deputy Directors

S. No.	Posting	Name	Designation
1.	Dy. Dir. Acad. & Plg.	Dr. P. Swetha	Prof. of CSE
2.	Dy. Dir. UAAC	Dr. B. Ravindra Reddy	Prof. of Mathematics
3.	Dy. Dir. R&D Cell	Dr. T. Sreekanth	Prof. of Physics
4.	Dy. Dir. BICS	Dr. P. Srilakshmi	Prof. of CE
5.	Dy. Dir. Admissions	Dr. E. Ramjee	Prof. of ME
6.	Dy. Dir. SCDE	Dr. M. Dhanalakshmi	Prof. of CSE
7.	Dy. Dir. UGC-HRDC	Dr. N. Venkata Ramana	Sr. Prof. of EEE
8.	Dy. Dir. UIIC	Dr. J. Suresh Kumar	Sr. Prof. of ME

In addition to this, the following are working in administrative positions:

S. No.	Name	Designation
1.	Dr. M. Surender	Finance Officer
2.	Smt. Ch. Aruna	Joint Registrar, JNTUH UCESTH
3.	Sri V. Madhava Reddy	Joint Registrar, JNTUH UCESTH
4.	Smt. J. Sudha Madhuri	Joint Registrar, Academic & Planning

3.0 FINANCIAL ASSISTANCE TO THE UNIVERSITY

- Telangana Government provided grant-in-aid of **Rs.16.58Lakh** towards salaries during January 2022 to March 2023.
- Various Central level organizations like **UGC/AICTE/DST/DRDO /CSIR/ ISRO** sanctioned **Rs. 13.72. Crores** towards research projects.

3.1 Research Projects Sanctioned

New research projects worth more than **Rs. 1.20 Crores** got sanctioned by various central and state level funding agencies for various faculty members of University colleges. The details of projects are summarized below:

3.1.1 JNTUH University College of Engineering, Science & Technology, Hyderabad

S. No.	Dept.	Principal Investigator(s) & Designation	Details of the Project	Duration	Sanctioned Agency	Total Sanctioned Amount (Rs. in Lakhs)
1.	CBT	Prof. Archana Giri, Professor	UGC-BSR Mid-Career Award Grant	2021-2023	UGC	10.00
2.	CEN	Dr. Ch. Sasikala, Senior Professor	Isolation and Polyphasic Characterization, including Genome Studies of Probiotic Bacteria	2022-2023	Vickro Biopharma	27.22
3.			Isolation and identification of pigmented bacteria from diverse habitats of India	2022-2024	Sanzyme Biologics	3.60
4.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Development of Green Hybrid Nano Generator for Energy Harvesting using Novel Nano Composite Material	2022-2025	AICTE-RPS	21.30
5.			Analysis of Structure-Property Relationship in Ultra-Wide Band Gap Semiconductor Ga ₂ O ₃ for Functional Device Applications	2023-2026	DST-CRG	58.11
Total						120.23

3.2 Ongoing Research Projects

Research Projects worth **Rs.12.92 Crores** are being carried out by various faculty members of University colleges. The details are given below:

3.2.1 JNTUH University College of Engineering, Science & Technology, Hyderabad

S. No.	Dept.	Principal Investigator(s) & Designation	Details of the Project	Durat ion	Sanctioned Agency	Total Sancti oned Amount (Rs. in Lakhs)
1.	CE	Dr. V. Padmavathi, Professor (Mentor)	Study of stability and Settlement of Reinforced Embankment on Soft ground with Stage Construction - Experimental and Numerical Study	2021-2024	Women Scientist Scheme -A (WOS-A)	30.00
2.		Dr. B. Siva Konda Reddy, Professor	Behaviour of Microstructure of Interfacial Transition Zone of High-Performance Concrete	2019-2022	NPIU	21.33
3.			Influence of Varying Magnetic Field Strength on the Hydration Properties of Cement Paste	2021-2022	TEQIP-III CoE	5.60
4.	ECE	Dr. D. Srinivasa Rao, Sr. Professor & Director, UAAC	Improving Crop Productivity by Monitoring Pest, Disease and Meteorological Disaster using IoTs	2020-2023	CSIR - HRDC	20.0
5.		Dr. M. Asha Rani, Senior Professor	Technology Business Incubator	2020-2025	DST	670.00
6.		Dr. K. Anitha Sheela, Professor	Design and implementation of Sign Language Translator (Sign Xter) using Hierarchical LSTMs	2020-2023	AICTE RPS	12.54
7.	CSE	Dr. A. Govardhan, Senior Professor & Rector	Information Security Education and Awareness (ISEA) Phase II	2015-2020	MEITY, Govt. of India	108.00
8.	CBT	Dr. A. Uma, Associate Professor	Membrane based pilot scale preparation of sorghum syrup and its evaluation for antidiabetic, anti-cancerous and anti-aging effects	2019-2022	AICTE (RPS)	10.00
9.	CEN	Dr. Ch. Sasikala, Senior Professor	Metagenomic analysis of environmental samples for detection of SARS-CoV-2 and epidemiological surveillance (part of the collaborative project, Genomic sequencing of SARS-CoV-2 and studies on	2021-2023	DST (BRICS) Multilateral Project	59.65

			the epidemiology and mathematical modelling of the COVID-19 pandemic by proposed with Yuhua Xin as coordinator)			
10.		Dr. V. Himabindu Professor & Head	Hazardous/ Municipal Solid Waste (MSW) land fill leachate treatment using Advanced Oxidation Process (AOP's) coupled with Electro chemical-biological techniques	2020-2023	DST	59.28
11.		Dr. V. Himabindu, Professor/ Dr. D. Bhagawan, UGC-PDF	Treatment of wastewater using movable electro-chemical reactor	2021-2022	MSME	19.80
12.	CNST	Dr. K. Venkateswara Rao, Professor & Director of Evaluation	Hybrid Nano-structures based chemo-resistive gas sensing as a biomarker for Human exhaled breath	2020-2023	AICTE RPS	22.26
13.			Modernization of Characterization lab in analytical chemistry for separating and analysing compounds a sample for gas detection	2020-2022	AICTE - MODRO BS	86.27
14.			High sensitive acetone biomarker for the point of care diagnosis of Diabetic mellitus based MXenes/ Metal oxide nanocomposites	2020-2023	DST-SERB	26.15
15.		Dr. Ch. Shilpa Chakra, Assistant Professor & Head	A new archetype for development of Flexible Nano-Hybrid Super-capacitor for large scale electric energy storage with high performance	2020-2023	DST SERB Core Funded	41.84
16.			Sophisticated Flexible Supercapacitor for High Energy Storage application based on Nanomaterials	2020-2023	DST-SEED	44.07
17.			Chemical and Electrochemical Synthesis of Metals, Polymers, Metal-Polymer Nanocomposites using Liquid-Liquid	2020-2023	DST-(WOS-A)	34.00
18.			CPS	Dr. M. Ajitha, Professor & Principal, JNTUH UCPSS	AITCE- Research Promotion Scheme entitled "Eco-Friendly Green synthesis and development of New HDAC inhibitors as Anti-Cancer agents"	2020-2023
19.	CWR	Dr. M.V.S.S. Giridhar, Professor, Head	Advanced Remote Sensing Techniques to study the impact of fluoride on paddy cultivation	2022-2023	TSCOST	4.00

		& BoS Chairman	due to Ground water irrigation			
20.			Constructed Wetland for Treatment of Domestic Sewage	2022-2023	CPHEEO, Govt. of India	3.00
Total						1292.79

4.0 PROGRAMS ACCREDITED BY NATIONAL BOARD OF ACCREDITATION(NBA)

6 UG programs and 13 PG programs offered by JNTUH UCESTH, 3 UG programs offered by JNTUH UCEJ were accredited by NBA and this year various departments of University colleges are in the process of applying for renewal of NBA accreditation.

Autonomous Status has been granted to 49 affiliated colleges of JNTUH, 66 affiliated colleges are accredited by NAAC and 66 affiliated colleges are NBA accredited for various courses.

On the basis of the facts and findings mentioned above, a brief report on the academic and infrastructural development activities and achievements of this University is presented since the last convocation.

5.0 ACADEMIC ACTIVITIES

5.1 Developments on the Academic Front

The Directorate of Academic and Planning is headed by the Director, assisted by a Deputy Director, Joint Registrar, Assistant Registrar and other Staff. It looks after Academic and Planning works of the University which include preparation of Academic Calendars, constitution of Boards of Studies Committees in various disciplines, conduct of BoS Meetings, Revision of Curricula, Syllabi and Academic Regulations from time to time for UG, PG and Research Programs. In addition, it also looks after Academic Programs of colleges affiliated to JNTUH, and correspondence with MHRD, UGC, AICTE, PCI, DST and other funding agencies for recognition of UG and PG programs, scholarships, projects, funds and grants.

This Directorate is responsible for initiating, executing and monitoring of

Memoranda of Understanding (MoU) with National and International Universities, Institutions, Industries and other Private Organizations.

Other responsibilities include the following:

- i. Conduct of University Purchase Committee meetings to finalize the decision to purchase the Equipment for University Colleges/Units of the University.
- ii. Permission to start new Courses/Centers/Units/University Colleges.
- iii. Forwarding the proposals of Affiliated Colleges with recommendations to the UGC for grant of 2(f) & 12(B) Status and Autonomous Status.
- iv. Constitution of Academic Council/Governing Body members to Autonomous Colleges.
- v. Conduct of Academic Senate meetings.

5.1.1 Memoranda of Understanding (MOU)

The University has signed a total of **32** MoUs (**4** International; **28** National) with Academic Institutions/Industries for mutual co-operation in many areas, such as:

- Integrated Double Degree Master’s Program.
- International Integrated Double Degree Master’s Program.
- International Engineering Programmes (BS & MS).
- Students and Staff Exchange Program etc.
- Job-Oriented Courses.
- Research Activities.

5.1.2 New MoUs with International Organizations /Private Organizations/ Institutions/Industries

S. No.	Name of the Organization	Collaborative Activities
1.	Lawrence Technological University (LTU), Southfield, Michigan, USA.	Student exchange can be in the areas of internship, research, Post-Doctoral activities or even starting new course for UG/PG/ Ph.D students of mutual interested areas.
2.	Western Sydney University, Australia.	To explore the feasibility of collaborative activities.
3.	CR Rao Advanced Institute of	B.Tech. – Computer Science and Engineering

	Mathematics, Statistics and Computer Science (AIMSCS), Hyderabad.	(Data Science) programme.
4.	Indian Institute of Packaging (IIP), Hyderabad.	To offer 2-Year M. S. in Packaging Technology (PT) programme.
5.	CSIR-Institute of Minerals & Materials Technology (IMMT) - InTEC, Bhubaneswar.	To promote collaborative research and exchange of knowledge, technical knowhow and mentoring between the two institutions in areas of mutual interest.
6.	Aurobindo Pharma Foundation Skill Development Center, Hyderabad.	To provide free training program with stipend to students.
7.	Rajiv Gandhi University of Knowledge Technologies (RGUKT), Basara, Nirmal District, Telangana.	To provide guidance for preparation of consolidated programmes in the sphere of Higher Education at GRUKT, Basar and to evolve perspective plans for Internationalization of Higher Education in the state.
8.	Siddhesh Edutech Private Limited (SEPL), Lal Bahadur Shastri Lane, Kolkota.	For offering the Up-skilling Programme on IOT Technologies for the SC & ST Community Students for free of cost
9.	Indian Council for Cultural Relations (ICCR), Ministry of External Affairs, Government of India.	For scholarship schemes for higher education of foreign students in empanelled Indian Universities / Institutes.

5.1.3 Existing MoUs with International Organizations/Institutes

S. No.	Name of the Organization	Collaborative Courses Offered
1.	Central Michigan University, USA	2-Year MBA Program
2.	Blekinge Institute of Technology (BTH), Sweden	B.Tech. & M. Tech. / M. Sc. 5-Year Integrated Double Degree Masters' Programs (IDDMP) to study in JNTUH and BTH in the faculties of ME, ECE and CSE.
3.	Asian Institute of Technology (AIT), Bangkok, Thailand	B.Tech. and M.E for 5-Year International Integrated Double Degree Masters' programs (IIDDMP) to study in JNTUH, and AIT in the faculties of CE, CSE, ECE, EEE and ME.
4.	SRIIT, Hyderabad A tripartite agreement among University of Massachusetts, JNTUH and SRIIT	5-Year Global Integrated Engineering Programmes (BS & MS) degrees in ECE, CSE & IT

5.1.4 Existing MoUs with National Public and Private Organizations/Institutions/ Industries

1.	National Institute of Tourism and Hospitality Management (NITHM), Hyderabad.	Two-Year MBA and Four-Year BBA in Tourism & Hospitality.
2.	Telangana State Aviation Academy (TSAA), Hyderabad.	Five-Year Integrated Course in M.Sc. (Aviation) with specializations Mechanical/ Avionics (Ground Duty Stream).
3.	M/s. Veda Institute of Information Technology Pvt. Ltd., Hyderabad.	1. Two-Year MS Program in VLSI Engineering. 2. Industry Ready Professional Training in VLSI Design/ Embedded System Design for B.Tech. IV Year Students.
4.	National Academy of Construction (NAC), Hyderabad.	One-Year PG Diploma in i) Construction Project Management (PGDCPM), ii) Quantity Surveying & Contracts Management (PGDQSCM)
5.	Military College of Electronics and Mechanical Engineering (MCEME), Secunderabad.	Two-Year M.Tech. in i) Computer Science & Engineering, ii) Aeronautical Engineering.
6.	Administrative Staff College of India (ASCI), Hyderabad	To offer Ph.D. program in Management

5.1.5 MoUs for purpose of Placements, Training Programs and Research Activities

S. No.	Name of the Organization	Collaborative Activities
1.	All India Council for Technical Education, New Delhi	AICTE-JNTUH training programs for faculty members to prepare them for being successful in a knowledge-driven society.
2.	Telangana State Forensic Sciences Laboratories, Hyderabad	TSFSL has established Cyber Forensic Lab for uniform delivery of scientific services and to support the Investigating officers for handling investigation and prosecution of cases in the field of Cybercrime and related aspects.
3.	M/s. Singareni Collieries Company Ltd., Hyderabad.	SCCL will extend financial assistance not exceeding Rs. 20.00 Crores in a phased manner of 3 year commencing from 2010-11 depending upon the progress of work and establishment of the proposed college.
4.	Confederation of Indian Industry, Hyderabad	The objective of the MoU is to create an IP ecosystem at J-HUB. It includes supporting student and faculty innovations by way of creating awareness, counselling, search and filing of IPR.
5.	The National Small Industries Corporation Ltd, Technical Services Centre, Hyderabad, Telangana	To impart Industry Centric, Demand Oriented Training for Skill / Entrepreneurship Development to Address the Demand of Skilled Manpower in the

		Industry.
6.	Neuheit Pharma Technologies Private Limited, Hyderabad.	Business Manufacturing, Skill Development, Education and R&D Services in the fields like: Solid/Liquid Oral Formulations, Oncology and High Potent Injectables and Platform Technologies.
7.	CSIR - National Environmental Engg. Research Institute, Nagpur	CSIR-NEERI and JNTUH will undertake joint research work in the areas of mutual interest.
8.	Environment Protection Training Research Institute (EPTRI), Hyderabad	A joint collaborative program of Education, Research, Training in the field of Environment and allied subjects.
9.	T-Hub, Information Technology, Electronics & Communications Dept., Govt. of Telangana, Photonics Valley Corporation, Information Technology, Electronics & Communications Dept., Govt. of Telangana and J-Hub of JNTUH.	To implement VLSI Incubation program
10.	Centre for Materials of Electronics Technology (C-MET), Hyderabad	To promote Academic and Research Co-operation
11.	Commissionerate of Technical & General Education, Government of Telangana, JNTUH and Coursera, Inc	For campus online learning offering courses
12.	National Association of Software and Service Companies, (NASSCOM), Noida, UP	For training programs in the emerging technologies for the candidates /students & faculty staff of JNTUH.
13.	Association of Lady Entrepreneurs of India, Hyderabad.	Jointly organize awareness generation events on Entrepreneurship Development and Startup Hackathons, Workshops and Student Startup Training Programs

Industry-Oriented Curriculum

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.

Joint Boards of Studies (BOS) Meetings were conducted in May 2022 to revise the UG and PG syllabus. BOS meetings were conducted in January 2023 to frame the syllabus of newly approved B.Tech. Courses Pharmaceutical Engineering and Biotechnology. R22 B.Tech. Academic Regulations were framed in line with National Education Policy 2020. Salient Features of New Curriculum:

1. Registration of Academic Bank of Credits and Transfer of Credits.
2. Implementation of Multiple Entry Multiple Exit Scheme.
3. More weightage (40% of the total marks) and emphasis on Continuous Internal Evaluation.
4. Award of 2-Year UG Diploma Certificate/3-Year UG Diploma Certificate for interested students from AY 2022-23.
5. Inclusion of Field Based Research Project in B.Tech. II Year.
6. Skill Enhancement Courses are added to the curriculum in view of making the students more employable.
7. Provision to enroll for Second Degree - BBA (DA).

The following members of the faculty are the Chairpersons of respective Boards of Studies, with the Director of Academic and Planning as the Convener:

S.No.	Board	Name of the Chairperson
1.	Civil Engineering	Dr. P. Sravana, Professor
2.	Electrical & Electronics Engg.	Dr. A. Raghu Ram, Professor
3.	Mechanical Engineering	Dr. S. Naga Sarada, Professor
4.	Electronics & Comm. Engg.	Dr. T. Satya Savithri, Professor
5.	Computer Science & Engg.	Dr. V. Kamakshi Prasad, Sr. Professor
6.	Metallurgical & Materials Tech./Mining Engg.	Dr. K. Srinivasa Vadayar, Professor
7.	Chemical Engineering	Director, Academic & Planning
8.	Textile Engineering	Director, Academic & Planning

9.	Biotechnology	Dr. A. Uma, Assoc. Professor
10.	Mathematics	Dr. B. Ravindra Reddy, Professor
11.	Physics	Dr. T. Sreekanth, Professor
12.	Chemistry	Dr. B. Rama Devi, Professor
13.	English	Dr. V. Parvathi, Professor
14.	Management Sciences	Dr. Sindhu, Professor
15.	Pharmacy	Dr.S. Shobha Rani, Professor
16.	Environmental Sciences	Dr. T.Vijaya Lakshmi, Associate Professor
17.	Water Resources	Dr. M.V.S.S. Giridhar, Professor
18.	Nano Science and Technology	Dr. K. Venkateswara Rao, Professor

5.2 Reforms in Examination System and Evaluation

The Directorate of Evaluation of JNTUH has been conducting the examinations smoothly and evaluating the answer scripts of more than **3.00Lakhs** students per semester with utmost care, commitment, and transparency.

- **Monitoring of all affiliated autonomous colleges examination processes**

Entire examination process of all the Affiliated Autonomous Colleges is being closely monitored. The entire process of examinations has been streamlined with necessary approvals from time to time. A workshop on “Results Processing - Affiliated Autonomous Engineering Colleges of JNTUH, Hyderabad” was conducted on 9th February 2023 for smooth processing of the results.

Degrees Awarded

A total of **92,005** degrees (**84,578** Undergraduate, **5,737** Postgraduate, **1,189** Doctor of Pharmacy, **149** Doctor of Philosophy and **352** other) and **46** Gold Medals are being awarded in this XI Convocation for the academic year 2021-22. The details are as follows:

Honorary Doctorate (Honoris Causa)		01
Ph.D. Degrees		149
M.S. Degree		01
Postgraduate Degrees		5,737
Undergraduate Degrees		84,578
MoU Courses Degrees		350
PG Diploma		01
Pharma.D.		1,189
Gold Medals		46
For the toppers of University Colleges	14	
Endowment Gold Medals	22	

On behalf of the University, I offer my heartiest congratulations to the recipients of Gold Medals, the graduating students and their proud parents, families and friends.

5.3 Affiliation Process

The University is accountable to the society in maintaining high academic standards in its University and Affiliated Colleges. In order to improve the quality of Technical Education, JNTUH has developed a clear and transparent method of Affiliation Procedure, and implemented it through online. A separate portal has been launched in public domain for updating information of all the affiliated colleges from time to time, which is authenticated by the Director, Academic Audit Cell of the University.

During every Academic Year, the University Academic Audit Cell of JNTUH constitutes Fact Finding Committees (FFCs) and deposes them to the colleges to assess the status of Faculty, Staff, Library, Laboratories, Building Space, Infrastructure, and other facilities. Based on the FFC Reports, the University identifies eligible colleges along with their courses and intake, and accordingly affiliation letters are issued to the colleges.

The Academic Audit Cell conducts meetings of all the Managements/ Directors / Principals of all colleges affiliated to JNTUH in every academic year.

The following are the prime objectives of Academic Audit Cell:

- To review Academic Progress of the previous Academic Year and the Affiliation Procedure and Regulations.
- Issue of NOC Certificate for Introduction of New Courses / Increase in Intake / Reduction in Intake / Closure of Course(s) / Closure of Institution(s) etc.
- To bring awareness about the need of Principals/Faculty selection as per UGC, AICTE & JNTUH norms.

- Conducting Principals/Faculty Selections as per UGC, AICTE & JNTUH norms.
- To nominate Governing Body Members & Grievance Redressal Committee Members to the Affiliated Colleges.
- Grant of Affiliation to Affiliated colleges.
- Confirmation of Epass Scholarships.
- Permission to run Campus attached hostels in affiliated Colleges of JNTUH.
- Attending and resolving to any complaints received against Affiliated Colleges.
- To take necessary steps to prevent the menace of ragging in the institutions in general, and boys and girls hostels, in particular.

Implementation of ABAS (Aadhaar Based Bio-metric Attendance System) for UG Students is introduced in the Affiliation Process for the year 2022-23: The quality of education can be ensured by enforcing the physical presence of the faculty, staff and students in the college campus during working hours, through implementation of GPS based Aadhaar Biometric Attendance System.

In order to have the ease of access to regulate all the affiliated colleges, the University has proposed Aadhaar based biometric attendance system for faculty, staff and students of all the colleges (both University and Affiliated), which is a unique attempt in the country among all affiliating Universities. To begin with, the ABAS was implemented for faculty and PG Students of all colleges under JNTUH from March, 2017 and is found successful. The University is implementing the Aadhaar based Biometric Attendance System (ABAS) for UG students also in both Affiliated Colleges and University Colleges from the Academic Year 2022-23.

5.4 Admission of Foreign Students

At present, the University has more than **187** Foreign National students from **27** countries pursuing B.Tech., Integrated Dual Degree Programs, M.Tech., M.Sc., MCA, MBA, and Ph.D. programs in various disciplines of Engineering & Technology, Sciences and Management.

Directorate of University Foreign Relations organizes visits to various countries to achieve the following objectives:

- To promote collaborations among the Universities and to establish effective partnerships through meetings with the officials concerned.
- To explore the possibilities of cooperation with other universities across the globe. Such co-operation will be useful to our university for exchange programs, exchange of members of the faculty and in particular, to increase the revenue of the university by attracting the students under Foreign Student Category.
- To interact with academicians from various Schools/Universities.
- To assess their areas of strength and identify the common areas in which one could undertake research and Postgraduate programs.

6.0 INNOVATIVE ACTIVITIES AT JNTUH INNOVATION HUB (J-HUB)

The JNTUH -Innovation Hub (J-Hub) is a University Wide Innovation Initiative that fosters the culture of Innovation and empowers creative graduating engineers, to pursue innovation, applied research and knowledge intensive tech-startup incubation. The Innovation Hub offers access to its stakeholders, a spectrum of programs, experts, labs, collaborators, networks and spaces to catalyze innovation, knowledge intensive businesses and tech-enterprises and concurrently equips the graduates with skills to compete for and succeed in high demand jobs.

The number of J Labs in University and affiliated colleges to seed in the culture of Innovation and Entrepreneurship has been increased from 75 to 92 in this academic year 2022-23. The infrastructural facilities have been stepped up this year with a 250-capacity event hall, 70 capacity incubation space and state of art AI computing facility.

6.1 Programs Executed

6.1.1 WeSTART Innovation Challenge

A 3-month mini cohort program launched as part of the International Women's Day on 8th March 2022 jointly by Atal Incubation Centre ALEAP WEHUB and J-HUB, JNTUH.

6.1.2 J-HUB Hackathon League (Regional Level)

J-HUB Innovation challenge (online bootcamp) is conducted to inspire and identify innovative ideas of students across the state. J-HUB Hackathon League (Regional Level) conducted in the following 11 regions during April 2022 to July 2022.

S. No.	Name of the Host College	Date
1.	Khammam Institute of Technology & Sciences	29-30, April 2022
2.	Vidya Jyothi Institute of Technology	03-04, June 2022
3.	CVR College of Engineering	03-04, June 2022
4.	Indur Institute of Engineering and Technology	10-11, June 2022
5.	Geethanjali College of Engineering and Technology	11-12, June 2022
6.	ACE Engineering College	17-18, June 2022
7.	Vignana Bharathi Institute of Technology	20-21, June 2022
8.	Sree Visvesvaraya Institute of Technology & Science	23-24, June 2022
9.	Vaagdevi Engineering College & Vaagdevi College of Engineering	24-25, June 2022
10.	Kodada Institute of Technology and Science for Women, Kodada	24-25, June 2022
11.	JNTUH University College of Engineering Jagtial	01-02, July 2022

6.1.3 Idea Accelerator Program (IAP) 2023

Idea Accelerator Program (IAP) 2023 has been launched on 21st January, 2023 to help students with ideas and valid prototypes build startup. The following is the list of TEAM/IDEAS admitted:

Sl. No.	Name of the Idea	Name of the Team Member_1	Name of the College
1.	Aqua Genesis	Mr. Mucharla Minish Kumar	JNTUH UCE Jagtial
2.	Text Driven Sentiment Analysis of Product Reviews using ML and NLP Techniques	Mr. P.Krishna Vamsi	JNTUH UCE Sultanpur
3.	Fabrication Of Hydroxy Fuel Vehicle	Mr. Bireddy Varshith Reddy	
4.	Self-charging of Electric bicycle	Mr. Ch. Rithwik	
5.	Automated emergency braking system	Ms. K.Sindhu	
6.	HEXA_CRUS "A six-legged multifunctional robot"	Mr. GVH Vikhyath	
7.	Low-cost refrigeration using LPG and water	Mr. R. Varun Babu	

8.	Fabrication of Underwater ROV from Scratch	Ms. Dhondi Navya	
9.	Volume detector (Accessible lab device for visually impaired students)	Ms. Y.Vijitha	BVRIT College of Engg. for Women
10.	CVR INFO	Ms. Prabugari Sanjana	CVR College of Engineering
11.	O-RIOUS	Ms. G.Sanjana Reddy	
12.	Digital Wall of Kindness	Mr. Aditya raj	CMR Engineering College
13.	Architecture Model of a bus stop with Automatic Sunshade	Ms. Y.Venkata Sravya	Geethanjali College of Engineering and Technology
14.	Job Scope Portal	Mr. Bindesh Yadav	
15.	P - Track (plastic tracker)	Mr. Mohd. Abid Hussain	
16.	VAANI (Voice Abstraction And Interaction)	Mr. V.K. Naga Sai Srirangam	
17.	PURUS (Upcycled carbon products)	Mr. A. Harshith Sai	
18.	Unbio smart Dustbin	Mr. N.S. Praneeth	
19.	Project Diab	Ms. Harshita Konda	
20.	Credit Card Fraud Detection System	Ms. Ambajipeta Nandini	Gokaraju Rangaraju Institute of Engineering and Technology
21.	Website for Affordable Artificial Limbs	Ms. Damera Tanusha	
22.	Quick Leave	Mr. V. Uday Reddy	
23.	AR Fashion try-on	Ms. Meghana Karanam	
24.	Hydrotronics	Mr. Ganesh Chand	
25.	SMUT-Reducing Emissions from Heavy-Duty Vehicles	Mr. Katkam Akash	Institute of Aeronautical Engineering
26.	Myspaceboard	Mr. B. Chandra Raj	
27.	FACE / OTP Authenticated Website Login	Ms. A. Maneesha	
28.	AgroDroid	Mr. Vuppu Mahesh	
29.	KarsaOrder	Mr. Tahseen Muzzafar	
30.	Glue with Glee	Mr. V. Hrishikesh	
31.	Auto ON-OFF Switch.	Mr. Mohd. Arshad Ayub	
32.	Automatic Vehicle Indicators Using Arduino Uno	Mr. Keetha Vikas	
33.	LPG Auto Pilot	Mr. Gurrām Ankit	
34.	Fairs Market	Mr. Sai Teja Palle	
35.	Auto Share	Mr. Ahmed	
36.	One Day Job	Mohiuddin Munawari	
37.	Tongue Controlled Drive System	Mr. Vasam Sahith	KG Reddy College of Engineering and Technology
38.	True Seed Picker	Mr. Bolloju yathindra	
39.	MPPT Based Hybrid Energy Conversion System	Mr. Ameda Manikanth	
40.	Multi powered E- bicycle for last mile connectivity	Mr. Syed Idris	
41.	Biometric access to control system for vehicles safety	Ms. R. Vara Lakshmi, Mr. L.KalyaniMalik, Mr. Abhishek K. Srikanth	
42.	Smart Helmet (Viligant)	Ms. D. Likhitha	Malla Reddy Engineering College for Women
43.	Forest Protection System Using GPS & GSM	Ms. Dharni Tejaswini	
44.	Plant Disease Detection through ML	Ms. Ch. Shreshtha	
45.	Smart Indicators	Ms. V. Meghana	

46.	Smart Gas Knob for Modern Kitchen	Ms. D. Prathima		
47.	Question Paper Leakage Detector	Ms. K. Bala Sangeetha		
48.	Advance Surveillance Robot under IOT	Ms. Vempati Bhargavi		
49.	Digital Security System	Ms. K. Ritwika		
50.	ARGUS-EYED	Ms. Allola Srihitha		
51.	Spotting Skin Cancer Using CNN	Ms. Garipelly Sahruthi		
52.	Assisted care for elderly people using machine learning	Ms. P. Harshitha Chowdary		
53.	Intrusion Alert System	Ms. A. Jahnavi Latha		
54.	IOT based patient monitoring system	Ms. P. Navyasree		
55.	Smart Tracker For mid-day Meals	Ms. D. Neharika		
56.	Portable Kashaya Making Machine	Ms. N. Suchitha		
57.	Non-Invasive Glucometer	Ms. Shreeya. P		
58.	Ghat Roads Detection System	Ms. N. Sree Harshitha		
59.	Crop Prediction Using Machine Learning Approach	Ms. M. Srinija Reddy		
60.	Hybrid power Generation in forest for wildlife	Ms. Alakuntla Archana		Priyadarshini institute of science and technology for women
61.	Naturepedic Pillow	Ms. H. Uday Sri		
62.	Gsm Based Coal Mine Safety Monitoring System Using Arduino	Ms. Janani Danduboina		
63.	Real Time Object Detection with Voice Output	Ms. D. Sri Sravya		
64.	Traffic sign-based vehicle speed control system	Ms. Ch. Sravani		
65.	Dashboards With Power BI	Ms. Alladi Varsha		
66.	Design of Alert System for fault and Line Breaking at Distribution Transformers in Remote Areas	Ms. Satyavathi Naidu		
67.	Smart system for negotiable instrument	Ms. Kavya Ammati		
68.	A variable medical watch	Ms. Teja sri pakala		
69.	Weed Removing Machines by Remote Operation	Ms. Puli Ushasri		
70.	AI Assistant	Mr. Nenavath Sunil	Vidya Jyothi Institute of Technology	
71.	Coin based mobile charger	Mr. K. Sachin Reddy		
72.	Home automation using flexors	Ms. Bulusu Naga Harika		
73.	Automatic Seed Sowing Machine	Mr. E. Harshavardhan		
74.	Post COVID 19 syndromes recognition using Deep learning algorithms	Mr. Kanapuram Rahul Reddy		
75.	Fall Detection and Patient Monitoring System	Mr. Kattela Sai Krishna		
76.	Azolla Plants Protection Advisor with a multimodal sensor, mobile application, and embedded machine learning	Mr. Kurva Prashanth		
77.	Development of CANSAT for Air Quality Monitoring	Ms. R. Lakshya		
78.	IR Equipped PC Remote Control	Mr. S.R. Kiran Reddy		
79.	IoT and Blynk App Based Drainage Monitoring System	Ms. Boreddy Arthi Reddy		
80.	Servcare	Ms. Ch. Mounika		
81.	Agrow	Mr. K. Sanjeev		
82.	Vaidya Patrabhuta	Mr. Akshith Danam		Vaagdevi College of Engineering
83.	Advanced power saving technology by controlling loads automatically	Mr. K. Yagneswar Janardhan		

84.	Stabilization Of Problematic Soil Using Repurposed Rayon Fabric Composite System	Mr. G. Nikesh	St. Martin's Engineering College	
85.	Detection of marine litter using Artificial Intelligence	Mr. D. Sai Santosh		
86.	Novel Design of Bubble Deck Slab Slab	Ms. Anugu Kalyani		
87.	Structural design of slab using etabs	Mr. P. Saipranay		
88.	Floating concrete by using thermocol chunks	Mr. K. Saikrishna		
89.	Telecommunication frauds	Ms. D. Sri Gouthami		
90.	Micro structural study on hydration process of self-compacting concrete by adding mineral admixtures, exposed to acid environment	Mr. Naveen		
91.	Use of Geosynthetics in road construction	Ms. M. Vaishnavi		
92.	The implementation of custard apple seed shell as a partial replacement of cement in concrete	Ms. Vanjari Rithika		
93.	Light Weight Concrete	Ms. N. Durgabhavani		
94.	Hoverboard type Forklift	Mr. Ch. Pranay		
95.	Learnyte.com	Mr. N. Lokeshwar Reddy		Swami Vivekananda Inst. of Technology

6.2 Memorandum of Understanding (MoU)

An MoU was exchanged between IIT Tirupati Innovation Hub Navavishkar and JHUB, JNTUH to collaborate on Research Development, Innovation and startup incubation focused on Precision and Positioning Systems.

7.0 ACADEMIC DISTINCTIONS/ AWARDS RECEIVED BY MEMBERS OF THE FACULTY

Many faculty members won prestigious awards at International, National and State levels. The details are as follows:

JNTUH University College of Engineering, Science and Technology, Hyderabad

S.No.	Dept.	Name of the faculty member & Designation	Award, Fellowship/Membership received	National / Intl.	Awarding agency	Received Date & Year
1.	EEE	Dr. A. Jaya Laxmi, Professor & Principal	AICTE Lilavati Award	National	All India Council of Technical Education	8 th March 2022
2.			State Award for Meritorious Teachers	State	Department of Higher Education, Govt. of Telangana	5 th Sept. 2022

3.	ECE	Dr. K. Anitha Sheela, Professor	Best Engineering Teacher Award	National	The Institution of Engineers (India)	5 th Sept. 2022
4.	CSE	Dr. A. Govardhan, Senior Professor & Rector	ELSEVIER Lifetime Achievement Award for the Year 2022	National	IJIEMR-ELSEVIER SSRN Research Awards	----
5.			Lifetime Achievement Award (Bharat Education Excellence Award) for the year 2022	National	Brain O Vision Solutions India Pvt. Ltd.	----
6.	IT	Dr. K. Santhi Sree, Professor of CSE & Head	Award for Excellence in Research	National	Record Owner	Jan. 2023
7.	Chemistry	Dr. B. Rama Devi, Professor, Head & BOS Chair	State Award for Meritorious Teachers	State	Department of Higher Education, Govt. of TS.	5 th Sept. 2022
8.	CEN	Dr. Ch. Sasikala, Senior Professor	Fellow Award of the Biotech Research Society, India	National	Biotech Research Society, India	17 th Oct. 2022
9.			E. K. Janaki Ammal National Award on Microbial Taxonomy	National	Ministry of Env. Forest and Climate Change, Govt. of India	1 st July 2022
10.	CNST	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	Fellow of LSF-Asian Record Book in the areas of Science & Technology	National	Lee Shreyus Foundation	Dec. 2021
11.			Vivekananda Prize Award	National	Institute of Researchers	27 th
12.			Young Researcher Award	National	Institute of Researchers	Aug. 2022
13.	CPS	Dr. M. Sunitha Reddy, Professor & Head	Best Teacher Award	National	Pharmacy Council	5 th Sept. 2022
14.			Associate Fellow	National	Telangana Academy of Sciences	30 th April 2022
15.	CWR	Dr.	Telangana Water	National	Telangana	27 th

		M.V.S.S. Giridhar, Professor & Head	Conservation Award - 2021		Water Resources Development Corporation	Feb. 2021
16.			Best Engineer Teacher Award	National	Institute of Engineers India	5 th Sept. 2022
17.			STE Water Award	National	Save The Environment (STE)	12 th Jan. 2023

JNTUH University College of Engineering Jagtial

1.	EEE	Sri. S. Jagadish Kumar, Asst. Professor	APJ Abdul Kalam Lifetime Achievement National Award	National	National Institute for Socio Economic Development	Oct. 2021
2.	CSE	Dr. S. Viswanadha Raju, Senior Professor	SPOC for SWAYAM-NPTEL Local Chapter	National	SWAYAM-NPTEL	2021
3.	CSE		International Scientist Award on Engineering, Science and Medicine	International	VDGOOD Platform	2021
4.	CSE		Bhishma Acharya Award	National	Brainovision Hyderabad	4 th Dec. 2022

JNTUH University College of Engineering Sultanpur

1.	ME	Dr. M. Shailaja, Professor	Certificate of Appreciation	National	NPTEL - SWAYAM	April 2022
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JNTUH University College of Management Hyderabad

1.	UCMH	Dr. Sindhu Professor & Principal	IEOM Woman in Industry and Academia Award	International	IEOM Society International, Michigan, USA	Aug. 2022
2.			CMI Level 5 Award in Management and Leadership	International	Chartered Management Institute of UK	Dec. 2022

7.1 Prestigious Assignments

The State Government and various other organizations have entrusted the University with various prestigious assignments. The details are given below:

JNTUH University College of Engineering, Science and Technology, Hyderabad

S.No.	Dept.	Name of the faculty member & Designation	Prestigious Assignment	Received from	Duration
1.	CE	Dr. S. Srinivasulu, Professor	Member, State Committee on Dam Safety	Irrigation and CAD Centre, Govt. of Telangana	2022-2024
2.	ME	Dr. B. Anjaneya Prasad, Professor	Vice-Chancellor, Dr. YSR Architecture and Fine Arts University	APCHE, Govt. of Andhra Pradesh	2023-2026
3.	ECE	Dr. M. Madhavi Latha, Senior Professor	Member (external expert) in internal promotion committee for ADRI/NRSC	ADRI/NRSC, Hyderabad Telangana	2012 to till date
4.	CSE	Dr. A. Govardhan, Senior Professor & Rector	TS EAMCET-2022 Convener	TSCHE	2022
5.		Dr. M. Chandra Mohan, Professor & Director of Evaluation	TS EAMCET-2022 Co-Convener	TSCHE	2022
6.	CEN	Dr. M. Anji Reddy, Senior Professor	Vice-Chancellor, Andhra Kesari University	APCHE, Govt. of Andhra Pradesh	2023-2026
7.		Dr. Ch. Sasikala, Senior Professor	Member of Jury of National and International CMS Vathavaran Awards	Research House, Saket Community Centre, New Delhi	2021 to till date
8.		Dr. V. Himabindu, Professor	The member in Expert Panel for "DST-Optimal Water Use in Industrial Sector" in 2022	DST, Govt. of India	2022 to till date
9.				The External	CSIR-

			Expert in Selection Committee for AcSIR	NEERI Govt of India	date
10.			The member for constitution of the committee for monitoring of RACE facility for firecrackers	Shivakashi CSIR-NEERI Govt. of India	2022 to till date
11.		Dr. T. Vijayalakshmi, Assoc. Prof., Head, BOS Chairperson & EC Member JNTUH	Initiated participant in the United Nations workshop on space-based technologies for disaster risk reduction-assessing the unseen risks	Bangkok, Thailand	7 th - 9 th Dec. 2022
12.			Edu Panel Member-Confederation of Indian Industries, Telangana	CII, Hyderabad Telangana	2018 to till date
13.			Member (external expert) in internal promotion committee for ADRI/NRSC	ADRI/NRSC, Hyderabad Telangana	2019 to 2022
14.			SEAC Member, Govt. of Telangana, MoEF & CC, GOI	Govt. of Telangana, MoEF & CC, GOI	2021 to till date

7.2 Textbooks/Book Chapters Authored by Faculty Members

The members of the faculty of JNTUH authored 22 textbooks/bookchapters/conference proceedings in the fields of their specialization. Following are the details of various books authored by them:

JNTUH University College of Engineering, Science and Technology, Hyderabad

S. No.	Dept.	Name of the Faculty Member & Designation	Title of the Book and ISBN	Name of the Publisher
1.	CSE	Dr. A. Govardhan,	As Editor: Emerging Computational Approaches in Telehealth and	Bentham Science

		Senior Professor & Rector, JNTUH	Telemedicine: A Look at The Post-COVID-19 Landscape - Advances in Data Science-Driven Technologies, https://doi.org/10.2174/97898150792721220101 . ISBN: 978-981-5079-28-9.	Publishers
2.			As Editor: Innovations in Computer Science and Engineering – Proceedings of the Tenth ICICSE 2022, Lecture Notes in Networks and Systems, pp. 1-678, Volume 565, 2022, ISBN-13: 9789811974540	Springer Nature Singapore
3.			Book Chapter: "Automatic Screening of COVID-19 based on CT Scan Images through Extreme Gradient Boosting", <i>Artificial Intelligence Applications for Health Care</i> , DOI: 10.1201/9781003241409-8, 2022, pp.139-162.	CRC Press (Taylor & Francis Group)
4.		Dr. B. Rama Devi, Professor, Head & BOS Chair	Text Book of Engineering Chemistry 2022	Cengage Publications
5.		Dr. B. Rama Devi, Professor, Head & BOS Chair & Dr. P. Aparna, Professor	Engineering Chemistry Lab manual	S. Chand Publications
6.		Prof. Archana Giri Professor & Dr. Anjaneyulu Musini, Asst. Professor	Drug Resistance Mechanism in Staphylococcus aureus and 978-3-030-80107-6	Springer, Cham
7.	CBT	Prof. Archana Giri, Professor	Recent Trends in Elicitation and Secondary Metabolic Pathway Analysis in Medicinal Plants: An Integrated Transcriptomics and Proteomics Approach	Springer
8.		Dr. A. Uma, Assoc. Professor & BOS Chairperson	Effect of Biotic and Abiotic stresses on plant metabolic pathways and 978-1-83969-347-2	Intechopen
9.	CEN	V. Himabindu, Professor	Book Chapter: Volarization of Microalgal Biomass to Produce Biofuels and Essential Nutraceuticals	Taylor & Francis Group
10.	CNST	Dr. K. Venkateswara Rao, Professor & Director,	MXenes and their composites for energy harvesting applications, 9780128225868	Elsevier

		Evaluation		
11.		Dr. Ch. Shilpa Chakra, Assistant Prof. & Head	Synthesis and Characterization of Emerging Nanomaterials, 978-981-19-1312-9	Springer Nature
12.	CWR	Dr. M.V.S.S. Giridhar, Professor & Head	Book Chapter: Utility of Geomatics in Land Use Land Cover Change Detection and Accuracy Analysis. In: Rao C.M., Patra K.C., Jhajharia D., Kumari S. (eds) Advanced Modelling and Innovations in Water Resources Engineering. Lecture Notes in Civil Engineering, vol 176.	Springer, Singapore

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1.	EEE	Sri. C. Radha Charan, Associate Professor	Cyber Physical System Foundation and Techniques, Machine Learning a Key Towards Smart Cyber Physical System, pp.43-62	Scrivener Wiley Publications, 2022
2.	CSE	Dr. P. Sammulal, Professor	Analysis of Deep Learning Models for Early Action Prediction Using LSTM, 978-981-16-6723-7	Springer
3.		Dr. T. Venugopal, Professor & Vice-Principal	Diabetic Retinopathy Classification Using Lightweight CNN Model, 978-981-16-7985-8	Springer
4.			Diabetic Retinopathy Classification Using Binary CNN and Data Augmentation, 978-981-16-6407-6	Springer
5.			Diabetic Retinopathy Classification Techniques in Medical Analysis Using Deep Representations, 978-981-16-3690-5	Springer
6.		Dr. S. Viswanadha Raju, Senior Professor	Advanced Analysis of Cardiac Image Processing Using Hybrid Approach	IEEE
7.			Heart Attack Classification Using SVM with LDA and PCA Linear Transformation Techniques, 978-981-33-4046-6	Springer
8.		Dr. B. Sateesh Kumar, Professor	Efficient and Secured Route Management Scheme Against Security Attacks in Wireless Sensor Networks, 978-1-6654-2867-5	IEEE

JNTUH University College of Engineering Sultanpur

1.	CSE	Dr. G. Narsimha, Professor & Principal	Sentiment Analysis / ISBN: 9798886063103	Notion Press 2022
2.			A Comprehensive Guide to Information Security	CRC Press 2022

			Management and Audit / ISBN 9781032344430	
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7.3 Research and Development (R & D) – Promotion of Research

Jawaharlal Nehru Technological University Hyderabad (JNTUH) is focusing much on research programs related to need-based technology and solutions for societal problems. Accordingly, an independent Research and Development Cell (R&D Cell) was established in the year 2005 to promote and monitor the research programs of University. The R&D Cell governs Ph.D./M.Phil./M.S. programs in external and full-time modes and research progress of the scholars. The R&D Cell coordinates with the Directorate of Admissions for selection and admission of research scholars and interfaces with Directorate of Evaluation for conduct of coursework examinations, evaluation of thesis, issue of provisional and original certificates. Further, R&D Cell interacts with Directorate of University Foreign Relations for the students of foreign nationals for admissions into Ph.D. Programme. R&D Cell initiates all necessary academic activities for monitoring and evaluation of candidates admitted for M.Phil., M.S. (by Research) and Ph.D. programmes.

R&D Cell is headed by a Director and supported by a Deputy Director, and office staff. It has an advisory board with senior faculty members and conducts the Research Review Meetings (RRMs) to examine the quality of research being carried out by Research Scholars.

Departmental Research Committees (DRCs) have been constituted under the R&D Cell to identify emerging areas of research, and monitor the progress of the research scholars. The DRC comprises Board of Studies (BoS) Chairperson, Head of the Department (HoD) and two senior faculty members of the department concerned, conducts RRMs once in every six months for reviewing the progress of the research work.

Details of RRMs conducted during Sep-2021 to Feb-2023 are as follows:

S. No.	Date of Conduct	Students enrolled
1.	29 th – 30 th December 2021	159
2.	28 th June 2022	157
3.	3 rd December 2022	144

JNTUH has been undertaking interdisciplinary research work involving the departments within and outside the University. It has been continuing collaborative research work with IICT, DMRL, DRDL, DRDO, TECUMSEH, DLRL, CITD and other organizations of national and international repute.

R&D Cell has successfully conducted Research Methodology (RM) Coursework. Eminent researchers from Academic Institutions, Central Research Centres, Defence & Corporate organizations are invited to deliver lectures in the RM Coursework. Details of Research Methodology Coursework conducted during September 2021 to February 2023 are as follows:

S. No.	Date of Conduct	Discipline	Students Enrolled
1.	15 th – 20 th October 2022	Engineering & Sciences Stream	221

In the Academic Year 2022-2023 for Ph.D. programme, 20 Full time Research scholars and 183 External Research scholars are enrolled under R&D Cell.

Total no. of Ph.D. Viva-Voce examinations held during September-2021 to February-2023 are **219**. The Academic Regulations are revised from the Academic Year 2021-22 onwards.

7.4 Award of Ph.D. Degrees to the Faculty Members of JNTUH

The following faculty members were awarded Ph.D. Degrees from October 2021 to February 2023:

S. No	Name of the Department	Name of the Faculty Member	Title of Ph.D. Thesis	Month & Year of Award
1.	ECE, JNTUH UCESTH	Dr. T. Madhavi Kumari, Associate Professor	"A Novel Approach in Recognition of Handwritten Dravidian Characters for Secure Transmission Telugu as Case Study".	Nov. 2022
2.	ECE, JNTUH UCEJ	Dr. D. Naga Sudha,	A Framework for Text Classification and	Feb. 2022

		Associate Professor	Summarization of Telugu Document Statistical Model	
3.	EEE, JNTUH UCEM	Dr. R. Durga Rao, Associate Professor & Head	Estimation and Mitigation of Very Fast Transient Over Voltage (VFTO) Magnitudes by Switching the Lumped Elements in UHV Gas Insulated Switchgear Substations”.	Oct.2021

7.5 Research Scholars Supervised by Faculty Members

The following members of the faculty from different University colleges of JNTUH have supervised **83** Research Scholars from March 2022 to Feb. 2023.

JNTUH University College of Engineering, Science and Technology, Hyderabad

S. No.	Dept.	Name of the faculty Member & Designation	No. of Scholars Awarded Ph.D.
1.	CE	Dr. G.K. Viswanath, Senior Professor & Director, UGC-HRDC, JNTUH	01
2.		Dr. P. Srinivasa Rao, Professor	01
3.		Dr. P. Sravana, Professor & BOS Chairperson	01
4.		Dr. B. Dean Kumar, Professor & Head	01
5.	EEE	Dr. N. Yadaiah, Senior Professor	01
6.		Dr. N.V. Ramana, Senior Professor & Dy. Director, UGC-HRDC, JNTUH	01
7.		Dr. S. Tara Kalyani, Senior Professor & Director, UIIC	01
8.		Dr. M. Sushama, Professor	02
9.		Dr. A. Raghu Ram, Professor & BOS Chairman	01
10.		Dr. A. Jaya Laxmi, Professor & Principal	02
11.	ME	Dr. A. Chennakesava Reddy, Senior Professor	02
12.		Dr. A.V.S.S.Kumara Swamy Gupta, Senior Professor	01
13.		Dr. A. Balu Naik, Senior Professor & Director, UFR	01
14.		Dr. A. Prabhu Kumar, Professor	01
15.		Dr. G. Krishna Mohana Rao, Sr. Professor & Director, SCDE, JNTUH	01
16.		Dr. S. Naga Sarada, Professor & BOS Chairperson	01
17.		Dr. N.V.S. Raju, Professor & Head	01
18.		Dr. E. Ramjee, Professor & Deputy Director, Admissions	01
19.	CES	Dr. M.T. Naik, Professor & Coordinator	02
20.	ECE	Dr. P. Chandra Shekar Reddy, Senior Professor	02
21.		Dr. M. Madhavi Latha, Senior Professor	01
22.		Dr. D. Srinivasa Rao, Senior Professor & Director, UAAC	01
23.		Dr. M. Asha Rani, Senior Professor	01
24.		Dr. T. Satya Savithri, Professor & BoS Chairperson	02

25.		Dr. K. Anitha Sheela, Professor	02
26.	CSE	Dr. V. Kamakshi Prasad, Senior Professor & BoS Chairman	01
27.		Dr. A. Govardhan, Senior Professor & Rector	03
28.		Dr. O.B.V. Ramanaiah, Senior Professor	01
29.		Dr. B. Padmaja Rani, Professor	02
30.		Dr. M. Chandra Mohan, Professor & Director, Academic & Planning	01
31.		Dr. D. Vasumathi, Professor & Head	04
32.		Dr. K. Shahu Chatrapati, Professor & Addl. Controller of Examinations	01
33.	IT	Dr. A. Damodaram, Senior Professor	02
34.		Dr. G. Venkata Rami Reddy, Professor & Director, Admissions	01
35.	Maths	Dr. M.A.S. Srinivas, Senior Professor	01
36.		Dr. M. N. Raja Shekar, Professor & Head	01
37.		Dr. B. Ravindra Reddy, Professor, BoS Chairman & Deputy Director, UAAC	01
38.	Chemistry	Dr. B. Rama Devi, Professor, Head & BOS Chairperson	01
39.	H&SS	Dr. V. Parvathi, Professor & BOS Chairperson	01
40.	CBT	Dr. A. Uma, Associate Professor & BOS Chairperson	02
41.	CCST	Prof. A. Jaya Shree, Senior Professor & Head	03
42.	CEN	Dr. M. Anji Reddy, Senior Professor	01
43.		Dr. Ch. Sasikala, Senior Professor	01
44.		Dr. V. Hima Bindu, Professor	01
45.	CNST	Dr. K. Venkateswara Rao, Professor & Director of Evaluation	01
46.	CWR	Dr. C. Sarala, Professor	01
47.		Dr. M.V.S.S. Giridhar, Professor & Head	02

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1.	EEE	Dr. G. N. Srinivas, Senior Professor	01
2.	CSE	Dr. P. Sannulal, Professor	02
3.		Dr. T. Venugopal, Professor & Vice-Principal	01
4.	IT	Dr. S. Suresh Kumar, Assistant Professor & Head	01
5.	Physics	Dr. Suresh Sripada, Assistant Professor	02

JNTUH University College of Engineering Manthani

1.	CSE	Dr. B. VishnuVardhan, Senior Professor & Principal	03
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JNTUH University College of Engineering Sultanpur

1.	CSE	Dr. G. Narsimha, Professor & Principal	01
2.		Dr. B.V. Ram Naresh Yadav, Professor & Head	01

JNTUH University College of Engineering Rajanna Sircilla

1.	CSE	Dr. K. Suresh Babu, Professor	01
2.	Physics	Dr. K. Vijaya Kumar, Professor & Principal	03

JNTUH University College of Management Hyderabad

1.	Dr. Sindhu, Professor & Principal	02
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7.6 Patents/Copyrights Filed/Awarded

Faculty members of JNTUH were granted 7 patents, 6 more patents were published and one filed. The following are the details:

JNTUH University College of Engineering, Science and Technology, Hyderabad

S. No.	Dept.	Name of the Faculty Member	Details of Patent Filed/ Published/ Granted	Date of Publish/ Grant	Patent Authority
1.	EEE	Dr. K. Naga Sujatha, Professor & Head	German Patent -1 Wind-solar Vehicle:20 2022 100 316.5.	Granted, 06 th Mar. 2022	Indian Patent Office
2.			A Method for Power Sharing in Droop - Control Hybrid AC - DC Sub Grids.	Granted, 20 th Jan. 2022	Indian Patent Office
3.			A Smart Urban Traffic Electric Vehicle Charging Control System for Smart Cities: 202241029643.	Granted, 01 st Jan. 2021	Indian Patent Office
4.	EEE	Dr. M. Sushama, Professor	Method of Synthesizing LINIXCU0.5-XMN1 .504 Nanomaterial Using Microwave Assisted Sol-Gel Technique for Lithium-Ion Battery Cathode: 202141014821.	Granted, 16 th April 2021	Indian Patent Office
5.		Dr.K. H. Phani Shree, Professor	System and Method for Monitoring, Protection, And Control of a Power Grid: 202141004313.	Granted, 05 th Aug. 2022	Indian Patent Office
6.	CSE	Dr. V. Kamakshi Prasad, Senior Professor & BOS Chairman	Iris Based Smart Human Identity Recognition System to Provide High Security Mechanism for an Organization Using Data Mining, Machine Learning and Deep Learning Algorithms, 202241049839.	Published, 09 th Sept. 2022	Indian Patent Office
7.		Dr. A. Govardhan, Senior Professor & Rector	A Secure and Usable Text-o-Graphic Password Method to Authenticate Web Users.	Granted, 3 rd June 2022	Indian Patent Office
8.	Mett.	Dr. K.	Quantification of filling ability	Published,	Indian

	Engg.	Srinivasa Vadayar, Professor & BOS Chairman	distance obtained from casting simulations using virtual casting software, Filing Indian – Provisional Application No. 22041055607.	24 th June 2022	Patent Office
9.	CEN	Dr. Ch. Sasikala, Senior Professor	Culture medium and Methods for the Production of Secondary Metabolites By a probiotics bacterium, Zooshikella Marina JC333T (TEMP/E-1/41720/2021-CHE).	Published, 10 th Dec. 2021	Indian Patent Office
10.	CNST	Dr. K. Venkateswar a Rao, Professor & Director of Evaluation	Egg shell membrane template-assisted synthesis of Hierarchical samarium oxide nanostructure through hydrothermal route 202141053929.	Filed, 23 rd Nov. 2021	Indian Patent Office
11.	CWR	Dr. M.V.S.S. Giridhar, Professor of Water Resources	Geo-Membrane in Rainwater Harvesting Structures.	Granted, 27 th Feb. 2023	Indian Patent Office

JNTUH University College of Engineering Jagtial

1.	CSE	Dr. P. Sammulal, Professor	Early Action Prediction using Deep Learning Framework for Anomaly Detection from Surveillance videos by Recurrent Residual Inception V3 & LSTM.	Published, 04 th Feb. 2022	Indian Patent Office
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JNTUH University College of Engineering Manthani

1.	EEE	Dr. R. Durga Rao, Associate Professor & Head	Automatic Kitchen Exhaust Fan with Pollution Monitoring System, 202231027484.	Published, 10 th June 2022	Indian Patent Office
2.			Solar Panel Embedded Tube Light Frame for Battery Charging and Led Lamp Lighting, 202231033862.	Published, 08 th July 2022	Indian Patent Office

7.7 Research Publications

The faculty members of JNTUH have published **345** research articles in various reputed National and International Journals/Conferences/Seminars/Symposia.

The details are as follows:

JNTUH University College of Engineering, Science and Technology, Hyderabad

Dept./Centre	Journals		Conferences		Total
	Intl.	National	Intl.	National	

Civil Engg.	11	-	-	-	11
Electrical & Electronics Engg.	14	-	-	-	14
Centre for Energy Studies	03	-	-	-	03
Mechanical Engineering	-	-	01	-	01
Electronics & Comn. Engg.	15	02	01	-	18
Computer Science & Engg.	45	-	3	-	48
Information Technology	11	-	-	-	11
Mathematics	57	-	-	-	57
Chemistry	03	-	-	-	03
Centre for Biotechnology	07	03	-	-	10
Centre for Chemical Science and Technology	09	02	-	-	11
Centre for Environment	21	-	-	-	21
Centre for Nanoscience and Technology	14	-	-	-	14
Centre for Pharmaceutical Sciences	18	-	-	-	18
Centre for Spatial Information Technology	06	-	-	-	06
Centre for Water Resources	02	-	-	-	02

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Electrical & Electronics Engg.	18	-	05	-	23
Mechanical Engineering	05	-	-	-	05
Electronics & Comn. Engg.	-	-	04	-	04
Computer Science & Engg.	29	-	02	-	31
Information Technology	05	-	01	-	06
Chemistry	09	-	-	-	09

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Electrical & Electronics Engg.	04	-	-	-	04
Computer Science & Engg.	01	-	-	-	01

JNTUH University College of Engineering Sultanpur

Computer Science & Engg.	8	-	-	-	8
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JNTUH University College of Management Hyderabad

UCMH	09	01	-	-	10
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7.8 Conferences/Workshops/Seminars/Refresher Courses/Training Programs Organized

Various departments of the University colleges/units of JNTUH conducted 123 Seminars/Workshops/Conferences/Refresher/Short-term courses/Training programs/Expert lectures for their faculty members in the following disciplines:

JNTUH University College of Engineering, Science and Technology, Hyderabad

Dept./ Centre	Name of the Organizing Faculty Member	Nature of the Event
CE	Dr. B. Dean Kumar, Professor	National Workshop – 01
EEE	Dr. M. Sushama, Professor	National Level Awareness Program - 01
	Dr. K. Naga Sujatha, Professor & Head	National Workshop – 01
	Dr. K.H. Phani Sree, Professor	National Webinars - 02
	Dr. D. Kiran Kumar, Assistant Professor	National Short-Term Course - 01
ECE	Dr. L. Pratap Reddy, Senior Professor	National Seminar – 01, National Workshop – 01, Guest Lecture delivered - 01
	Dr. T. Satya Savithri, Professor & BoS Chairperson	National Workshop – 01, Expert Lectures delivered- 02
	Dr. K. Anitha Sheela, Professor	National Seminar – 02, National Workshop – 04, Expert Lectures delivered- 04
	Dr. A. Rajani, Professor & Head	National Seminar – 01
Maths	Dr. V. Srinivasa Kumar, Assistant Professor	International FDP – 01, National FDP - 01
Chemistry	Dr. Ch. Venkata Ramana Reddy, Professor	Expert Lectures delivered- 01
	Dr. B. Rama Devi, Professor, Head & BOS Chairperson	National Level FDP - 01
	Dr. M. Thirumala Chary, Professor Emeritus	Expert Lectures delivered- 01
H&SS	Dr. V. Parvathi, Professor & BOS Chairperson	National Short-Term Training Program – 01, Short-Term Courses - 02
	Dr. N.V.S.N. Lakshmi, Associate Professor & Head	Refresher Course – 01, Expert Lectures delivered- 07

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EEE	Dr. N.V. Ramana, Senior Professor & Deputy Director, UGC-HRDC, JNTUH	National Workshop - 01
	Dr. G.N. Srinivas, Senior Professor	Keynote Speaker - 01
	Sri. C. Radha Charan, Associate Professor	Expert Lectures delivered - 01
	Dr. K. Srinivas, Assoc. Prof & Head and Sri. C. Radha Charan, Assoc. Professor	National Workshop - 01
ECE	Dr. Dhiraj Sunehra, Professor & Head	Training Programmes – 03, National Workshop – 01, Paper Presentation Session Co-chair - 01

	Smt. M. Tirupathamma, Associate Professor	National Workshop – 01
CSE	Dr. S. Viswanadha Raju, Senior Professor	Invited Talk/ Expert Lectures delivered – 06
	Dr. P. Sammulal, Professor	Short Term Course – 01, National Workshop – 01, National Webinar – 01
	Dr. B. Sateesh Kumar, Professor	Short Term Course – 01, National Workshop – 01, Expert Lectures delivered - 01
	Dr. B. Kranthi Kiran, Professor	Refresher Course - 01
Chemistry	Dr. B. Sathyanarayana, Assistant Professor	Expert Lectures delivered - 02
CBT	Dr. A. Uma, Associate Professor & BOS Chairperson	National Workshop – 02, National FDP – 01
CCST	Dr. A. Jaya Shree, Senior Professor & Head	National Conference – 01, Invited Talk – 01
CEN	Dr. Ch. Sasikala, Senior Professor	Invited Talk – 01
	Dr. V. Hima Bindu, Professor	National Workshop – 01
	Dr. T. Vijaya Lakshmi, Associate Professor, Head & BOS Chairperson	National Workshop – 01
CNST	Dr. K. Venkateswara Rao, Professor & Director of Evaluation	Invited Talks/ Expert Lectures Delivered - 05
	Dr. Ch. Shilpa Chakra, Assistant Professor & Head	National Online Short-Term Course – 01, Invited Talks/ Expert Lectures Delivered - 07
CPS	Dr. M. Sunitha Reddy, Professor & Head	Int. Conference – 01, National Level Orientation Program – 01, Expert Lecture - 01
CWR	Dr. C. Sarala, Professor	National Workshop - 01
	Dr. M.V.S.S. Giridhar, Professor & Head	National Seminar – 01, National Workshop - 01

JNTUH University College of Engineering Manthani

EEE	Dr. R. Durga Rao, Associate Professor & Head	National Workshop -01, Refresher Course - 01
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JNTUH University College of Engineering Sultanpur

CSE	Dr. G. Narsimha, Professor & Principal	National FDP – 01, Expert Lecture Delivered - 01
	Dr. B. V. Ram Naresh Yadav, Associate Professor	Refresher Course - 04

JNTUH University College of Management Hyderabad

UCMH	Dr. Sindhu, Professor & Principal	National Seminars - 01, National Workshop - 01 Resource Person - 03, Expert Lectures delivered- 03
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	Mrs. A. Santosh Kumari, Asst. Professor	Faculty Induction Programs- 15
	Prof. V. Shekhar, Emeritus Professor	Expert Lecture delivered- 01

8.0 CONSULTANCY SERVICES OFFERED

As a Technological University dedicated to the growth of Science, Engineering, Technology&Management and development of human resources in these areas, the University promotes collaboration between entrepreneurs and R&D organizations. The University has been striving to provide best technical knowledge to the students by involving them in entrepreneur/consultancy activities. For this goal Bureau of Industrial Consultancy Services (BICS) acts as a liaison between the University and Industry. BICS is involved in providing solutions to the problems of the industry so as to benefit the society at large. BICS offers consultancy services for the designing & proof checking of structures, third party quality control, electrical and mechanical engineering problems. BICS is offering consultancy services to GHMC, Secunderabad Cantonment Board, Warehousing Corporation, Defence Establishment, BHEL, MES, TSSPDCL, Hyderabad Metro Rail, R&Band other Government/Private organizations with an emphasis on creating and designing eco-friendly systems to safeguard the natural resources. The BICS has generated revenue to the tune of **Rs.2.95 Crore** from consultancy works during September 2021 to February 2023. Further, JNTUH University Colleges generated a revenue of **Rs. 12.32 Lakhs**.

9.0 INDUSTRY-ACADEMIA INTERACTION

JNTU Hyderabad has been a pioneer in promoting industry-academia interaction and the scope of the activities has been steadily growing. In this endeavour, JNTUH has established a Directorate of University Industry Interaction Centre (UIIC) in the year 2009. Industry interactions related to Engineering and Technology, Basic and Applied Sciences, Pharmacy and Management come under University Industry Interaction Centre. College Placement Umbrella (CPU) has been established in 2020 to centralize the placement activities of all colleges of the university. The main focus of UIIC is

to bridge the gap between Institute & Industry. UIIC conducts several training programs to improve the job-readiness of the students and increase their employability. This directorate carries forward the interaction of university with the industrial bodies of Public, Private and Government organizations and also handles campus placement activities for all university and affiliated colleges.

Activities of University Industry Interaction Centre, JNTUH

HR Recruiters Meet:

HR Recruiters Meet was organized in collaboration with Blackbuck Engineers Pvt. Ltd. on 10th February 2023. Around 50 Company HRs/Campus Recruiters participated in this event. Panel Discussion on ‘Role of Industry and University: Gaps in Fresher’s Skill Set and Industry Readiness for Hiring’ was organized with Prof. A. Govardhan, Rector, JNTUH; Prof. M. Manzoor Hussain, Registrar, JNTUH; Mr. Srikanth Surampudi, Regional Head-HR, TCS; Mr. Upendra P., Delivery Head, Kyndryl, Hyderabad; Ms. Jayati P, Head HR, Keka, Hyderabad as esteemed panellists and Mr. Emanuel G., Sr. Resource Development Manager, Epam Systems, Hyderabad as a Moderator.

Meet the Achiever’ Program:

- Sri B. Venkatesham, IAS, Principal Secretary to Government, BC Welfare delivered motivational speech and interacted with staff and students on 11th February 2023.
- Dr. K.I. Varaprasad Reddy, Founder and Chairman of Shantha Biotechnics and Sri. Nagendra Kumar Dadi, IPS, Retired IGP have delivered motivational speech and interacted with staff and students on 4th March 2023.

Memorandum of Understanding (MoUs):

- MoU with Muni Campus Pvt. Ltd., Navi Mumbai for on 08th March 2022 for Centralised Campus Recruitment Portal Services.
- MoU with Blackbuck Engineers Pvt. Ltd., Hyderabad on 31st October 2022 for conducting Industry Oriented Training Programs on Artificial Intelligence, Machine Learning and Data Science under Centre of Excellence for Future Technologies (CEFT).

Job Fairs:

University Industry Interaction Centre, JNTUH organized 2 Mega Job Fairs/Job Melas on 15th& 16th March 2022 and 25th& 26th February 2023. Around **28,000** placement offers were rolled out for the candidates attended the job fair.

10.0 UGC – HUMAN RESOURCE DEVELOPMENT CENTRE ACTIVITIES

The UGC-Human Resource Development Centre (formerly known as UGC-Academic Staff College), JNTUH was established in the year 2000 and sponsored by UGC.

The UGC-Human Resource Development Centre organizes:

- Faculty Induction Programs
- Orientation Programs
- Refresher Courses
- Short Term Courses
- Summer / Winter Schools
- Self-Supporting Programs
- FDPs/STTPs/Workshops/Webinars
- Skill Enhancement Training to Non-Teaching Staff

on thrust areas for in-service teachers and also for newly appointed teaching faculty from all over India, on a regular basis, to update the knowledge and skills in their respective fields, to create high quality human resources and to adopt innovative approaches.

The UGC-HRDC, JNTUH works to enhance the quality of teaching, stimulate research and scholarly activities by facilitating an enriched academic environment integrated with instructional technologies. It continually supports and empowers faculty particularly in Technical Education to keep them up to date in discipline and profession. Through a variety of programs and resources it facilitates holistic development of faculty and contributes to individual, institutional and community development.

Apart from UGC sanctioned programmes, the HRDC of JNTUH organises AICTE sponsored programmes, TEQIP sponsored programmes, Outreach Programmes and other Self-Financing programmes. The main objective of these programmes is to refresh and update the knowledge and improve the teaching skills and quality in the concerned subjects of teaching faculty of Engineering Colleges. The UGC-HRDC, JNTUH provides quality training to the teacher participants by highly qualified and experienced resource persons from Academia and Industry and explores interactive & innovative methods of training for effective delivery of the courses.

The UGC-HRDC, JNTUH organized **5** Faculty Induction Programmes, **8** Refresher Courses, **7** Short Term Courses, **1** Principal Meet, **8** Webinars and **5** AICTE sponsored Faculty Development Programmes, a total of **34** Courses and trained total number of **2,631** teacher participants, during the period from January 2022 to February 2023.

Courses organized by UGC-HRDC, JNTUH from January 2022 to February 2023:

S.No.	Title of the Program	Schedule	No. of Participants
1.	One –Week Online Short-Term Course on “Research Methodology”.	24-01-2022 to 31-01-2022	52
2.	Faculty Induction Programme -8	21-01-2022 to 28-02-2022	42
3.	Refresher Course on “Current and Future Prospects of Drug Discovery and Delivery Approaches”.	21-02-2022 to 07-03-2022	58
4.	Novel Materials and Energy Storage Devices for Environmental and Health Care Applications.	24-01-2022 to 31-01-2022	53
5.	Faculty Induction Programme -9	23-05-2022 to 22-06-2022	59
6.	Faculty Induction Programme -10	22-08-2022 to 22-09-2022	30
7.	Faculty Induction Programme -11	21-11-2022 to 21-09-2022	30
8.	Faculty Induction Programme -12	13-02-2023 to 16-03-2023	38

9.	Refresher Course on Artificial Intelligence.	23-05-2022 to 04-06-2022	70
10.	Refresher Course on English Language Teaching.	11-07-2022 to 23-07-2022	59
11.	Refresher Course on Emerging Trends and Innovations in Pharmaceutical Sciences.	11-07-2022 to 23-07-2022	36
12.	Refresher Course on Internet of Things.	22-08-2022 to 05-09-2022	58
13.	Refresher Course on Machine Learning & Data Science.	12-12-2022 to 24-12-2022	83
14.	Refresher Course on Indian English Literature.	13-02-2023 to 27-02-2023	86
15.	Refresher Course on Drug Discovery and Novel Drug Development-Analytical Interpretation of Research Data.	13-02-2023 to 27-02-2023	65
16.	One –Week Online Short-Term Course on Advanced Applied Chemistry and Engineering Materials.	22-08-2022 to 27-08-2022	30
17.	One –Week Online Short-Term Course on Advance in Nonmaterial Fabrication, Characterization and Applications.	31-10-2022 to 05-11-2022	58
18.	One –Week Online Short-Term Course on MOOCs, e-content Development and Online Pedagogy.	31-10-2022 to 05-11-2022	33
19.	One –Week Online Short-Term Course on Gender Sensitization.	14-11-2022 to 19-11-2022	47
20.	One –Week Online Short-Term Course on Cyber Security and Forensics.	14-11-2022 to 19-11-2022	40
21.	One –Week Online Short-Term Course on Research Methodology.	12-12-2022 to 17-12-2022	42
22.	One Day Principal Meet.	06-01-2023	117
23.	Webinar on “NEP-2020 Implementation Plan: Multidisciplinary and Holistic Education”.	18-06-2022	174
24.	Webinar on “NEP-2020 Implementation Plan: Outcome Based Education & Academic Bank of Credits”.	28-06-2022	146
25.	Webinar on “NEP-2020 Implementation Plan: Multiple Entry and Exit System”.	29-06-2022	112
26.	Webinar on “Academic Research Integrity in the Context of NEP-2020”.	30-06-2022	157
27.	Webinar on “NEP-2020 Implementation Plan: Equity and Inclusion”.	13-07-2022	155

28.	Webinar On “NEP-2020 Implementation Plan: Technology Use and Integration”.	03-09-2022	122
29.	Webinar on “NEP-2020: Changing Role of Teachers”.	06-09-2022	170
30.	Webinar On “NEP-2020 Implementation Plan: Promotion of Indian Knowledge Systems”.	26-11-2022	257
AICTE Sponsored Programmes:			
31.	Professional Development Programme on “Effective Administration in Academic Institutions” for the Non-teaching staff of Universities/Colleges (Sponsored by AICTE).	23-05-2022 to 04-06-2022	52
32.	AICTE Sponsored Professional Development Programme on “Skill Development for Laboratory Technicians”.	06-06-2022 to 20-06-2022	54
33.	Professional Development Programme on “Effective Administration in Academic Institutions” for the non-teaching staff of Universities/Colleges.	27-07-2022 to 10-08-2022	35
34.	Six-Day Faculty Development Program on “Mentoring Institutional Social Responsibility and Facilitation for Community Engagement”.	12-09-2022 to 17-09-2022	41

11.0 ENTREPRENEURSHIP DEVELOPMENT CELL ACTIVITIES

Entrepreneurship Development Cell (EDC) of the University was established in 2002 with support from the Department of Science and Technology (DST), Govt. of India. The Cell is recognized as one of best performing EDCs in India sanctioned by DST. The Government of India has identified ‘Entrepreneurship’ as one of the principal mechanisms for the mitigation of Unemployment and Under-employment amongst Science & Technology graduates in the country today. In order to make optimal use of facilities, expertise and know how available in the Technical Institutions for the benefit of the society, it has been necessary that appropriate links are established between institutions and the Industry. Special emphasis has been laid on Entrepreneurship and Self-Employment, keeping in view the present mandate of Trained Manpower that graduates out of Technical Institutions.

Micro, Small & Medium Enterprises – Technology Business Incubator (MSME-TBI) is a novel Scheme launched by the Ministry of Micro, Small & Medium Enterprise (MSME), Government of India (GoI), which aims at Identification and commercialization of Innovative Business Ideas. As a part of this scheme, Entrepreneurship Development Cell (EDC), University College of Engineering, Hyderabad, JNTUH was approved during 2010-11 and recognized as one of the Host Institutions by the Ministry of MSME, GoI, to operate this scheme of Micro, Small & Medium Enterprises.

EDC conducts **Entrepreneurship Awareness Camps, Entrepreneurship Development Programs and Faculty Development Programs** to foster the Entrepreneurial spirit amongst the technically qualified Graduates & Post-Graduates from the Faculty of Science, Engineering & Technology and Pharmacy.

Entrepreneurship Development Cell has organized many on-campus and off-campus programs to promote Entrepreneurship as a career-choice amongst Technically-Qualified Graduates and also for Faculty Members of Engineering/ Polytechnic Institutions to promote Entrepreneurship in their respective Institutes. A total of **390** participants from various streams of Science, Engineering/Technology & Management and **24** Faculty Members of JNTUH participated in the programs.

List of Programs Conducted by ED Cell JNTUH from Oct. 2021 – Feb. 2023:

S. No.	Program Name	Chief Sponsor	Date and Venue	Participants
1.	Processing For Non-Teaching and Ministerial Staff of JNTUH UCEH	ED Cell JNTUH	12.02.2022, JNTUH UCEH, Hyd.	54
2.	4-Week Online Entrepreneurship Development Program	ED Cell JNTUH	12.02.2022 to 05.03.2022, JNTUH UCEH, Hyd.	86
3.	One Day Training	ED Cell	09.03.2022, JNTUH	50

	Program on Basics of Computers and MS Word Processing for Women	JNTUH	UCEH, Hyd.	
4.	One Day Training Program On “Computer Awareness Program” For Non-Teaching Staff of JNTUH.	ED Cell JNTUH	26.11.2022, JNTUH UCEH, Hyd.	50
5.	One Day Training Program for students on “Entrepreneurship in Technology- Metaverse”.	ED Cell JNTUH	20.01.2023, JNTUH UCEH, Hyd.	150
Total				390

12.0 INFRASTRUCTURE DEVELOPMENT

The University has taken up the construction work of several buildings to meet the demand for classrooms, new departments, and accommodation of new colleges and courses. The amount mentioned in the following table has been granted for the infrastructural development to the University colleges of JNTUH.

12.1 Works Completed

S.No.	Name of the Campus	Details of Infrastructure Works	Amount (Rs. in Lakhs)
1.	University Main Campus	Proposed balance works in Ground floor, first, second floors to the unfinished HOSEO TBI Building at JNTUH, Kukatpally, Hyderabad.	471.00
2.	JNTUH UCEM	Laying 300 mm dia RCC pipe for sewer line from JNTUH UCEM to natural drain near Horticultural polytechnic college at JNTUH University College of Engineering Manthani.	40.00
TOTAL			511.00

12.2 Works in Progress

S.No.	Name of the Campus	Details of Infrastructure Works	Amount (Rs. in Lakhs)
1.	University Main	Proposal for upgradation of infrastructural facilities and construction of Golden Jubilee building at	5000.00

	Campus	JNTUH, Kukatpally, Hyderabad.	
2.	JNTUH UCEM	Construction of additional floor (3 rd) over Girls Hostel and Boys Hostel at JNTUH University College of Engg, Manthani.	2375.00
3.		External and internal painting to Academic Block-I & workshop sheds at JNTUH University College of Engineering, Manthani.	70.00
4.		Providing interiors, seating arrangements and air conditioning in Auditorium in Ground floor of academic Block-II at JNTUH University College of Engineering, Manthani.	56.00
TOTAL			7501.00

12.3 New Additional Equipment was procured for **Rs. 79.01 Lakhs**. The details are as follows:

**JNTUH University College of Engineering, Science and Technology
Hyderabad**

S.No.	Dept.	Name of the Laboratory	Details of Equipment/Software	Cost (Rs. in Lakhs)	
1.	EEE	EEE Design Lab	Equipment for Experiments related to EEE Design Lab	2.54	
2.	CSE	Finiband Switch	Multicore Technologies Lab (125-Lab)	6.00	
3.		Firewall	Centralized Server Room	17.50	
4.		UFED4PC	Digital Forensics Lab (IoT-Lab)	10.18	
5.		FTK (Forensic Tool Kit)- Forensic Software		6.09	
6.		Tower Server		Big Data Analytics Lab (125-LAB)	6.00
7.		HPC Server		High Performance Computing Lab	16.70
8.		DL Server	11.00		
9.		Mett.	New Computer Lab	Computer Revolving Chairs	0.90
10.	Engg.	Networking Components		1.00	
Total				77.91	

JNTUH University College of Engineering Jagtial

1.	ECE	Microwave & Optical Communications Lab	Optical Communication Lab Trainer Kits	0.60
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JNTUH University College of Management Hyderabad

1.	UCMH	BBA (DA) - Class	Projector	0.50
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		Room	
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13.0 CENTRE OF EXCELLENCE IN CYBER SECURITY

JNTUH Established Center of Excellence in Cyber Security on 10th June 2020 as per the needs of industry, society & also research. The field of cyber security is playing a vital role where to control the cyber-attacks & crimes as most of our activities today are on cyber space.

Objectives are:

- To create an awareness on cyber security to Students, Faculty and also at Societal level.
- To provide Trainings & internships for the students in the field of Cyber Security to make them job ready.
- To train the faculty, inturn they train other faculty as well as students.
- To identify research gaps in the field of cyber security and provide an environment for the researchers & students to develop solutions.

Events Organized

- 12-Weeks Online Certificate Program on “**Excellence in Cyber Security**” as 3 levels (Associate Level, Professional Level, Master Level) from 14th March 2022 to 19th Aug. 2022.
- 2 Day FDP on “**Cyber Security**” on 2nd & 3rd Dec. 2022.
- Expert talk on “**Artificial Intelligence**” by Dr. Subhash Challa, CEO of Sensen.ai, Australia on 19th December 2022.
- ISEA Workshop on “**IoT Eco System: Security challenges and opportunities**” in collaboration with C-DAC, Hyderabad & IIT Guwahati on 9th January, 2023.
- 10-day Online workshop on “**Cyber Forensics**” from 15th to 25th Feb. 2023.
- 2 weeks Online Training of Trainers Programme on “**Cyber Security Essentials**” in collaboration with C-DAC Hyderabad from 15th to 28th Feb. 2023

Industry Collaborations

MOU with Telangana State Forensics Science Laboratory (TSFSL):

- 2 students successfully completed Internship at TSFSL;
- TSFSL Staff are the resource persons for programs organized by the CoE in Cyber Security;
- One student was placed as “Scientific Assistant” at TSFSL with 4.8 Lakhs package.

Working in collaboration with the Central Forensics Science Laboratory (CFSL):

- 2 students successfully completed Internship at TSFSL.
- CFSL Staff are the resource persons for programs organized by the CoE in Cyber Security

Agreement with C-DAC, Hyderabad for Future Skills Prime (FS Prime) by MIETY, NASSCOM & C-DAC:

- CoE in Cyber Security as Spoke to run FS-Prime program.
- Organized programs in collaboration with the C-DAC, Hyderabad.
- C-DAC Staff are resource persons for programs organized by the CoE in Cyber Security.

Working in collaboration with the TCS:

- TCS Staff are resource persons for programs organized by the CoE in Cyber Security.

14.0 ALUMNI ACTIVITIES

The Directorate of University Alumni Affairs was 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 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 of University alumni affairs provides a platform for interaction between alumni, present students, faculty of

the institute and institute administration. It has contributed significantly through financial and non-financial means during the last five years to improve the facilities and infrastructure of the University with the help of the active participation of the alumni.

Alumni can mean a great deal to a university, forming an ever-growing delegation of ambassadors on behalf of Alma matter. They serve as a tool to unite students and alumni by promoting the values and standards that will be advantageous and empower both current and former students and create a social, informed and motivating environment for all its stakeholders. A strong Alumni network can play a vital role in the student experience from recruitment to graduation and serving as a point of access to a diverse set of opportunities including mentoring, expertise, Internships, employment and global reach.

Alumni Activities conducted by various University Colleges are given below:

JNTUH University College of Engineering, Science and Technology Hyderabad

Events Organized:

- ECE Department, JNTUH UCESTH has conducted an online Guest Lecture by Mr. Baradwaj Kotamarthi, Engineer in Texas Instrument, on “Analog Integrated Circuits Design” on 28th May, 2022 at 10.00 AM to 12.00 PM.
- Orientation Session on the topic "Toolkit for Internships" for the Mechanical Engineering 2022 batch students by Mr. Kaushal Gujrathi, 2020 batch Mechanical engineering on 24th Nov. 2022.
- Webinar on "Finding Your Sweet Spot in IT" by Murali Vylur of 1995 Batch Mechanical Engineering on 15th July 2022.
- Orientation Program on “The Life Science Career Path” organized by Vaave on 09th March 2022.
- Workshop by Watt's Guild - A Student Club for Mechanical Engineering Students of JNTUH UCEH by inviting Srinivas Adepu, Founder and CTO, Flexmotive Technologies on 07th March 2022.

- Interactive session on “Opportunities in Software Testing” organized by SARC Team of Odisha University Technology and Research, Bhubaneswar on 27th March 2022.
- Interactive session on “Opportunities in Software Testing” organized by Sanjivani Group of Institutes, Kopargaon on 24th February 2022.

JNTUH University College of Management Hyderabad

Events Organized:

- Expert Lecture on “Industry Preparedness” by Mr. Sainath Jandhyala, Manager, Statestreet Corporation on 23rd April 2022 for MBA IV Semester Students.
- Expert Lecture on “Competencies Required for Corporate World” by Mr. Rajendra Gadirju, on 25th June 2022 for all MBA Students.

15.0 CAMPUS PLACEMENTS

JNTUH-Training and Placement Cell conducted job fairs in all the districts of Telangana State. Many students from University and Affiliated Colleges of JNTUH were selected by various companies through campus placements. The companies that offered placements are Phone Pe, Charge Point, Arcesium, MathWorks, Oracle-Netsuite, Pega Systems, Barclays, Amazon, Verizon, Teradata, Accenture, Oracle, and 70 other reputed MNCs and Industries.

The campus placements are very encouraging in all branches of UG, PG and IDP programs. A total of **1013** students of JNTUH University Colleges/Units were placed during campus interviews for the academic year 2021-22. Average salary offered was **Rs. 4.30 LPA**, the highest being **Rs.32.00 LPA**. The details are given below:

JNTUH University College of Engineering, Science and Technology Hyderabad

Name of the Program	Name of the Branch/ Specialization	No. of Students Placed
B.Tech.	Civil Engineering	18
	Electrical & Electronics Engineering	35
	Mechanical Engineering	39
	Electronics & Communication Engineering	55
	Computer Science & Engineering	63

	Chemical Engineering	28
	Metallurgical Engineering	35
B.Tech. (IDP)	Civil Engineering	05
	Electrical & Electronics Engineering	15
	Mechanical Engineering	15
	Electronics & Communication Engineering	19
	Computer Science & Engineering	20
M.Tech.	Computer Science & Engineering	06
	Cyber Forensics & Information Security	05
	Digital Systems and Computer Electronics	05
	Embedded Systems	05
	Engineering Design	04
	Electrical Power Engineering	01
	Power Electronics	02
	Systems and Signal Processing	07
	Thermal Engineering	08
	Environmental Management	04
	Environmental Geomatics	04
	Nanotechnology	03
	Spatial Information Technology	01
M. Pharmacy	Pharmaceutical Analysis	01
	Pharmacognosy	01
	Pharmaceutics	04
MCA	Master of Computer Applications	25

JNTUH University College of Engineering Jagtial

B.Tech.	Mechanical Engineering	36
	Electrical & Electronics Engineering	28
	Electronics & Communication Engineering	50
	Computer Science & Engineering	59
	Information Technology	56
M.Tech.	Digital Systems and Computer Electronics	05
	Computer Science & Engineering	03

JNTUH University College of Engineering Manthani

B.Tech.	Civil Engineering	12
	Electrical & Electronics Engineering	32
	Mechanical Engineering	22
	Computer Science & Engineering	56
	Mining Engineering	10

JNTUH University College of Engineering Sultanpur

B.Tech.	Civil Engineering	26
	Computer Science & Engineering	58
	Electronics & Communication Engineering	57
	Mechanical Engineering	26

JNTUH University College of Management Hyderabad

MBA	Finance	13
	HR	10
	Marketing	03

16.0 EXTENSION AND OUTREACH PROGRAMMES CONDUCTED IN COLLABORATION WITH INDUSTRY DURING AY2021-22

JNTUH UCESTH – Centre for Pharmaceutical Sciences

Title of the Activities	Organising unit/ agency/ collaborating agency	Date of Activity	Number of students participated
Visit	India Lab Expo, Hitech City, Hyderabad	15-09-2022	40
Industrial Visit	Yelluri Formulations Private Limited, Mallampet, Hyderabad	19-09-2022	35
Industrial Visit	Aurobindo Pharma Pvt. Ltd., Hyderabad	20-09-2022	40
Industrial Visit	Neuheit Pharma Technologies Pvt. Ltd., Hyderabad	22-09-2022	15
Field Visit	Centre for Forest and Natural Resource Management Studies (CEFARM), Hyd.	28-09-2022	15

17.0 ACADEMIC ACHIEVEMENTS/ PRIZES/ AWARDS RECEIVED BY THE STUDENTS OF JNTUH

A total of 127 Students got qualified in the GATE/GPAT/CAT/NET/GRE/TOEFL/IELTS exams.

JNTUH University College of Engineering, Science and Technology Hyderabad

S. No.	Name of the Student/ Team	Year of Study	Name of the Prize/ Award/ Medal Received	Awarding Institution/ Organization
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1.	Vikshith Bommella	B.Tech. ECE (II/II) IDP	First Prize in Web Designing contest	Chaitanya Bharathi Institute of Technology, Hyderabad
2.			Participated in Walkathon	Aasya Foundation
3.	Snehika	M.Sc. Analytical Chemistry (II/II)	Participated in the National Cultural Festival, All India University Yogansana.	KIIT-Bhuvaneshwar

JNTUH University College of Engineering Jagtial

1.	Uthkam Karthik	B.Tech. (III/IV)	Merit Certificate in Inter-District Handball Championship	Telangana Handball Association
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18.0 STUDENTS TECHNICAL SYMPOSIUMS ORGANIZED BY COLLEGE/DEPARTMENT/CENTRE

JNTUH University College of Engineering, Science and Technology Hyderabad

S.No.	Dept.	Name of the Event	Date(s) of Event	No. of Students Participated
1.	CE	STHAPATHYA 2022	12 th & 13 th April 2022	250
2.	ME	CONNAISSANCE 2022	12 th & 13 th April 2022	300
3.	EEE	PRAGNYA 2022	12 th & 13 th April 2022	300
4.	ECE	SPOORTHI 2022	12 th & 13 th April 2022	220
5.	CSE	QUEST 2022	12 th & 13 th April, 2022	400
6.	Mett. Engg.	AYAS 2022		300
7.		SMRUTHI 2022	21 st November 2022	250
8.	CHE	GENOS 2022	12 th & 13 th April, 2022	150
9.	HSS	IDEEP 2022	12 th & 13 th April 2022	60
10.	CBT	Tech Fest 2022	28 - 30 April, 2022	25
11.	CCST	Tech Fest 2022		58
12.	CNST	Technomancy the Bloom of Youth		17

JNTUH University College of Engineering Jagtial

1	EEE	EGNIS 2K22	27 th & 28 th April, 2022	300
2	ME	ABHIYAN 2K22	25 th & 26 th April, 2022	48
3	ECE	EMBLAZON 2K22	27 th & 28 th April, 2022	146
4	CSE	CRESCENCE-2K22	27 th – 29 th April, 2022	300
5	IT	CEZAR-2K22	26 th & 27 th April, 2022	60

JNTUH University College of Engineering Manthani

1.	EEE	Vidyuth Vikas –2K22	16 th & 17 th June 2022	130
2.	ME	Yantrotsav – 2K22		250
3.	Min.E ngg.	Mineria - 2K22		40

JNTUH University College of Engineering Sultanpur

1.	ECE	Synaptics –2K22	28 th & 29 th April 2022	200
2.	CSE	Yuga – 2K22		160
3.	CE	Ecsta – 2K22		114
4.	ME	Mechoronza – 2K22		102

19.0 ACTIVITIES OF NSS CELL, JNTUH

The NSS was formed in 1969 with an aim to “inculcate the social welfare thoughts in the students, and to provide service to the society without any prejudice”. The Motto of NSS "Not Me but You", reflects the essence of democratic living and upholds the need for self-less service. The philosophy of NSS is well doctined in this motto, which underlines the belief that the welfare of an individual is ultimately dependent on the welfare of the society on the whole and therefore, the NSS volunteers shall strive for the well-being of the society.

There are various activities conducted by NSS Cell and its activity forum includes the following:

S.No	Name of the Activity	Date of Activity	Organized by
1.	Organizing of Fit India Freedom Run	02 Oct. 2021	NSS Cell, JNTUH
2.	Organizing of Blood Donation Camp	04 Dec. 2021 & 06 Dec. 2021	
3.	Constitution Day Celebrations	26 Nov. 2021	
4.	Deputation of NSS Volunteers for program of “Clean India”	01 - 31 Oct. 2021	
5.	Bathukamma Celebrations	09 Oct. 2021	
6.	Rashtriya Ekta Diwas (National Unity)	31 Oct. 2021	

	Day) Celebrations		
N7.	Free Vaccination for All - Conduct of Door-to-door Survey	27 Nov. 2021	
S8.	National Integration Camp – 2022	14 - 20May 2022	
S9.	Organizing of Sri Ramanuja Sahasrabdi, Annual Celebrations	02 - 14 Feb. 2022	
10.	National Girl Child Day Celebrations	24 Jan. 2022	
A11.	Red Ribbon Club Activities	30 March 2022 to 23 April 2022	
12.	12 th National Voter's Day	25 Jan. 2022	
c13.	Women's Day Celebrations	08 March 2022	NSS Cell, JNTUH
t14.	National Science Day Celebrations	28 Feb. 2022	
15.	Mental Health Awareness Camp	28 - 30 April 2022	
i16.	National Integration Camp	14 - 20 May 2022	
v17.	International Yoga Day Celebrations	21 June 2022	
18.	NSS Day Celebrations	24 Sept. 2022	
i19.	University Level RD Selections	20 Oct. 2022	
t20.	Organizing of Clean India Program	19 Oct. 2022	
i21.	Pravasi Bharatiya Diwas 2023 Celebrations	08 Jan. 2023	NSS Cell, JNTUH
e22.	Azadi Ka Amrut Mahostav – Celebration of Constitution Day	26 Nov. 2022	
s23.	India's Presidency of G20(Vasudhaiva Kutumbakam)	30 to 31 Dec. 2022	
24.	Sri Ramanuja Sahasrabdi, Annual Celebrations	02 - 12 Feb. 2023	
o25.	Haritha Haram Sapling Plantation	17 Feb. 2023	

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University Colleges/Units: The following are the details of NSS activities done by various University colleges/units of JNTUH:

**JNTUH University College of Engineering, Science and Technology
Hyderabad**

S.No.	Title of the Activity	Organising agency/ Collaborating agency	Date of Activity	Number of students participated
1.	Haritha Haram	Mett. Engg. Dept., JNTUH UCESTH	24 th Nov. 2022	200

JNTUH University College of Engineering Manthani

1.	Summary Revision of Electoral Rolls 2023 - Awareness Programme on Electoral Enrollment	RDO of Manthani	26 th Nov. 2022	200
2.	Blood Donation Camp	Red Cross Society	23 rd Nov. 2022	125
3.	Swatch Bharath	NSS Cell, UCEM	15 th Dec.	64

			2022	
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JNTUH University College of Engineering Sultanpur

1.	NSS Special Camp-2022	JNTUH UCES	11 th -17 th June 2022	40
2.	National Integration Camp-2022	JNTUH UCES	14 th – 20 th May 2022	76

JNTUH University College of Management Hyderabad

1.	"Clean Campus Campaign" under Swachh Bharat Abhiyan	UCMH, JNTUH	25 th June 2022	20
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20.0 AWARD OF GOLD MEDALS

The University instituted gold medals to meritorious students in recognition of their performance during their course of study. The details are as follows:

Autonomous University Colleges for 2021-2022 Batch:

S.No.	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
1.	Best outgoing student of B.Tech. Civil Engineering from JNTUH College of Engineering, Hyderabad	18011A0141	Ms. Narla Akhila D/o. Mr. Narla Bhaskar Reddy	8.90	01- JNTUHCE Hyderabad
2.	Best outgoing student of B.Tech. Electrical & Electronics Engineering from JNTUH College of Engineering Hyderabad.	18011A0257	Mr. Yeturi Venkatesh S/o. Mr. Yeturi Satya Narayana	8.91	01- JNTUHCE Hyderabad
3.	Best outgoing student of B.Tech. Mechanical Engineering from JNTUH College of Engineering Hyderabad.	18011A0346	Ms. S. Deepthi Kowsalya D/o. Mr. Subbarao	9.14	01- JNTUHCE Hyderabad
4.	Best outgoing student of B.Tech. Electronics & Communication Engineering from JNTUH Hyderabad.	18011A0429	Ms. Mugada Sai Sreeja D/o. Mr. M.Srinivasa Rao	9.69	01- JNTUHCE Hyderabad
5.	Best outgoing student of B.Tech. Computer Science & Engg. from JNTUH College of Engineering, Hyderabad.	18011A0513	Ms. Chakka Moukthika D/o. Mr. Chakka Ramesh	9.79	01- JNTUHCE Hyderabad
6.	Best outgoing student of B.Tech. Metallurgical Engineering from JNTUH College of Engineering, Hyderabad.	18011A0652	Mr. Sriram R. S/o. Mr. S Radha Krishnan	8.68	01- JNTUHCE Hyderabad
7.	Best outgoing student of B.Tech. Chemical Engineering from JNTUH College of Engineering, Hyderabad.	18011A0812	Ms. Chennuri Srilekha D/o. Mr. Chennuri Veera Babu	8.72	01- JNTUHCE Hyderabad

Non-Autonomous University Colleges for 2021-2022 Batch:

S.No	Gold Medal	H.T.No	Name of the Student	CGPA	College Name
1.	Best outgoing student of B.Tech. Civil Engineering from JNTUH Constituent colleges.	18VD1A0132	Ms. Peddi Rajitha D/o. Mr. Peddi Komuraiah	7.93	VD – JNTUHCE Manthani
2.	Best outgoing student of B.Tech. Electrical & Electronics Engineering from JNTUH Constituent colleges.	18JJ1A0249	Ms. Sanga Swathi D/o. Mr. Sanga Shekar	8.39	JJ – JNTUHCE Jagtial
3.	Best outgoing student of B.Tech. Mechanical Engineering from JNTUH Constituent colleges.	18JJ1A0330	Ms. Neralwar Sanjana D/o. Mr. Neralwar Sainath	8.33	JJ - JNTUHCE Jagtial
4.	Best outgoing student of B.Tech. Electronics & Communication Engineering from JNTUH Constituent colleges.	18SS1A0404	Mr. Bandaru Avinash S/o. Mr. Bandaru Srinivas Rao	8.20	SS - JNTUHCE Sultanpur
5.	Best outgoing student of B.Tech. Computer Science & Engineering from JNTUH Constituent colleges.	18JJ1A0552	Ms. Gampa Reshma D/o. Mr. Gampa Ramesh	8.57	JJ - JNTUHCE Jagtial
6.	Best outgoing student of B.Tech. Information Technology from JNTUH Constituent colleges.	18JJ1A1235	Ms. Panthulugari Soumya D/o. Mr. Panthulugari Narsimulu	8.34	JJ - JNTUHCE Jagtial
7.	Best outgoing student of B.Tech. Mining Engineering from JNTUH Constituent colleges.	18VD1A2519	Mr. Shaik Sameer S/o. Mr. Shaik Afzal	8.49	VD - JNTUHCE Manthani

Affiliated Colleges for 2021 - 2022 Batch:

S.No	Gold Medal	H.T.No.	Name of the Student	CGPA	College Name
1.	Best outgoing student of B.Tech. Civil Engineering out of all affiliated Colleges.	18261A0179	Ms. Medishetty Srujana D/o. Mr. Medishetty Satish Kumar	8.36	26 - Mahatma Gandhi Institute of Technology, Hyderabad
2.	Best outgoing student of B.Tech. Electrical & Electronics	18321A0204	Ms. Kondam Amukthamalyada D/o. Mr. Kondam	8.63	32 - Bhoj Reddy Engineering College for

	Engineering out of all affiliated Colleges.		Madhusudhan Reddy		Women, Hyderabad
3.	Best outgoing student of B.Tech. Mechanical Engineering out of all affiliated Colleges.	18261A0386	Mr. Vemuri Venkata Subrahmanya Krishnavamshi S/o. Mr. Vemuri S Chakravarthy	8.20	26 - Mahatma Gandhi Institute of Technology, Hyderabad
4.	Best outgoing student of B.Tech. Electronics & Communication Engineering out of all affiliated Colleges.	18WH1A041 9	Ms. Chinthamaneni Sowmya D/o. Mr. Chinthamaneni Kishore Babu	8.65	WH - BVRIT Hyderabad College of Engineering for Women, Bachupally
5.	Best outgoing student of B.Tech. Computer Science Engineering out of all affiliated Colleges.	186B1A0512	Ms. Anugu Devika D/o. Mr. Anugu Devender Reddy	8.80	6B - Kakatiya Institute of Technology and Science for Women, Manikbhandar
6.	Best outgoing student of B.Tech. Electronics & Instrumentation Engineering out of all affiliated Colleges.	18BD1A1054	Mr. V S S Srikar Emany S/o. Mr. V Pavan Kumar Emany	8.75	BD - Keshav Memorial Institute of Technology, Narayanaguda
7.	Best outgoing student of B.Tech. Information Technology out of all affiliated Colleges.	18BD1A1204	Mr. Bachu Bala Raju S/o. Mr. Bachu Sreenivasulu	8.77	BD - Keshav Memorial Institute of Technology, Narayanaguda
8.	Best outgoing student of B.Tech. Mechanical Engineering (Mechatronics) out of all affiliated Colleges.	18261A1403	Mr. Anumalla Sharath S/o. Mr. Anumalla Venkateshwar	8.32	26 - Mahatma Gandhi Institute of Technology, Hyderabad
9.	Best outgoing student of B.Tech. Aeronautical Engineering out	18E31A2110	Mr. Kovuru Rahul S/o. Mr. Kovuru Yughandar Rao	8.05	E3 - Mahaveer Institute of Science

	of all affiliated colleges.				&Technology, Bandlaguda Khalsa
10.	Best outgoing student of B.Pharmacy out of all affiliated colleges.	18VK1R0002	Ms. Amatul Muhaimin D/o. Mr. Md Mansoor Ali	8.62	VK - Nalanda College of Pharmacy, Charlapally

Endowment Gold Medals for 2021-2022 Batch:

S.No.	Endowment Gold Medal	H.T.No.	Name of the Student	CGPA	College Name
1.	Late Prof. G. Purushotham memorial Endowment gold medal for best outgoing student who got highest marks in Mathematics-I in constituent and affiliated colleges.	18BD1A1218	Ms. Harini Goud Bathula D/o. Mr. Krishna Moorthy Bathula	8.45	BD - Keshav Memorial Institute of Technology, Narayanaguda
2.	Late D V P Narasa Raju memorial Endowment gold medal for best outgoing Girl student of B.Tech (Electronics & Communication Engineering) of JNTUH College of Engineering, Hyderabad.	18011A0429	Ms. Mugada Sai Sreeja D/o. Mr. M.Srinivasa Rao	9.69	01-JNTUHCE Hyderabad
3.	Prof. S.Tiruvengalam Endowment gold medal for B. Tech. (EEE) best outgoing student of JNTUH College of Engineering, Hyderabad.	18011A0257	Mr. Yeturi Venkatesh S/o. Mr. Yeturi Satya Narayana	8.91	01-JNTUHCE Hyderabad
4.	Smt M. Vedavathi gold medal for best outgoing Girl student in B. Tech (Electronics & Communication Engineering) in JNTUH constituent Colleges.	18011A0429	Ms. Mugada Sai Sreeja D/o. Mr. M.Srinivasa Rao	9.69	01-JNTUHCE Hyderabad
5.	Vellanki Rama Rao memorial gold Medal to be Awarded for best outgoing student of B. Tech. (Civil	18011A0141	Ms. Narla Akhila D/o. Mr. Narla Bhaskar Reddy	8.90	01-JNTUHCEH

	Engineering in all constituent colleges of the University.				
6.	Pisupaati Supriya Desai Gold Medal to be awarded for B.Tech. best outgoing student in (Electronics & Communication Engineering) in JNTUH affiliated Colleges.	18WH1A0419	Ms. Chinthamaneni Sowmya D/o. Mr. Chinthamaneni Kishore Babu	8.65	WH - BVRIT Hyderabad College of Engineering for Women, Bachupally
7.	Dr. Md. Vizarath Rasool Khan endowment gold medal to be awarded for B. Tech (Computer Science Engineering) 1 st rank in the JNTUH affiliated Colleges.	186B1A0512	Ms. Anugu Devika D/o. Mr. Anugu Devender Reddy	8.80	6B - Kakatiya Institute of Technology and Science for Women, Manikbhandar
8.	Shadan Endowment gold medal to be awarded for securing 1 st rank in B.Pharmacy JNTUH affiliated colleges.	18VK1R0002	Ms. Amatul Muhaimin D/o. Mr. Md. Mansoor Ali	8.62	VK - Nalanda College of Pharmacy, Charlapally
9.	MC Consulting Engineers gold medal to be awarded for the best outstanding and outgoing student of B.Tech (Civil Engineering) from JNTUH CEH.	18011A0141	Ms. Narla Akhila D/o. Mr. Narla Bhaskar Reddy	8.90	01-JNTUHCE Hyderabad
10.	Sudir C Rao MDF gold medal for the overall topper in MCA at School of Information Technology (SIT), JNTUH.	19031F0018	Ms. Myadam Supriya D/o. Mr. Myadam Srinivas	9.38	03 - JNTUH SIT, Hyderabad
11.	Dr. Andra Naidu Endowment gold medal for B.Pharmacy best outgoing student from Constituent and Affiliated Colleges of JNTUH.	18VK1R0002	Ms. Amatul Muhaimin D/o. Mr. Md. Mansoor Ali	8.62	VK - Nalanda College of Pharmacy, Charlapally

12.	Arun Seshu Meritorious Gold Medal to be awarded to the best student who stands top among all branches of Engg. in B.Tech. course of Study from JNTUH Constituent Colleges.	18011A0513	Ms. Chakka Moukthika D/o. Mr. Chakka Ramesh	9.79	01-JNTUHCE Hyderabad
13.	Late Dr. Burgula Ramakrishna Rao Endowment gold medal for best outgoing student Who secured 1st Rank in B.Tech (All Branches) in all Constituent & Affiliated Colleges of JNTUH, Kukatpally Hyderabad.	18011A0513	Ms. Chakka Moukthika D/o. Mr. Chakka Ramesh	9.79	01-JNTUHCE Hyderabad
14.	Dr. Shahnaz Bathual Endowment gold medal to be awarded for the best outgoing student scoring highest average marks in Mathematics - I and Mathematics - II subjects among all branches of Engg. In B.Tech. course from JNTUH Autonomous Constituent and non-Autonomous Constituent Colleges.	18SS1A0534	Ms. Mudhulkar Sahithi D/o. Mr. Mudhulkar Shankar	8.19	SS - JNTUH College of Engineering Sultanpur
15.	Dr. D. Seetha Mahalakshmi Memorial Gold Medal for the Best Outgoing B.Tech. graduate in the faculty of CSE, JNTUH CEH	18011A0513	Ms. Chakka Moukthika D/o. Mr. Chakka Ramesh	9.79	01-JNTUHCE Hyderabad
16.	Sri Suresh Chappidi Foundation Endowment gold medal for the Best Outgoing student for the topper in B.Tech. Metallurgical Engineering, JNTUH CEH	18011A0652	Mr. Sriram R. S/o. Mr. S Radha Krishnan	8.68	01-JNTUHCE Hyderabad

Endowment Gold Medals for 2019 Admitted PG Courses:

S.No.	Endowment Gold Medal	H.T.No.	Name of the Student	CGPA	College Name
1.	Padmasri Dr.A.V Rama Rao Endowment Gold Medal to be Awarded for best Outgoing student from M.Sc. (Industrial / Organic Chemistry) from IST, JNTUH	19031G0801	Ms. Gandham Swathi D/o. Mr. Gandham Tirupathi Reddy	9.44	03 - JNTUH IST, Hyderabad
2.	Prof. Y.Anjaneyulu Endowment gold medal to be awarded for best outgoing student in M.Tech. (Environmental Management) from IST, JNTUH.	19031D3108	Mr. Gande Saichandhu S/o. Mr. Gande Srinivas	9.37	03 - JNTUH IST, Hyderabad
3.	Late Dr.C. Anandeswara Sastry Endowment gold medal to be awarded for the best outgoing student scoring highest marks in Chemical Engineering subject of M.Sc. (Organic Chemistry) at IST, JNTUH.	19031G0807	Ms. Annapuram Anjali D/o. Mr. Annapuram Sanjeevulu	9.38	03 - JNTUH IST, Hyderabad
4.	MC Consulting Engineers gold medal to be awarded for the best outgoing student of M.Tech (Structural Engineering) from JNTUH CEH.	19011D2009	Ms. Japala Anusha D/o. Mr. J Narender	9.16	01- JNTUHCE Hyderabad
5.	Dr.I.V.Muralikrishna endowment gold medal for M.Tech (Spatial Information Technology) who secures 1 st rank topping the list fulfilling the conditions a) should pass all the course work subjects in first attempt. and b) Should complete the course work and dissertation within the stipulated time of the course.	19031D3203	Mr. Lella Durga Bhavani S/o. Mr. L Polisetty	9.03	03 - JNTUH IST, Hyderabad
6.	RIPE-2012 Endowment gold medal to best outgoing M.Pharmacystudent from the center for Pharmaceutical Sciences,IST (Autonomous) JNTUH Kukatpally Hyderabad.	19031S0409	Ms. Navya Vutukuri D/o. Mr. Vutukuri Narsi Reddy	9.82	03 - JNTUH IST, Hyderabad

21.0 CONCLUSION

Rabindranath Tagore said that '*Don't limit a student to your own learning, for she/he was born in another time.*' With the advent of technological tools namely audio-visual aids, smart boards and online content, the process of teaching and learning has become highly interactive, approachable and learner-friendly. These tools, in turn, facilitate equitable education, which aims to provide equal opportunities for all irrespective of caste, creed, region or religion. In this digital era, loads of information is available on each and every topic through various sources. Students have more means to learn than never before. But it is essential to filter the data that is not required. So far, we have been focusing on 'what to think' in our education system, but, now the new education policy transforms this idea into 'how to think'. To accomplish this, students should be trained in developing curiosity, creativity, communication skills, collaborative learning, and critical thinking. This preparation enables learners understand the concepts judiciously and gain hands-on-experience in a real-world work environment.

As Dr. APJ Abdul Kalam rightly said, *changes in the education policy is a major way to provide the nation with better students, professionals and more importantly better human beings.* Overall development of the student needs to be a part of the course curriculum. It is the need of the hour to develop a holistic approach in the present education system wherein students are not forced to be after getting marks or grades. Parents and teachers should encourage them to be more enthusiastic on diverse topics and persuade them to ask questions in the classroom and allow them to take up subjects they are interested in. Let us not show our students as mere showpieces of their hard work, knowledge and talent in the form of their marks and grades. Learning has to take place in stress-free conditions. Moreover, students need not be struck to a single field or profession throughout their life. Current education system should help them to reskill and upskill themselves continually as and when it is required. I am happy to inform you that JNTUH has already taken an initiation to integrate these

aspects in the curriculum of all courses both at UG and PG levels in R-22 Academic Regulations.

Henry Ford says ‘*Anyone who stops learning is old, whether at twenty or eighty. Anyone who keeps on learning stays young. The greatest thing in life is to keep your mind young.*’ It means that we should always strive to keep on learning, unlearning and relearning in order to face global challenges and come out of it successfully. Successful persons are those who accept, adapt and become accustomed to constant changes. Before conclusion, I reiterate the point that you should involve yourselves in the process of learning; explore and examine it; experience the strengths and weaknesses; present it for deliberations and finally excel in the field of your choice.

I take this opportunity to thank Honorable Governor of Telangana State and Chancellor of Jawaharlal Nehru Technological University Hyderabad, **Dr. (Smt.) TAMILISAI SOUNDARARAJAN** for all her guidance and support in making this event a grand success. It is my privilege to thank the distinguished Chief Guest of today's function and recipient of Honoris Causa **Dr. K. Kasturirangan** for accepting our invitation to be the Chief Guest of the XI Convocation of JNTUH and delivering his valuable address for the benefit of our prospective engineers, technocrats and scientists in addition to the members of the faculty and staff. I once again congratulate all the Gold Medalists, Doctorates and Graduates and wish them success in all spheres of their life.

Thank you all for making this Convocation a grand success.

Jai Hind.

Prof. Katta Narasimha Reddy
Vice-Chancellor, JNTUH
